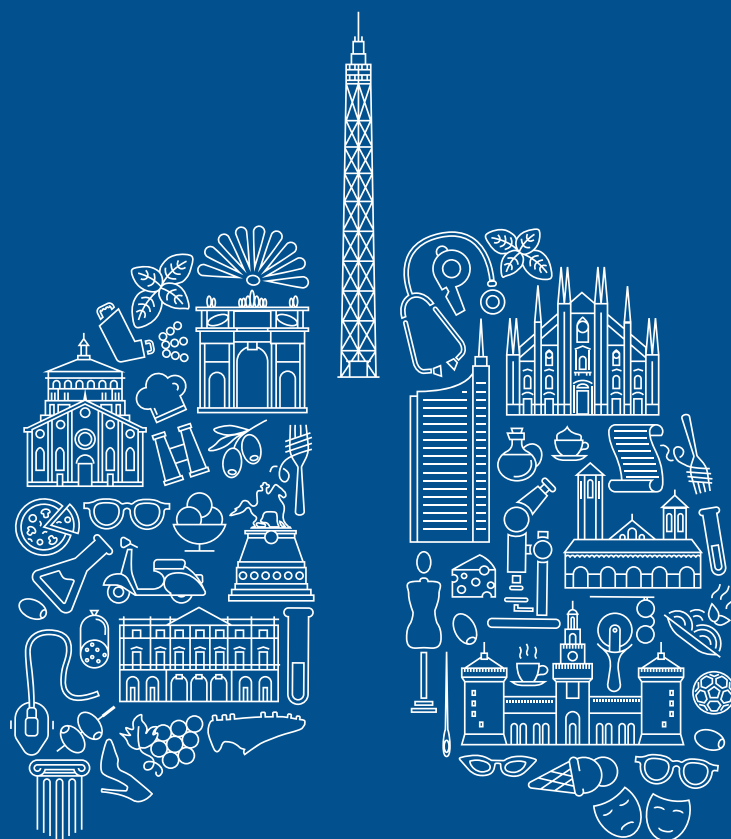




INTERNATIONAL CONGRESS 2023

MILAN Italy, 9-13 September

PROGRAMME

No Room	Session	09:30 - 11:00
Public: Opening press conference for Breathe Clean Air Milan		

Silver Session 08:00 - 19:30

OSCE examination : Thoracic ultrasound training programme Part 3 - OSCE examination - by invitation only
OSCE**Aims :** By invitation ONLY**Chairs :** Christian B. Laursen (Odense, Denmark), Najib M. Rahman (ABINGDON, United Kingdom), Jouke T. Annema (Amsterdam, Netherlands), Rahul Bhatnagar (Bristol, United Kingdom), Pia Iben Pietersen (Odense C, Denmark), Laurence M.M.J. Crombag (Amsterdam, Netherlands), Lars Konge (Virum, Denmark), Nick Maskell (Bristol (Avon), United Kingdom), Illaa Smesseim (Hoofddorp, Netherlands)**TUS Part 3 OSCE examination : Round 1****08:00** Jouke T. Annema (Amsterdam, Netherlands), Najib M. Rahman (ABINGDON, United Kingdom), Pia Iben Pietersen (Odense C, Denmark), Dinesh Addala (Oxford, United Kingdom), Radhika Banka (Mumbai (Maharashtra), India), Lars Konge (Virum, Denmark)**TUS Part 3 OSCE examination : Round 2****09:10** Jouke T. Annema (Amsterdam, Netherlands), Najib M. Rahman (ABINGDON, United Kingdom), Lars Konge (Virum, Denmark), Pia Iben Pietersen (Odense C, Denmark), Radhika Banka (Mumbai (Maharashtra), India), Dinesh Addala (Oxford, United Kingdom)**TUS Part 3 OSCE examination : Round 3****10:20** Jouke T. Annema (Amsterdam, Netherlands), Najib M. Rahman (ABINGDON, United Kingdom), Nick Maskell (Bristol (Avon), United Kingdom), Dinesh Addala (Oxford, United Kingdom), Steven Walker (Bristol (Avon), United Kingdom), Eihab Bedawi (Sheffield, United Kingdom)**TUS Part 3 OSCE examination : Round 4****11:30** Najib M. Rahman (ABINGDON, United Kingdom), Nick Maskell (Bristol (Avon), United Kingdom), Dinesh Addala (Oxford, United Kingdom), Jouke T. Annema (Amsterdam, Netherlands), Steven Walker (Bristol (Avon), United Kingdom), Eihab Bedawi (Sheffield, United Kingdom)**TUS Part 3 OSCE examination : Round 5****13:40** Rahul Bhatnagar (Bristol, United Kingdom), Laurence M.M.J. Crombag (Amsterdam, Netherlands), Casper Falster (Odense, Denmark), Nick Maskell (Bristol (Avon), United Kingdom), Lars Konge (Virum, Denmark), Anders Bo Nielsen (Odense C, Denmark)**TUS Part 3 OSCE examination : Round 6****14:50** Rahul Bhatnagar (Bristol, United Kingdom), Laurence M.M.J. Crombag (Amsterdam, Netherlands), Jesper Rømhild Davidsen (Odense C, Denmark), Radhika Banka (Mumbai (Maharashtra), India), Casper Falster (Odense, Denmark), Lars Konge (Virum, Denmark)**TUS Part 3 OSCE examination : Round 7****16:00** Rahul Bhatnagar (Bristol, United Kingdom), Laurence M.M.J. Crombag (Amsterdam, Netherlands), Radhika Banka (Mumbai (Maharashtra), India), Jesper Rømhild Davidsen (Odense C, Denmark), Casper Falster (Odense, Denmark), Eihab Bedawi (Sheffield, United Kingdom)**TUS Part 3 OSCE examination : Round 8****17:10** Laurence M.M.J. Crombag (Amsterdam, Netherlands), Pia Iben Pietersen (Odense C, Denmark), Søren Helbo Skaarup (Aarhus C, Denmark), Lars Konge (Virum, Denmark), Radhika Banka (Mumbai (Maharashtra), India), Rahul Bhatnagar (Bristol, United Kingdom)**OSCE Round 9****18:20** Laurence M.M.J. Crombag (Amsterdam, Netherlands), Pia Iben Pietersen (Odense C, Denmark), Radhika Banka (Mumbai (Maharashtra), India), Søren Helbo Skaarup (Aarhus C, Denmark), Lars Konge (Virum, Denmark), Rahul Bhatnagar (Bristol, United Kingdom)

Purple Session 08:00 - 18:00

NEXT: Networking Excellence Training Programme (NEXT) - by invitation only

Aims : By invitation only - The ERS NEXT programme provides a comprehensive training programme for ERS early career abstract presenters**Chairs :** Sara Cuevas Ocaña (Nottingham, United Kingdom), Thomas Gille (Bobigny, France)**Welcome and overview of the day****09:00** Sara Cuevas Ocaña (Nottingham, United Kingdom), Thomas Gille (Bobigny, France), Carlos Robalo Cordeiro (Coimbra, Portugal)**09:15** Ice-breaker - ECMC

09:30	Presentation skills - Ubik media
10:00	Presentations skills - Breakout Maria Joana Pereira Catarata (Porto, Portugal), Susanne Vijverberg (Amsterdam, Netherlands), Holly R. Keir (Dundee (Angus), United Kingdom), Mona Lichtblau (Zürich, Switzerland), Dorina Rama Esendagli (Ankara, Turkey), Matteo Bradicich (Zollikoberg, Switzerland), Orianne Dumas (Villejuif, France), Joana Cruz (Leiria, Portugal)
11:20	Coffee Break
11:45	Moderating sessions - Ubik Media
13:00	Mentoring lunch
14:30	Keynote: Manuscript writing and publishing James D. Chalmers (Dundee (Angus), United Kingdom)
14:50	Manuscript writing/publishing - Breakout Thomas Gille (Bobigny, France), Karen Moor (Rotterdam, Netherlands), Orianne Dumas (Villejuif, France), Carolina Gotera (Madrid, Spain), Sara Cuevas Ocaña (Nottingham, United Kingdom)
15:30	Panel discussion: Time management and work/life balance Sejal Saglani (London, United Kingdom), Sara Cuevas Ocaña (Nottingham, United Kingdom), Lieuwe D.J. Bos (Amsterdam, Netherlands), Thomas Gille (Bobigny, France), Joana Cruz (Leiria, Portugal)
16:30	Coffee break
16:45	Leadership in respiratory medicine Mina Gaga (Athens, Greece)
17:15	Feedback and key take-home messages Sara Cuevas Ocaña (Nottingham, United Kingdom), Thomas Gille (Bobigny, France)

Studio (White) Session 08:30 - 08:45

News from the studio: Welcome from chairs

Chairs : Nicolas Roche (Paris, France), Richard Costello (Dublin 9, Ireland)

08:30 Discussion and Q&A

Blue 1+2 Session 09:00 - 11:10

Postgraduate course: PG1 Thoracic Ultrasound: Session I

Expanding your ultrasound skills beyond the pleura and lungs

Disease(s) : Thoracic oncology Interstitial lung diseases

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Respiratory critical care physician, Radiologist, Thoracic surgeon, Physician in Pulmonary Training

Chairs : Illaa Smesseim (Hoofddorp, Netherlands), Rahul Bhatnagar (Bristol, United Kingdom)

09:00	Welcome and introduction
09:10	Focused cardiac ultrasound (FoCUS) Casper Falster (Odense, Denmark)
09:40	Limited compression ultrasonography (LCU) of the deep veins for DVT assessment Casper Falster (Odense, Denmark)
10:10	Coffee break
10:20	US assessment of the diaphragm Søren Helbo Skaarup (Aarhus C, Denmark)
10:50	Interactive case discussion session I

Amber 3+4 Session 09:00 - 10:00

Case-based skills workshop: Academy of paediatric respiratory medicine - Round 1 workshops

Chairs : Ernst Eber (Graz, Austria), Fabio Midulla (Roma (RM), Italy)

09:00 Introduction to the workshops

09:15 Endoscopy
Ernst Eber (Graz, Austria), Fabio Midulla (Roma (RM), Italy)

09:15 Lung function tests
Nicolas Regamey (Lucerne, Switzerland), Angela Zacharasiewicz (Wien, Austria)

09:15 Imaging and ultrasound
Meinrad Beer (Ulm, Germany), Carolina Casini (Roma (RM), Italy)

Studio (White) Session 09:15 - 10:45

Language session: Chinese Programme 2023

ERS/CTS joint session

Aims : to present an overview of hot respiratory disease topics in Europe and China

Disease(s) : Airway diseases Respiratory infections

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Respiratory therapist

Chairs : Jieming Qu (Shanghai, China), Anita Simonds (London, United Kingdom)

09:15 Vaccination and its protective role in COVID-19
Jieming Qu (Shanghai, China)

09:30 Lung cancer screening
Torsten Gerriet Blum (Berlin, Germany)

09:45 COPD Management in China: the current status, advance and challenge
Fuqiang Wen (Chengdu, China)

10:00 Tele-health in COPD management
Rebecca Disler (Melbourne, Australia)

10:15 Discussion and Q&A

Coral 2 Session 09:30 - 13:00

Postgraduate course: PG3 Clinical challenges in sleep-disordered breathing diagnosis and treatment

Aims : to demonstrate how to select the appropriate tools in order to evaluate and manage residual sleepiness in sleep-disordered breathing (SDB) patients; to explain the importance of diagnosing SDB in patients with other respiratory diseases and cancer; to describe the current evidence of the role of telemedicine for diagnosis, treatment and follow-up of SDB.

Disease(s) : Sleep and breathing disorders

Method(s) : Epidemiology Physiology Public health

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Physician in Pulmonary Training, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist

Chairs : Dries Testelmans (Leuven, Belgium), Esther Irene Schwarz (Zürich, Switzerland)

09:30 Residual sleepiness in continuous positive airway pressure-treated patients: a clinical approach
Esther Irene Schwarz (Zürich, Switzerland)

09:50 Discussion and Q&A

10:00 Sleep-disordered breathing in respiratory diseases: an update on clinical importance
Sophia E. Schiza (Heraklion, Greece)

10:20 Discussion and Q&A

10:30	Sleep-disordered breathing and cancer: impact on treatment decision? Manuel Sanchez De La Torre (Lleida, Spain)
10:50	Discussion and Q&A
11:00	Telemedicine for SDB diagnosis, treatment and follow-up Johan Verbraecken (Edegem (Antwerp), Belgium)
11:20	Discussion and Q&A
11:30	Break
12:00	Group assignment Sophia E. Schiza (Heraklion, Greece), Manuel Sanchez De La Torre (Lleida, Spain), Johan Verbraecken (Edegem (Antwerp), Belgium), Esther Irene Schwarz (Zürich, Switzerland)

Brown 3 Session 09:30 - 13:00

Postgraduate course: PG5 The use of lung function in early detection of disease

Advances in lung function testing and the role for Artificial Intelligence

Aims : to give an overview of the lung function tests available for early detection of lung disease and how they are applied; to explain in which direction current research is leading us and highlight that the future might be quite different in diagnostics; to explain how these technologies can be applied in clinical practice and to provide patient examples and other examples from clinical practice; to explain the possibilities of artificial intelligence to dig deeper in data and identify patterns earlier; to explain the influence of policymakers in early detection of disease.

Disease(s) : Airway diseases Paediatric respiratory diseases

Method(s) : Epidemiology General respiratory patient care Pulmonary function testing

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist, Journalist

Chairs : Frits M.E. Franssen (Horn, Netherlands), Jellien Makonga-Braaksma (Woudenberg, Netherlands)

09:30	The e-nose: screening the future? Karen Moor (Rotterdam, Netherlands)
09:50	The E-nose: group assignment Karen Moor (Rotterdam, Netherlands)
10:15	Forced oscillation in telemonitoring: early detection of acute exacerbation of chronic obstructive pulmonary disease Sabine Zimmermann (München, Germany)
10:35	Forced oscillation in telemonitoring: group assignment Sabine Zimmermann (München, Germany)
11:00	Break
11:30	Spirometry in atrial fibrillation: what's the catch? Jennifer Quint (Wimbledon, United Kingdom)
11:50	Spirometry in Atrial Fibrillation: group assignment Jennifer Quint (Wimbledon, United Kingdom)
12:15	Artificial intelligence: early recognition of disease patterns Wim Janssens (Leuven, Belgium)
12:35	Artificial Intelligence: group assignment Wim Janssens (Leuven, Belgium)

Red 1+2 Session 09:30 - 13:00

Postgraduate course: PG6 Mediastinal staging: The what and the how

Aims : mediastinal lymph node staging is part of the daily routine endoscopic care provided by pulmonologists and is one of the cornerstones of lung cancer diagnostics, helping to make decisions about subsequent therapies and prognosis. Currently, diagnostic and therapeutic algorithms for early and locoregional nonsmall cell lung cancer are largely being redefined, including the broader introduction of sublobar resections and systemic neoadjuvant therapies. At the same time, there have been substantial advances in the field of mediastinal staging. This postgraduate course will not only provide thorough and comprehensive updates on mediastinal staging from different disciplines but will also bring together these perspectives, resulting in meaningful diagnostic and therapeutic algorithms, and enable fruitful clinical discussion between experts and participants.

Disease(s) : Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology Imaging Surgery

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Pathologist, Physician in Pulmonary Training, Radiologist, Respiratory physiotherapist, Thoracic oncologist, Thoracic surgeon, Respiratory therapist

Chairs : Georgia Hardavella (Athens, Greece), Ales Rozman (Golnik, Slovenia)

09:30	Pathophysiology and molecular biology in the formation of locoregional lymph node metastases
09:50	Case discussion: pathophysiology and molecular biology in the formation of locoregional lymph node metastases
10:10	Novel imaging and sampling techniques Georgia Hardavella (Athens, Greece)
10:30	Case discussion: novel imaging and sampling techniques Georgia Hardavella (Athens, Greece)
10:50	Break
11:20	Optimal mediastinal staging algorithms according to clinical stages and subsequent to neoadjuvant systemic therapies Torsten Gerriet Blum (Berlin, Germany)
11:40	Case discussion: optimal mediastinal staging algorithms according to clinical stages and subsequent to neoadjuvant systemic therapies Torsten Gerriet Blum (Berlin, Germany)
12:00	Single and multistation N2 disease: the thoracic surgeon's view
12:15	Single and multistation N2 disease: the radiotherapist/clinical oncologist's view Sara Ramella (Roma (RM), Italy)
12:30	Single and multistation N2 disease: the thoracic oncologist's view Thierry Berghmans (Bruxelles, Belgium)
12:45	Discussion and Q&A

Brown 1+2 Session 09:30 - 13:00

Postgraduate course: PG2 Lung ageing in health and disease: From molecular mechanisms to (patho)physiological alterations

Aims : to provide an overview of the physiological alterations and molecular mechanisms underlying normal lung ageing (hallmarks of ageing), and their involvement in age-related lung diseases including chronic obstructive pulmonary disease (COPD) and idiopathic pulmonary fibrosis; to explain important hallmarks, including cellular senescence, telomere attrition, epigenetic alterations and genomic instability, in more detail and thereby identify and describe biomarkers of biological ageing; to contrast processes driving accelerated (lung) ageing with drivers of successful ageing and thereby provide insight into interventions to promote health span and delay disease onset or progression; to explain ageing of the immune system in order to identify mechanisms underlying the increased mortality from acute respiratory infections in the elderly and their contribution to chronic lung diseases; to relate the occurrence of comorbidities to COPD using various mechanisms of ageing.

Disease(s) : Airway diseases Interstitial lung diseases Respiratory infections

Method(s) : Cell and molecular biology

Tag(s) : Basic science

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Respiratory critical care physician, Paediatrician, Pathologist, Physician in Pulmonary Training, Physiologist, Scientist (basic, translational), Thoracic oncologist

Chairs : Mareike Lehmann (Marburg, Germany), Corry-Anke Brandsma (Groningen, Netherlands)

09:30	Overview of lung aging Silke Meiners (Sülfeld, Germany)
09:45	Discussion and Q&A
09:55	The pros and cons of cellular senescence Serge Adnot (Creteil, France)
10:10	Discussion and Q&A
10:20	The epigenetic clock: a reprogrammable biomarker of ageing Ken Raj (, United Kingdom)
10:35	Discussion and Q&A
10:45	Telomeres and DNA damage Jonathan Baker (London, United Kingdom)
11:00	Discussion and Q&A
11:10	Break
11:40	Aging of the immune system Speaker to be confirmed
11:55	Discussion and Q&A
12:05	Common drivers of ageing in COPD and comorbidities Niki L. Reynaert (Maastricht, Netherlands)
12:20	Discussion and Q&A
12:30	Group assignment: Pro/Con debate on Lung aging in health and disease Silke Meiners (Sülfeld, Germany), Serge Adnot (Creteil, France), Niki L. Reynaert (Maastricht, Netherlands), Ken Raj (, United Kingdom), Jonathan Baker (London, United Kingdom), Speaker to be confirmed

Yellow 1+2+3 Session 09:30 - 13:00

Postgraduate course: PG7 Pulmonary embolism. A practical approach to update risk stratification and treatment decisions based on the guidelines

Aims : management of pulmonary embolism (PE) may cover many different aspects and involves many specialties and subspecialties of respiratory medicine. For this reason, we propose four different scenarios based on clinical cases. This approach will allow attendees to review and address the most relevant aspects of different clinical scenarios, allowing them to identify the strengths and pitfalls of the clinical guidelines. The aims of the session are as follows: Low-risk PE. What is the best score? Outpatient management vs. short hospitalisation? Different thrombus recanalisation strategies in patients with intermediate-high-risk or high-risk PE? Long-term anticoagulation in patients with cancer-associated thrombosis. When is enough? When can we stop? Do all patients with cancer thrombosis have the same risk of bleeding and recurrence? Particularities of lung cancer.

Disease(s) : Pulmonary vascular diseases Respiratory critical care Thoracic oncology

Method(s) : General respiratory patient care Imaging Respiratory intensive care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Respiratory critical care physician, Respiratory therapist

Chairs : Luis Jara-Palomares (Sevilla, Spain), Marija M. Zdravetska (Skopje, North Macedonia)

09:30	Low-risk PE. What is the best score? Outpatient management vs. short hospitalisation? Fida Charif (Beirut, Lebanon)
09:50	Discussion and Q&A
10:00	Different thrombus recanalisation strategies in patients with intermediate-high-risk or high-risk PE? David Jiménez Castro (Madrid, Spain)
10:20	Discussion and Q&A
10:30	Long-term anticoagulation in patients with cancer-associated thrombosis. When is enough? When can we stop? Speaker to be confirmed

10:50 Discussion and Q&A

11:00 Do all patients with cancer thrombosis have the same risk of bleeding and recurrence? Particularities of lung cancer
Laurent Bertoletti (Saint Etienne Cedex, France)

11:20 Discussion and Q&A

11:30 Break

12:00 Group assignment
Fida Charif (Beirut, Lebanon), David Jiménez Castro (Madrid, Spain), Laurent Bertoletti (Saint Etienne Cedex, France), Speaker to be confirmed

Coral 3 Session 09:30 - 13:00

Postgraduate course: PG4 Masterclass in asthma

Aims : to describe methods of diagnosing and managing patients with asthma; to present methods of assessing and treating patients with different asthma phenotypes and monitoring the effects of treatment of asthma based on recent updates.

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Physiology Public health

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Patient, Physician in Pulmonary Training, Physiologist, Scientist (basic, translational), Respiratory therapist

Chairs : Omar S. Usmani (London, United Kingdom), Augusta Beech (Manchester, United Kingdom), Matteo Bonini (Rome, Italy)

09:30 Diagnosis of asthma
Renaud Louis (Liège, Belgium)

09:50 Discussion and Q&A

10:00 Assessing and monitoring asthma and its phenotypes
Stylianios Loukides (Athens, Greece)

10:20 Discussion and Q&A

10:30 Pharmacological treatment and current controversies
Mona Al-Ahmad (Kuwait, Kuwait)

10:50 Discussion and Q&A

11:00 Comorbidities in asthma
Florence Schleich (Liège, Belgium)

11:20 Discussion and Q&A

11:30 Break

12:00 Interactive cases by early career members
Augusta Beech (Manchester, United Kingdom), Renaud Louis (Liège, Belgium), Stylianios Loukides (Athens, Greece), Florence Schleich (Liège, Belgium), Mona Al-Ahmad (Kuwait, Kuwait)

Coral 4+5 Session 09:30 - 11:00

Primary care session: Working against tobacco and air pollution, the other big pandemic Primary care in the best position to treat tobacco addiction and other negative environmental changes for respiratory health

Aims : to present some strategies for fighting tobacco addiction and negative environmental changes affecting respiratory health from different perspectives related to primary health care.

Disease(s) : Airway diseases

Method(s) : Epidemiology General respiratory patient care Public health

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Patient, Physician in Pulmonary Training, Respiratory physiotherapist

Chairs : Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Miguel Román Rodriguez (Palma De Mallorca, Spain)

09:30	The role of primary health care in scarce-resource environments Speaker to be confirmed
09:45	Not just a clinical problem. The role of public health departments and politicians Joan B Soriano (Madrid, Spain)
10:00	Not only tobacco but biomass burning, pollution or carbon print Sundeeep Santosh Salvi (Pune (Maharashtra), India)
10:15	Is vaping an effective treatment for cigarette dependence and does it promote nicotine addiction in non-smokers? Peter Hajek (London, United Kingdom)
10:30	Discussion and Q&A

Amber 3+4 Session 10:00 - 10:45

Case-based skills workshop: Academy of paediatric respiratory medicine - Round 2 workshops

Chairs : Ernst Eber (Graz, Austria), Fabio Midulla (Roma (RM), Italy)

10:00	Endoscopy Ernst Eber (Graz, Austria), Fabio Midulla (Roma (RM), Italy)
10:00	Lung function tests Nicolas Regamey (Lucerne, Switzerland), Angela Zacharasiewicz (Wien, Austria)
10:00	Imaging and ultrasound Meinrad Beer (Ulm, Germany), Carolina Casini (Roma (RM), Italy)

Coral 1 Session 10:45 - 16:30

Patient: ELF Patient Organisation Networking Day

Chairs : Kjeld Hansen (Oslo, Norway), Mikaela Odemyr (Järved, Sweden), Liam Galvin (Thurles, Ireland)

11:00	Welcome Kjeld Hansen (Oslo, Norway), Mikaela Odemyr (Järved, Sweden)
11:10	ERS President Address Carlos Robalo Cordeiro (Coimbra, Portugal), Monika Gappa (Düsseldorf, Germany)
11:20	Introduction to session and speakers
11:25	Keynote speaker 1 - PPI in research Michal Shteinberg (Haifa, Israel)
11:30	Patient organisation presentations x 2 x 10 mins
11:50	Panel discussion and Q&A Kjeld Hansen (Oslo, Norway), Michal Shteinberg (Haifa, Israel)
12:10	Breakout small discussion groups Kjeld Hansen (Oslo, Norway)
13:00	Plenary Kjeld Hansen (Oslo, Norway)
13:15	Lunch
14:00	ELF awards: Best patient-centred abstract winners Kjeld Hansen (Oslo, Norway)
14:15	Introduction to session and speakers Mikaela Odemyr (Järved, Sweden), Liam Galvin (Thurles, Ireland)
14:20	Keynote: Mental Health & Respiratory Disease: Chronic Obstructive Pulmonary Disease as prime example Andreas Von Leupoldt (Leuven, Belgium)

14:40 Patient organisation presentations x 2 x 10 mins**15:00 Panel discussion and Question and Answer**

Mikaela Odemyr (Järved, Sweden), Liam Galvin (Thurles, Ireland), Andreas Von Leupoldt (Leuven, Belgium), Francesco Pagnini (, Italy)

15:20 Breakout small group discussion

Mikaela Odemyr (Järved, Sweden)

16:10 Plenary

Mikaela Odemyr (Järved, Sweden), Liam Galvin (Thurles, Ireland)

16:25 Take home messages

Kjeld Hansen (Oslo, Norway)

Amber 3+4 Session 11:00 - 11:45**Case-based skills workshop: Academy of paediatric respiratory medicine - Round 3 workshops****Chairs :** Ernst Eber (Graz, Austria), Fabio Midulla (Roma (RM), Italy)**11:00 Endoscopy**

Ernst Eber (Graz, Austria), Fabio Midulla (Roma (RM), Italy)

11:00 Lung function tests

Nicolas Regamey (Lucerne, Switzerland), Angela Zacharasiewicz (Wien, Austria)

11:00 Imaging and ultrasound

Meinrad Beer (Ulm, Germany), Carolina Casini (Roma (RM), Italy)

Blue 1+2 Session 11:10 - 13:40**Postgraduate course: PG1 Thoracic Ultrasound: Session II****Thoracic ultrasound in specific clinical settings****Disease(s) :** Interstitial lung diseases Thoracic oncology**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Respiratory critical care physician, Radiologist, Thoracic surgeon, Physician in Pulmonary Training**Chairs :** Søren Helbo Skaarup (Aarhus C, Denmark), Radhika Banka (Mumbai (Maharashtra), India)**11:10 Use of thoracic ultrasound in an intensive care unit**

Silvia Mongodi (Pavia, Italy)

11:40 Use of thoracic ultrasound in an interstitial lung disease clinic

Jesper Rømhild Davidsen (Odense C, Denmark)

12:10 Lunch break**12:40 Use of evidence-based training principles in thoracic ultrasound in a department**

Pia Iben Pietersen (Odense C, Denmark)

13:10 Interactive case discussion session II**13:30 Coffee break****Studio (White) Session 11:15 - 12:45****Language session: French programme 2023****A joint ERS/SPLF session****Aims :** This session will be delivered in French and translated in English.**Disease(s) :** Respiratory infections Thoracic oncology**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, General practitioner, Medical Student, Respiratory critical care physician, Physiologist, Scientist (basic, translational), Thoracic oncologist**Chairs :** Jesus Gonzalez Bermejo (Montlignon, France), Thomas Gille (Bobigny, France)

11:15	Comité d'Orientation Stratégique et d'Engagement (COSE) de la SPLF / SPLF Strategic Orientation and Commitment Committee (COSE) Chantal Raherison-Semjen (Pointe-à-Pitre (Guadeloupe), France)
11:25	Diagnostic de l'hypertension pulmonaire: quoi de neuf dans les recommandations ERS/ESC 2022 / Diagnosis of pulmonary hypertension: what's new in the European Respiratory Society/European Society of Cardiology recommendations 2022 Marc Humbert (Le Kremlin-Bicêtre, France)
11:35	Médecine collaborative: diagnostic et traitement de l'EP durjoignant la grossesse / Collaborative medicine: diagnosis and treatment of pulmonary embolism during pregnancy Cécile Tromeur (Brest, France)
11:45	Lieux de soins: PEC ambulatoire de l'embolie pulmonaire / Care: management of pulmonary embolism Olivier Sanchez (Paris, France)
11:55	Discussion and Q&A
12:10	One Health – Exposome: nouveaux paradigmes en pneumologie? / Exposome: new paradigms in pulmonology? Claire Andrejak (Amiens, France)
12:20	Pollution et Cancer bronchique / Pollution and lung cancer Lucile Sese (Paris, France)
12:30	Discussion and Q&A

Coral 4+5 Session 11:15 - 12:45

Primary care session: Conditions we are just dealing with the tip of the iceberg in primary care Frequently mismanaged conditions in primary health care

Aims : to discuss possible actions to improve management of frequently forbidden conditions in primary health care; to provide general practitioners and primary care professionals with easy tools and strategies to diagnose and manage sleep apnoea, chronic cough and interstitial lung diseases; to reduce the burden of antibiotic resistance.

Disease(s) : Interstitial lung diseases Respiratory infections Sleep and breathing disorders

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Patient, Physician in Pulmonary Training, Journalist

Chairs : Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Miguel Román Rodriguez (Palma De Mallorca, Spain)

11:15	Obstructive sleep apnoea. Easy to identify and diagnose in primary care settings Cláudia Sofia De Almeida Vicente Ferreira (Coimbra, Portugal)
11:30	Chronic cough. New algorithms to deal with this common condition Imran Satia (Hamilton, Canada)
11:45	The importance of primary care in curbing antibiotic resistance Oliver Van Hecke (Oxford, United Kingdom)
12:00	Interstitial lung disease. Never forget to think about it in primary care Maria Molina Molina (Barcelona, Spain)
12:15	Discussion and Q&A

Amber 3+4 Session 13:00 - 13:45

Case-based skills workshop: Academy of paediatric respiratory medicine - Round 4 workshops

Chairs : Ernst Eber (Graz, Austria), Fabio Midulla (Roma (RM), Italy), Marielle W.H. Pijnenburg (Rotterdam, Netherlands)

13:00	Bronchial asthma and wheezing disorders Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Louise Fleming (London, United Kingdom)
13:00	Non-CF bronchiectasis Ernst Eber (Graz, Austria), Fabio Midulla (Roma (RM), Italy)

13:00 Sleep disorders
Refika Hamutcu Ersu (Ottawa, Canada), Athanasios G. Kaditis (Athens, Greece)

Coral 4+5 Session 13:15 - 14:45

Language session: Italian programme 2023

Terapia e procedure in pneumologia: up to date / Therapy and procedures in pulmonology: up to date.

Aims : to provide updates on therapeutic novelties in the field of chronic obstructive pulmonary diseases and fibrotic lung diseases; to discuss environmental and occupational risk factors in the pathogenesis of fibrotic lung diseases and the usefulness of disposable devices in interventional pulmonology, with particular focus on the possible environmental impact that single-use devices can have. Scopo della sessione è fare il punto sulle novità terapeutiche nel campo delle patologie polmonari croniche ostruttive e delle patologie fibrosanti. Inoltre due letture saranno dedicate ai fattori di rischio ambientali e professionali nella patogenesi delle patologie fibrosanti del polmone e sull'utilità dei dispositivi monouso in pneumologia interventistica, con particolare riguardo al possibile impatto ambientale che tali dispositivi possono avere.

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Endoscopy and interventional pulmonology Epidemiology General respiratory patient care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, General practitioner, Physician in Pulmonary Training

Chairs : Mauro Carone (Bari, Italy), Carlo Vancheri (Catania (CT), Italy), Maria Rosaria Bonsignore (Palermo, Italy), Sergio Alfonso Harari (Milano (MI), Italy)

13:15 Fattori di rischio ambientali e professionali nella patogenesi delle patologie fibrosanti del polmone / Environmental and professional risk factors for development of fibrotic lung diseases
Elena Bargagli (Siena, Italy)

13:30 Nuove terapie delle patologie polmonari fibrosanti / New therapies for fibrotic lung diseases
Luca Richeldi (Roma, Italy)

13:45 Nuove terapie delle patologie polmonari croniche ostruttive / New therapies for chronic obstructive lung diseases
Claudio Micheletto (S.Giovanni Lupatoto, Italy)

14:00 Utilità e impatto ambientale dei dispositivi monouso in pneumologia interventistica / Utility and environmental impact of single-use devices in interventional pulmonology
Lina Zuccatosta (Torrette (AN), Italy)

14:15 Discussion and Q&A

Blue 1+2 Session 13:40 - 15:10

Postgraduate course: PG1 Thoracic Ultrasound: Session III

Advanced thoracic ultrasound

Disease(s) : Thoracic oncology Interstitial lung diseases

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Respiratory critical care physician, Physician in Pulmonary Training, Radiologist, Thoracic surgeon

Chairs : Jouke T. Annema (Amsterdam, Netherlands), Anand Sundaralingam (Oxford, United Kingdom)

13:40 Advanced TUS for assessment of the patient with pleural disease
Eihab Bedawi (Sheffield, United Kingdom)

14:10 Advanced TUS for the assessment of the patient with a chest opacity
Christian B. Laursen (Odense, Denmark)

14:40 Interactive case discussion session III

15:00 Coffee break

Amber 3+4 Session 13:45 - 14:30

Case-based skills workshop: Academy of paediatric respiratory medicine - Round 5 workshops

Chairs : Ernst Eber (Graz, Austria), Fabio Midulla (Roma (RM), Italy), Marielle W.H. Pijnenburg (Rotterdam, Netherlands)

13:45 Bronchial asthma and wheezing disorders
Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Louise Fleming (London, United Kingdom)

13:45 Non-CF bronchiectasis
Ernst Eber (Graz, Austria), Fabio Midulla (Roma (RM), Italy)

13:45 Sleep disorders
Refika Hamutcu Ersu (Ottawa, Canada), Athanasios G. Kaditis (Athens, Greece)

Red 1+2 Session 14:00 - 17:30

Postgraduate course: PG9 How to improve the success of noninvasive respiratory support therapies

Aims : to discuss the best practices in noninvasive respiratory support therapies for patients with acute and chronic respiratory failure; to review new developments in noninvasive respiratory support therapies (from high-flow nasal oxygen therapy to noninvasive ventilation)

Disease(s) : Airway diseases Respiratory critical care Sleep and breathing disorders

Method(s) : General respiratory patient care Pulmonary rehabilitation Respiratory intensive care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Nurse, Respiratory critical care physician, Respiratory physiotherapist, Respiratory therapist

Chairs : João Carlos Winck (Vila Nova de Gaia, Portugal), Claudia Crimi (Catania (CT), Italy)

14:00 Noninvasive respiratory support therapies in the acute setting: how to improve the success rate in hypoxemic respiratory failure
Alexandre Demoule (Paris, France)

14:20 Discussion and Q&A

14:30 Noninvasive respiratory support therapies in the acute setting: how to improve the success rate in weaning
Martin Dres (Paris, France)

14:50 Discussion and Q&A

15:00 Noninvasive respiratory support therapies in the chronic setting: how to improve the success rate in neuromuscular disorders
Michelle Chatwin (London, United Kingdom)

15:20 Discussion and Q&A

15:30 Noninvasive respiratory support therapies in the chronic setting: how to optimise the patient-ventilator interaction
Annalisa Carlucci (San Donato Milanese (MI), Italy)

15:50 Discussion and Q&A

16:00 Break

16:30 Group assignment: How to improve the success of noninvasive respiratory support therapies
Martin Dres (Paris, France), Annalisa Carlucci (San Donato Milanese (MI), Italy), Alexandre Demoule (Paris, France), Michelle Chatwin (London, United Kingdom)

Yellow 1+2+3 Session 14:00 - 17:30

Postgraduate course: PG8 Advanced cardiopulmonary exercise testing CPET in health and cardio-respiratory disease

Aims : to explain the physiological constraints of exercise tolerance and its application in clinical practice; to explain the optimal methods for testing lung mechanics and evaluating exertional dyspnoea; to explain the different formats of exercise tests, their advantages and disadvantages and their different prognostic values in adults and children; to explain the usefulness of exercise testing for assessing the exercise response and exercise rehabilitation in clinical practice.

Disease(s) : Airway diseases Interstitial lung diseases Pulmonary vascular diseases

Method(s) : Physiology Pulmonary function testing Pulmonary rehabilitation

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist

Chairs : Pierantonio Laveneziana (Paris, France), William Stringer (Long Beach, United States)

14:00	The pulmonary gas exchange response to exercise in health and disease Paolo Palange (Rome, Italy)
14:20	Discussion and Q&A
14:30	Respiratory mechanics and exertional dyspnoea in health and disease Michele Schaeffer (Leuven, Belgium)
14:50	Discussion and Q&A
15:00	Group assignment: Advanced cardiopulmonary exercise testing Paolo Palange (Rome, Italy), Michele Schaeffer (Leuven, Belgium), Pierantonio Laveneziana (Paris, France)
15:30	Break
16:00	Modalities available for assessing the exercise response and exercise rehabilitation Sally J. Singh (Leicester (Leicestershire), United Kingdom)
16:20	Discussion and Q&A
16:30	Exercise testing in children with respiratory diseases Erik H. J. Hulzebos (Utrecht, Netherlands)
16:50	Discussion and Q&A
17:00	Group assignment: Advanced cardiopulmonary exercise testing Sally J. Singh (Leicester (Leicestershire), United Kingdom), Erik H. J. Hulzebos (Utrecht, Netherlands), Pierantonio Laveneziana (Paris, France)

Brown 1+2 Session 14:00 - 17:30

Postgraduate course: PG11 Cryotherapy in the paediatric airway

Indication and application of cryo-probes in the paediatric airway

Aims : Cryotherapy using cryocatheters is an established procedure in adult pulmonology for performing a biopsy, restoring airway patency or removing foreign bodies. In the paediatric lung, this procedure is new because catheters measuring 1.1 mm allow the application of ultrathin bronchoscopes. However, the use of this technique requires its intensive study as well as a special setting (see technical standards for cryobiopsies by the European Respiratory Society). This course is aimed at all endoscopists who want to familiarise themselves with this topic and acquire theoretical knowledge as well as practical skills.

Disease(s) : Paediatric respiratory diseases

Method(s) : Endoscopy and interventional pulmonology

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Respiratory critical care physician, Paediatrician, Thoracic surgeon

Chairs : Alfin Vicencio (New York, United States), Dirk Schramm (Düsseldorf, Germany)

14:00	New advantages in paediatric interventional bronchoscopy: cryotherapy Alfin Vicencio (New York, United States)
14:20	Foreign body removal by means of cryocatheters Rhia Shah (New York City, United States)
14:40	Restoration of airway patency: indication and technique Erik B. Hysinger (Cincinnati, United States)
15:00	Navigation of the probe: differences due to different probe sizes Sarabon Tahura (Dhaka, Bangladesh)
15:20	Break
15:50	Group assignment: Cryotherapy in paediatric airway Alfin Vicencio (New York, United States), Sarabon Tahura (Dhaka, Bangladesh), Rhia Shah (New York City, United States), Erik B. Hysinger (Cincinnati, United States)

Coral 3 Session 14:00 - 17:30

Postgraduate course: PG10 Masterclass in chronic obstructive pulmonary disease

Aims : to describe methods for diagnosing, assessing and managing patients with chronic obstructive pulmonary disease (COPD); to present methods for assessing and treating patients with different COPD phenotypes and monitoring the effects of treatment of COPD based on recent updates.

Disease(s) : **Airway diseases**

Method(s) : Cell and molecular biology General respiratory patient care Physiology

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Patient, Physician in Pulmonary Training, Physiologist, Scientist (basic, translational), Respiratory therapist

Chairs : Apostolos Bossios (Stockholm, Sweden), Vanessa M. McDonald (Newcastle (NSW), Australia), Alexander Mathioudakis (Stockport, United Kingdom)

14:00	Diagnosis of COPD Daiana Stolz (Freiburg, Germany)
14:20	Discussion and Q&A
14:30	Assessing and monitoring COPD and its phenotypes MeiLan K. Han (Ann Arbor, United States)
14:50	Discussion and Q&A
15:00	Pharmacological treatment and current controversies Konstantinos Kostikas (Ioannina, Greece)
15:20	Discussion and Q&A
15:30	Comorbidities in COPD Elizabeth Sapey (Birmingham (West Midlands), United Kingdom)
15:50	Discussion and Q&A
16:00	Break
16:30	Interactive cases by early career members Alexander Mathioudakis (Stockport, United Kingdom)

Coral 2 Session 14:00 - 17:30

Postgraduate course: PG13 The joy and challenges of diagnosing interstitial lung diseases ILD diagnosis 2023

Aims : to improve understanding of the current status of the multidisciplinary diagnosis of interstitial lung diseases (ILDs) and its challenges and pitfalls; to provide insight into future diagnostic modalities; to conduct interactive case discussions

Disease(s) : **Interstitial lung diseases**

Method(s) : Endoscopy and interventional pulmonology Pulmonary function testing

Tag(s) : Clinical

Target audience : General practitioner, Nurse, Radiologist, Physician in Pulmonary Training, Adult pulmonologist/Clinician

Chairs : Michael Kreuter (Heidelberg, Germany), Marlies S. Wijsenbeek (Rotterdam, Netherlands)

14:00	The clinical approach to ILD Julia Wälscher (Essen, Germany)
14:20	How to read a high-resolution computed tomography scan? Nicola Sverzellati (Parma (PR), Italy)
14:50	The practice of cryobiopsy Lauren Troy (Camperdown (NSW), Australia)
15:10	New techniques in the diagnosis of ILDs Marlies S. Wijsenbeek (Rotterdam, Netherlands)
15:40	Pitfalls in the diagnosis of ILDs Michael Kreuter (Heidelberg, Germany)
16:00	Break

16:15	The challenges to diagnose: cystic lung disease Vincent Cottin (Lyon, France)
16:30	The challenges to diagnose: drug-induced lung disease Lauren Troy (Camperdown (NSW), Australia)
16:45	The challenges to diagnose: progressive pulmonary fibrosis Vincent Cottin (Lyon, France)
17:00	The grand finale: multidisciplinary case discussions Michael Kreuter (Heidelberg, Germany), Marlies S. Wijsenbeek (Rotterdam, Netherlands), Vincent Cottin (Lyon, France), Lauren Troy (Camperdown (NSW), Australia), Julia Wälscher (Essen, Germany), Nicola Sverzellati (Parma (PR), Italy)

Brown 3 Session 14:00 - 17:30

Postgraduate course: PG12 How to get a successful European project on respiratory infections The lesson of the European Clinical Research Alliance on Infectious Diseases (ECRAID)

Aims : to inform about the ECRAID project and how it achieved to be successfully approved and supported by the European Union; to present some of the most relevant workpackages focussed on respiratory infections (infections in primary care, community acquired and nosocomial infections) in order to provide useful examples for research and future projects.

Disease(s) : Paediatric respiratory diseases Respiratory critical care Respiratory infections

Method(s) : General respiratory patient care Public health Respiratory intensive care

Tag(s) : Translational

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Respiratory critical care physician, Physician in Pulmonary Training, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist

Chairs : Eva Polverino (Barcelona, Spain), Maurizio Sanguinetti (Rome, Italy)

14:00	Introduction
14:10	The Randomized, Embedded, Multifactorial Adaptive Platform trial for Community-Acquired Pneumonia (REMAP-CAP) Lennie P. G. Derde (Utrecht, Netherlands)
14:30	Discussion and Q&A
14:35	POS-VAP: implementation of clinical trials on VAP through an appropriate and flexible infrastructure Ana Catalina Hernandez Padilla (Limoges , France)
14:55	Discussion and Q&A
15:00	The management of respiratory infections in primary care: POS-ARI-PC Christopher Butler (Oxford (Oxfordshire), United Kingdom)
15:20	Discussion and Q&A
15:25	The lessons learned from COVID-19 pandemic: how to get prepared for the future Herman Goossens (Edegem (Antwerp), Belgium)
15:45	Discussion and Q&A
15:50	Break
16:20	Group assignment: How to get a successful European project on respiratory infections Lennie P. G. Derde (Utrecht, Netherlands), Christopher Butler (Oxford (Oxfordshire), United Kingdom), Herman Goossens (Edegem (Antwerp), Belgium), Ana Catalina Hernandez Padilla (Limoges , France)

Amber 3+4 Session 14:45 - 15:30

Case-based skills workshop: Academy of paediatric respiratory medicine - Round 6 workshops

Chairs : Ernst Eber (Graz, Austria), Fabio Midulla (Roma (RM), Italy), Marielle W.H. Pijnenburg (Rotterdam, Netherlands)

14:45	Bronchial asthma and wheezing disorders Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Louise Fleming (London, United Kingdom)
14:45	Non-CF bronchiectasis Ernst Eber (Graz, Austria), Fabio Midulla (Roma (RM), Italy)

14:45 Sleep disorders
Refika Hamutcu Ersu (Ottawa, Canada), Athanasios G. Kaditis (Athens, Greece)

Blue 1+2	Session	15:10 - 17:00
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Postgraduate course: PG1 Thoracic Ultrasound: Session IV

Advanced ultrasound guided procedures

Disease(s) : Interstitial lung diseases Thoracic oncology

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Respiratory critical care physician, Physician in Pulmonary Training, Radiologist, Thoracic oncologist, Thoracic surgeon

Chairs : Najib M. Rahman (ABINGDON, United Kingdom), Christian B. Laursen (Odense, Denmark)

15:10 Ultrasound guided biopsy of the pleura
Dinesh Addala (Oxford, United Kingdom)

15:35 Ultrasound guided biopsy of lymph nodes
Anand Sundaralingam (Oxford, United Kingdom)

16:00 Break

16:10 Ultrasound guided biopsy of the lung
Speaker to be confirmed

16:35 TUS for advanced procedure guidance
Steven Walker (Bristol (Avon), United Kingdom)

Studio (White)	Session	15:15 - 16:45
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Language session: Spanish/Portuguese programme 2023

Biological therapy in respiratory diseases. A joint ERS/ALAT/SBPT/SEPAR/SPP session

Aims : to provide an update on the usefulness of biological therapies for the main noninfectious respiratory diseases.

Disease(s) : Airway diseases Interstitial lung diseases Thoracic oncology

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Nurse, Respiratory critical care physician, Pathologist, Radiologist, Thoracic oncologist

Chairs : Carlos Robalo Cordeiro (Coimbra, Portugal), Francisco Arancibia Hernandez (Santiago de Chile, Chile), Margareth Maria Pretti Dalcolmo (Rio De Janeiro (RJ), Brazil), Francisco Garcia Rio (Madrid, Spain)

15:15 Biological therapy for severe asthma
Ignacio Zabert (Neuquén, Argentina)

15:30 Lung cancer: recent therapeutic advances
Margarida Carmo de Pinho Dias (Vila Nova de Gaia, Portugal)

15:45 Role of biological therapy for chronic obstructive pulmonary disease
Fco.De Borja Garcia-Cosio Piqueras (Palma de Mallorca, Spain)

16:00 Biologic treatments for interstitial lung diseases
Bruno Guedes Baldi (São Paulo (SP), Brazil)

16:15 Discussion and Q&A

07:15-08:15

INDUSTRY EARLY MORNING SYMPOSIUM

SEE PAGE 1

Amber 3+4

Session

08:00 - 10:20

Skills workshop: SW16 Cardiac ultrasound in the management of pulmonary disease

Aims : Develop a rigorous and systematic approach in performing and analyzing cardiac ultrasound parameters in respiratory disease. Explain systolic function, diastolic function, right heart dysfunction during COPD patients, the management of pulmonary embolism. Explain the hemodynamic consequences of non-invasive ventilation and propose an echocardiographic monitoring for the best settings of non-invasive ventilation. Develop knowledge and understanding of echocardiographic parameters in patients with COPD, pulmonary embolism or requiring non-invasive ventilation.

Disease(s) : Pulmonary vascular diseases Respiratory critical care**Method(s) :** Imaging Physiology**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Respiratory critical care physician, Pathologist, Physician in Pulmonary Training, Physiologist, Radiologist**Chairs :** Bouchra Lamia (Rouen- Le Havre, France)**08:00 Introduction****08:00 Assessment of diastolic function in COPD patients**
Valentina Mercurio (Napoli, Italy)**08:00 Cardiac ultrasound assessment of right heart function**
Paul M. Hassoun (Baltimore, United States)**08:00 Cardiac ultrasound for the management of pulmonary embolism**
Mario Gerges (Vienna, Austria)**08:00 Hemodynamic consequences of non-invasive ventilation**
Bouchra Lamia (Rouen- Le Havre, France)

Amber 1+2

Session

08:00 - 10:20

Skills workshop: SW1 Pulmonary rehabilitation: extending practice to improve health outcomes
A personalised medicine approach

Aims : to describe diagnostic methods and interventions that enable phenotyping of individuals based on the clinical problems experienced and tailoring of the content of pulmonary rehabilitation programmes to deliver a personalised approach; to describe methods for assessing the physical activity level and promoting physical activity; to assess patients who may benefit from neuromuscular electrical stimulation and to explain how to apply and progress the treatment; to describe and evaluate the incorporation of mindfulness-based interventions into pulmonary rehabilitation and their outcomes.

Disease(s) : Airway diseases Interstitial lung diseases Pulmonary vascular diseases**Method(s) :** General respiratory patient care Physiology Pulmonary rehabilitation**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist**Chairs :** Rainer Gloeckl (Schoenau am Koenigssee, Germany)**08:00 Introduction****08:00 Physical activity assessment and intervention**
Heleen Demeyer (Leuven, Belgium)**08:00 Neuromuscular electrical stimulation: in who and how?**
Lorna Latimer (Rugby (Warwickshire), United Kingdom)**08:00 How to improve balance and reduce falls in people undergoing pulmonary rehabilitation**
Marla Beauchamp (Hamilton, Canada)**08:00 Implementing mindfulness interventions into pulmonary rehabilitation**
Ingeborg Farver-Vestergaard (Vejle, Denmark)

08:00-08:45

INDUSTRY SKILLS LAB WORKSHOP

SEE PAGE 1

PS-20 in poster area

Session

08:00 - 09:30

Poster session: How much can we afford? The balance of costs and clinical benefits in the light of chronic respiratory diseases

Disease(s) : Airway diseases Respiratory critical care

Method(s) : General respiratory patient care Epidemiology Public health Respiratory intensive care Palliative care

Chairs : Sylvia Hartl (Wien, Austria), Chair to be confirmed

Cost-saving potential of BIO101 treatment in hospitalized adult patients with severe COVID-19.

mounia chabane (Paris, France), Waly Dioh, Serge Camelo, Sandrine Rabut, Rob Van Maanen, Stanislas Veillet

A retrospective study on the association of covid 19 vaccination status with hospital outcomes and costs (expenses) among patients admitted in a tertiary government hospital

April Calleja, Andre Angelo Tanque, Norman Maghuyop

Estimating costs associated with paediatric Respiratory Syncytial Virus infection managed in the hospital setting in England.

Rebecca Butfield (Tadworth, United Kingdom), Jack Said

A cost and environmental analysis of a vibrating mesh nebuliser

Amy Dymond (York, United Kingdom), Daniela Afonso, Stuart Mealing

Health, environmental, and societal impact of asthma care pathway in the UK: A cost-of-illness study

Martina Orlovic (Parma, Italy), Alessandra Madoni, Dimitrios Tzelis, Ines Guerra

Cost effectiveness analysis of treatments for children with uncontrolled asthma symptoms despite taking inhaled corticosteroids

Giovanna Culeddu (Bangor, United Kingdom), Ian Sinha, Sarah Donegan, Michelle Maden, Sofia Cividini, Katie Rose, Olivia Fulton, Stephen Turner, Catrin Tudor Smith, Dyfrig A. Hughes

Development, validation and application of an asthma cost-effectiveness model for value assessment of digital inhaler adherence enhancing strategies

Susanne J. van de Hei (Groningen, Netherlands), Chong H. Kim, Persijn J. Honkoop, Jacob K. Sont, Tjard R.J. Schermer, Elaine Mac Hale, Richard W. Costello, Janwillem W.H. Kocks, Maarten J. Postma, Job F.M. Van Boven

Direct health care cost of Chronic Obstructive Pulmonary Disease (COPD) in Morocco: a cost of illness study.

Soumaya Benmaamar (FEZ, Morocco), Btissame Es-Sabbahi, Mohamed Teghi Heiba, Mohamed Omari, Ibtissam El Harch, Mohammed Youbi, Latifa Belakhel, Loubna Abousselham, Hafid Hachri, Imane El Menchawyi, Samira El Fakir, Mohammed Chakib Benjelloun, Nabil Tachfouti

ANALYSIS OF THE CLINICAL CHARACTERISTICS AND COMORBIDITIES OF PATIENTS WITH COPD AND HOME MECHANICAL VENTILATION

Marina Galdeano Lozano (Montcada I Reixach (Barcelona), Spain), Adriana Martin Pascual, Carmen Fernandez Arias, Ariadna Ning Morancho Pallaruelo, Guillem Hernandez Guillamet Hernandez Guillamet, Francesc López Seguí, Agnes Hernández Biette, Irene Aldás Criado, Antoni Marin Muñoz, Monica Matute Villacis, Ignasi Garcia Olivé, Jorge Abad Capa

Feelings of Family Members of Patients with Chronic Respiratory Disease Before and After the Introduction of Home Oxygen Therapy

Rika Tonami (Fukui, Japan), Miyuki Sato, Keiko Kobayashi, Keiko Kobayashi

The last hours in a pulmonology ward: a retrospective look at end-of-life care

Maria Conceicao Alvarenga Santos (Lisboa, Portugal), Rita Enriquez, Joana Duarte, Catarina Amorim, Fernanda Mendes, Margarida Duarte Barata, Nidia Caires, Raquel Rosa, Teresa Martín, Inês Claro, Filipa Todo Bom

Evaluation of an audio-visual informed consent procedure in a diagnostic tuberculosis trial

Luis Gómez Paciello (Concepción, Paraguay), Floryn Schippers, Ana Aguiar, Cecile Magis

Late Breaking Abstract - Cradle-to-grave emission reduction for dry powder inhaler product portfolio

Hanna Hisinger-Mölkänen (Tuusula, Finland), Matleena Inget, Satu Lähelmä, Noora Paronen

PS-6 in poster area

Session

08:00 - 09:30

Poster session: From bench to bedside: translational studies in airway diseases

Disease(s) : Airway diseases**Method(s) :** Cell and molecular biology Physiology Public health General respiratory patient care Pulmonary rehabilitation
Imaging**Chairs :** Lena Uller (Lund, Sweden), Ian M. Adcock (London, United Kingdom)**BNT162b2 COVID-19 vaccine increases the sensitivity to histamine in human hyperresponsive airways**

Luigino Calzetta (Roma (RM), Italy), Alfredo Chetta, Marina Aiello, Annalisa Frizzelli, Josuel Ora, Enrico Melis, Francesco Facciolo, Lorenzo Ippoliti, Andrea Magrini, Paola Rogliani

BNT162b2 COVID-19 vaccine increases contractility to EFS in human hyperresponsive airways

Luigino Calzetta (Roma (RM), Italy), Alfredo Chetta, Marina Aiello, Annalisa Frizzelli, Josuel Ora, Enrico Melis, Francesco Facciolo, Lorenzo Ippoliti, Andrea Magrini, Paola Rogliani

The effects of pH alteration on human metapneumovirus infection in human airway epithelial cells

Ivana Daniels (Indianapolis, United States), Jessica Saunders, Laura Smith, Taiya Edwards, Benjamin Gaston, Michael Davis

The effect of magnetic stimulation of paravertebral ganglia on the anti-inflammatory reserves in COPD patients

Bohdana Basina (Dnipropetrovsk, Ukraine), Nataliia Sanina, Tetyana Pertseva, Svitlana Panina

Modulation of wound healing in human and murine respiratory epithelial cells

Francine Medjiofack Djeu (PADUA, Italy), Davide Malfacini, Marcello Trevisani, Girolamo Calo'

Characterization of contractile and relaxant responses in intralobular airways using a novel ex-vivo guinea pig model

Mu Nie (Solna, Sweden), Jielu Liu, Jesper S  fholm, Mikael Adner

Characterization of a corticosteroid-resistant inflammatory model of human bronchial epithelial cells cultured at air-liquid interface

Fabrizio Facchinetti (Parma (PR), Italy), Stefano Marchesi, Elisa Schiavi, Andrea Disanza, Leonardo Barzaghi, Massimiliano Bonanni, Giorgio Scita

The level of ICS in BDP/FF/GB modulates inflammation in a human ex vivo model of severe eosinophilic asthma

Paola Rogliani (Roma (RM), Italy), Josuel Ora, Enrico Motta, Enrico Melis, Francesco Facciolo, Luigino Calzetta

Effects of salbutamol and its combination with aminophylline on human stem cell-derived cardiomyocytes' function.

Kristian Brat (Brno, Czech Republic), Simon Klimovic, Martin Pesl, Jan Pribyl, Daniil Kabanov, Deborah Beckerova, Martin Scurek, Vladimir Rotrekl

EP395 effect on cell diapedesis measured by intravital microscopy

Yanira Riffo-Vasquez (London, United Kingdom), Jennifer A. Krick, Clive Page, Michael J. Parnham

Immunomodulatory effects of tanimilast on human dendritic cells activated by thymic stromal lymphopoietin

Fabrizio Facchinetti (Parma (PR), Italy), Oanh Hoang Nguyen, Laura Tiberio, Giulia Ripari, Gino Villetti, Maurizio Civelli, Daniela Bosisio

Tanimilast modulates IL-17 response in lymphocytes under different in vitro T17-promoting conditions

Elisa Schiavi (Parma, Italy), Gino Villetti, Maurizio Civelli, Fabrizio Facchinetti

Curcumin and grape pomace extract loaded in liposomes to counteract oxidative stress and inflammation induced by cigarette smoke in bronchial epithelial cells

Maria Ferraro (Palermo (PA), Italy), M. Letizia Manca, Rita Abi Rached, Serena Di Vincenzo, Valentina Lazzara, Paola Pinto, Elisabetta Pace

In vitro antibiofilm activity of hexylresorcinol lozenges against oropharyngeal pathogens

Katja Hill (Cardiff, United Kingdom), Priyanka Sharma, Charlotte Richards, Jennifer Adams, Lydia Powell, Elaine Ferguson, Graca Coutinho, Thomas Hallett, Anuradha Kulasekaran, David Thomas

A new formulation of n-acetylcysteine, carnitine, curcumin and B2 vitamin exerts anti-oxidant and anti-inflammatory effects in a primary 3D bronchial epithelial model exposed to cigarette smoke extracts.

Elisabetta Pace (Palermo (PA), Italy), Serena Di Vincenzo, Maria Ferraro, Valentina Lazzara, Paola Pinto, Filippo Catalano, Maria Rosaria Bonsignore

Maternal e-cigarettes reduce offspring size and alter terminal airway cells in D. melanogaster

Beate H  schler (Borstel, Germany), Hanna Angstmann, Birte Ehrhardt, Susanne Krauss-Etschmann

Eosinophil depletion decrease cardiovascular dysfunction in an emphysema with exacerbation rat model

Axel Bellanger (Montpellier, France), Pierre Edouard Grillet, Isabelle Vachier, Quentin Wynands, Elodie Desplanche, Anne Virsolvy, Fares Gouzi, Arnaud Bourdin, Olivier Cazorla

Late Breaking Abstract - The interim analysis result of allogeneic umbilical cord mesenchymal stem cells administration to moderate COPD patients: an open-label, dose escalation, Phase I study.

Kang-Yun Lee (New Taipei City, Taiwan), Kuan-Yuan Chen, Chang-Yo Hsuan, Ching-Mei Chen

Late Breaking Abstract - Safety and Efficacy of RLS-0071 on Neutrophils and Inflammatory Mediators in a Phase-1b Inhaled LPS Study

Jens Hohlfeld (Hannover, Germany), Olaf Holz, Meike Müller, Saskia Carstensen, Linda Dell, Jessica Goss, Pamela Hair, Philipp Badorek, Kenji Cunnion, Ulrich Thienel

PS-18 in poster area Session 08:00 - 09:30

Poster session: Interventional bronchoscopy: advances in probes, needles and more

Disease(s) : Thoracic oncology Airway diseases Interstitial lung diseases

Method(s) : Endoscopy and interventional pulmonology

Chairs : Peter I. Bonta (Amsterdam, Netherlands), Chair to be confirmed

Endoscopic aspergilloma management for non-surgical patients

Elaine Dumoulin (Calgary (AB), Canada), Christina Thornton, Chrystal Chan, Paul Maceachern, Christopher Mody

Bronchial rheoplasty for chronic bronchitis – a national case series.

Kristine Jensen (Hundested, Denmark), Hans Henrik Schultz, Erik Lilja Secher, Anna Kalhauge, Thomas Kromann Lund, Jann Mortensen, Michael Perch

Does stent shape affect results in Post-Intubation Tracheal Stenosis?

Hanna Dawood (Athens, Greece), Nektarios Anagnostopoulos, Evangelia Koukaki, Andriana Papaioannou, Grigoris Stratakis

Prognostic factors after airway stenting for malignant tracheo- or broncho-oesophageal fistulas.

Juliette Edme (Toulouse, France), Clément Fournier, Claudia Zea Obando, Laurent Cellerin, Frederic Wallyn, Samy Lachkar, Thomas Egenod, Christophe Gut Gobert, Loic Perrot, Christine Lorut, Jean Michel Vergnon, Valerian Bourinet, Julien Legodec, Benoit Lepage, Herve Dutau, Nicolas Guibert

Diagnostic yield and safety of Trans-Bronchial Cryo-Biopsy from right upper lobe

Elad Guber (Kfar saba, Israel), Ayal Romem, Hadas Gilboa, David Shitrit

Endobronchial cryobiopsy shortens the time to cancer diagnosis.

Kristian Brat (Brno, Czech Republic), Nela Stastna, Michaela Heroutova, Ivan Cundrle Jr

Utility of cryobiopsy in peripheral pulmonary lesions for next-generation sequencing

Yuji Matsumoto (Tokyo, Japan), Hideaki Furuse, Tatsuya Imabayashi, Keigo Uchimura, Takaaki Tsuchida

The ThinICE protocol: the combination of cryobiopsy and ultraThin bronchoscopy for the peripheral lung nodule.

Leonardo Giuntoli (montecatini terme, Italy), Luca Ciani, Valentina Luzzi, Marco Trigiani, Gori Leonardo, Lorenzo Corbetta, Alessandra Sorano, Alessandro Fusco, Giorgio Vitale, Valeria Pasini, Elisabetta Rosi, Federico Lavorini, Camilla Comin, Sara Tomassetti

Diagnostic utility and safety of non-intubated cryobiopsy using a 1.1-mm cryoprobe for peripheral pulmonary lesions

Toshiyuki Nakai (Osaka, Japan), Tetsuya Watanabe, Kazuhiro Yamada, Misako Nishimura, Atsushi Miyamoto, Yoshiya Matsumoto, Kenji Sawa, Kanako Sato, Kazuhisa Asai, Yuji Matsumoto, Yu Mikami, Tomoya Kawaguchi

A randomised trial of transbronchial mediastinal cryobiopsy versus forceps biopsy for the diagnosis of mediastinal lesion

Felix J.F. Herth (Heidelberg, Germany), Ye Fan, Wan-Lei Fu, Zan-Sheng Huang, Jing Wang

The diagnostic yield of aspirated material in EBUS-TNBA suction syringe: a prospective single center study.

Ayal Romem (Jerusalem, Israel), Elad Guber, David Shitrit

Identification of EGFR mutations in transbronchial cryobiopsies

Sergio Alejandro Menchaca (TLALPAN, Mexico), Olivia Sanchez Cabral, Cira Santillan Diaz

Prevalence of Immune-mediated Inflammatory Diseases in Patients with Lung Cancer

Marina Saad (Cesano Boscone, Italy), Francesca Mandurino Mirizzi, Debora Maria Spitaleri, Anna Casartelli, Lisa Milani, Giuseppe Croce, Giada Lazzaroni, Dejan Radovanovic, Pierachille Santus

The safety and practices of performing endobronchial ultrasound transbronchial needle aspiration (EBUS-TBNA) without an anesthesiology team: experience from a tertiary centre

Grgur Salai (Zagreb, Croatia), Robert Gecevic, Ivona Kovacevic, Ivan Marasovic, Darjan Ranilovic, Tajana Stoos Veic, Divo Ljubcic

Endobronchial ultrasound guided transvascular needle aspiration for lung tumor diagnosis

Maciej Gnass (Myślenice, Poland), Piotr Gniady, Agnieszka Knapczyk, Damian Czyżewski, Piotr Krudys, Alina Szymczyk, Piotr Kocoń, Artur Bartczak, Artur Szlubowski

High flow nasal cannula (HFNC) during EBUS TBNA – enough evidence so far? A real world study.

Sonja Badovinac (Zagreb, Croatia), Goran Glodic, Stela Majetić, Denis Baričević, Dražena Srdić, Filip Popović, Feđa Džubur, Marta Koršić, Miroslav Samaržija

Evaluation of tissue adequacy in patients with malignant intrathoracic lymphadenopathy undergoing endobronchial ultrasound-guided miniforceps biopsy (EBUS-MFB) added on EBUS-TBNA compared to EBUS-TBNA alone

Pipu Tavornshevin (Bangkok, Thailand), Vorawut Thanthitaweeewat, Thitiwat Sriprasart, Virissorn Wongsrichanalai, Poonchavist Chantranuwatana, Nophol Leelayuwatanakul

Tissue coagulum clot cellblock from EBUS-TBNA for the diagnosis of necrotic lung and mediastinal lesions.

Chun Ian Soo, Leng Cheng Sia, Vijayan Munusamy, Nur Husna Ibrahim, Ka Kiat Chin, Thian Chee Loh, Juinn Liang Tan, Sook Ling Low, Mau Ern Poh, Chee Kuan Wong, Yong Kek Pang, Chong Kin Liam

Endobronchial ultrasound guided transbronchial lymph node cryobiopsy (EBUS-TBLNC): a new approach to mediastinal pathology.

Alessandro Fusco (Latina, Italy), Luca Ciani, Marco Trigiani, Valentina Luzzi, Leonardo Giuntoli, Leonardo Gori, Federico Lavorini, Sara Tomassetti

Multicentric retrospective study on the implementation of CryoEBUS for the study of mediastinal lymphadenopathy.

Pere Trias Sabria (Barcelona, Spain), Virginia Pajares, Marta Plana, Marta Díez-Ferrer, Lara Pijuan, Núria Baixeras, Pere Serra, Laura López Vilaró, Eduard Barrio, Carmen Centeno Clemente, Rachid Tazi-Mezalek, Felipe Andreo, Antoni Rosell Gratacós, Alfons Torrego, Salud Santos Pérez, Rosa López-Lisbona

PS-13 in poster area**Session****08:00 - 09:30****Poster session: Contemporary nursing**

Disease(s) : Airway diseases Interstitial lung diseases Sleep and breathing disorders Thoracic oncology

Method(s) : Pulmonary function testing General respiratory patient care Public health Epidemiology Palliative care Surgery Pulmonary rehabilitation

Chairs : Andreja Sajnic (Zagreb, Croatia), Chair to be confirmed

Multiple manifestations of uncontrolled asthma increase the risk of severe COVID-19

Stina Selberg (Luleå, Sweden), Johanna Karlsson Sundbaum, Jon R Konradsen, Helena Backman, Linnea Hedman, Anne Lindberg, Caroline Stridsman

Activity levels and quality of life of Long COVID-19 patients 2 years post-infection

Andrés Calvache Mateo (Granada, Spain), Sofía Hernández Hernández, Julia Raya Benítez, Laura López López, María Granados Santiago, Geraldine Valenza Peña, Marie Carmen Valenza

Pain related clinical profile of Long COVID-19 patients 2 years post-infection

Andrés Calvache Mateo (Granada, Spain), Sofía Hernández Hernández, Julia Raya Benítez, Alejandro Heredia Ciuró, Javier Martín Núñez, Izarbe Ríos Asín, Marie Carmen Valenza

Impact of the COVID-19 pandemic on specialized rehabilitation nursing care in respiratory field.

Barbara Pires (Ede Gld, Netherlands), Rui Silva, José Padilha

A systematic review of factors that determine COVID-19 vaccine uptake amongst underserved populations considering social norms and health beliefs

Tahreem Chaudhry (London, United Kingdom), Patricia Tum, Dominik Zenner

Interstitial Lung Disease (ILD): Longitudinal exploration of patient experiences of home spirometry

Jessica Mandizha (Exeter, United Kingdom), Joseph Lanario, Anna Duckworth, Sarah Lines, Ana Rita Paiva, Victoria Elworthy, Veena Muraleedharan, Graham Brown, Maureen Cosby, Adam Russell, Alexander Berry, Michael Gibbons, Chris Scotton, Anne-Marie Russell

Integrated Sleep Service Model (ISSM) implementation to improve the care of patients with Sleep-Breathing Disorder(SBD)

Maggie, Pik Kee Lit (Kowloon, Hong Kong), Kuen Han Lee, Chun Kong Ng, Wing Hing O, Pui Shan Chow, Yuen Hin Wong, Fung Ting Mak, Yiu Hei Chan, Wan Man Johnny Chan

The effectiveness of the Intensive Tobacco Cessation Programme: a multi-professional approach

Lucía Méndez González (Santa Maria da Feira, Portugal), Cristina Leite, Francisca Teixeira Lopes, Catia Caneiras, Jorge Ferreira

Sind Post-COVID: Impact on Physical and Functional Respiratory Capacity

Lucía Méndez González (Santa Maria da Feira, Portugal), Susana Pereira, Cristina Alves, Catia Caneiras, Filipa Ferreira, Jorge Ferreira

Impact and clinical benefit of nebulized antibiotics in patients with chronic bronchial infection without cystic fibrosis

Sally Santisteve Lostes (Ileida, Spain), Marcela Suarez, Esther Gracia-Lavedan, Alfredo Jover Saenz, Maria Zuñil, Juan A. Schoenenberger Arnaiz, Arturo Morales Portillo, Ferran Barbé, Jessica González

Octreotide as a Therapeutic Option for Refractory Chronic Cough: A Retrospective Case Series

Kayleigh Brindle (Cottingham, United Kingdom), Mengru Zhang, Natalie Carter, Alyn Morice

Self-assessment of health in adult patients with cystic fibrosis after the introduction of triple CFTR modulator therapy

Tihana Odobasic Palkovic (Zagreb, Croatia), Ivana Lalic Cickovic, Tomislava Milinkovic, Dolores Bzik, Gorana Levacic, Andreja Sajnic, Irena Godic, Andrea Vukic Dugac

Transthoracic biopsy - importance and complications

Ivana Lukić Franolić (Zagreb, Croatia), Sandra Karabatić, Andreja Šajnić

Developing an audit tool for assessing suitability for self-administration of asthma biologic therapies.

Paula Hallahan (Dublin 7, Ireland), Claire Sheridan

Efficacy of respiratory training in pulmonary function of idiopathic pulmonary fibrosis: a Meta-analysis

Javier Martín Núñez (Granada, Spain), Alba Navas Otero, Sofia Hernández Hernández, Alejandro Heredia Ciuró, Andrés Calvache Mateo, Geraldine Valenza Peña, Marie Carmen Valenza

The “vicious circle” of chronic cough. The patient experience – A qualitative synthesis.

Kayleigh Brindle (Cottingham, United Kingdom), Alyn Morice, Carter Natalie, Dominic Sykes, Mengru Zhang, Andrea Hilton

Endobronchial valve (EBV) treatment for emphysema: a qualitative study of patients' expectations

Camilla Askov Mousing (Randers SØ, Denmark), Ingeborg Farver-Vestergaard, Anders Løkke, Kathrine Bock, Thomas Decker Christensen, Morten Bendixen, Elisabeth Bendstrup, Lotte Hasling Kodbøl Jørgensen, Karoline Littrup King

Evaluation of outpatient clinic for non-malignant respiratory palliation - An interdisciplinary collaboration

Stephanie Paag Svane (Odense C, Denmark), Sofie Lock Johansson, Ingrid Louise Titlestad, Mette Barlebo Froesig, Siri Stistrup Rasmussen, Sabine Gill, Helle Marie Christensen

PS-14 in poster area**Session****08:00 - 09:30****Poster session: Bronchiectasis registries, cohorts and subgroups**

Disease(s) : Airway diseases Respiratory critical care

Method(s) : Cell and molecular biology Imaging Pulmonary function testing Pulmonary rehabilitation Epidemiology General respiratory patient care Physiology Public health

Chairs : Felix C. Ringshausen (Hannover, Germany), Beatriz Herrero Cortina (Zaragoza, Spain)

The microbiology of bronchiectasis in Europe: Data from the European Bronchiectasis Registry (EMBARC)

James D. Chalmers (Dundee (Angus), United Kingdom), Eva Polverino, Megan Crichton, Felix Ringshausen, Anthony De Soyza, Montserrat Vendrell, Pierre Regis Burgel, Charles Haworth, Michael Loebinger, Katerina Dimakou, Marlene Murris, Robert Wilson, Adam Hill, Rosario Menendez, Antoni Torres, Tobias Welte, Francesco Blasi, Josje Altenburg, Michal Shteinberg, Wim Boersma, Stuart Elborn, Pieter Goeminne, Stefano Aliberti

The airway microbiome in Bronchiectasis-COPD overlap: data from the EMBARC-BRIDGE study

Holly R. Keir (Dundee (Angus), United Kingdom), Alison J. Dicker, Hollian Richardson, Ellie Kewin, Lidia Perea Soriano, Jennifer Pollock, Yan H Giam, Megan Crichton, Hayoung Choi, Erin Cant, Simon Finch, Christopher J. Fong, Francesco Blasi, Amelia Shoemark, Oriol Sibila, Stefano Aliberti, James D Chalmers

Inflammatory Endotypes, Microbiome and Exacerbation Risk in Bronchiectasis: A European Multicentre Study

Amelia Shoemark (Dundee (Angus), United Kingdom), Hayoung Choi, Soorack Ryu, Holly Keir, Yan Hui Giam, Alison Dicker, Lidia Perea, Hollian Richardson, Jeffrey Huang, Erin Cant, Francesco Blasi, Jennifer Pollock, Michal Shteinberg, Simon Finch, Stefano Aliberti, Oriol Sibila, James Chalmers

The bronchiectasis exacerbation definition in a real-world setting: data from the EMBARC registry

Mattia Nigro (Opera (MI), Italy), Megan Crichton, Pieter C. Goeminne, Natalie Lorent, Katerina Dimakou, Oriol Sibila, Rosario Menendez, Michal Shteinberg, Francesco Blasi, Tobias Welte, Eva Polverino, James D. Chalmers, Stefano Aliberti

International validation of the Bronchiectasis Health Questionnaire (BHQ): data from the EMBARC-BRIDGE study
Arietta Spinou (London, United Kingdom), Megan L Crichton, Amelia Shoemark, Stefano Aliberti, Josje Altenburg, Francesco Blasi, Clare Clarke, Sanjay H Chotirmall, Raja Dhar, Pieter Goeminne, Charles Haworth, Michael Loebinger, Natalie Lorent, Eva Polverino, Felix Ringshausen, Michal Shteinberg, Oriol Sibila, Tobias Welte, James D Chalmers

Alpha-1 antitrypsin deficiency genotypes in a large international cohort study of bronchiectasis (EMBARC BRIDGE)

Felix C. Ringshausen (Hannover, Germany), Natalie Lorent, Anthony De Soyza, Oriol Sibila, Eva Polverino, Josje Altenburg, Megan L. Crichton, Michal Shteinberg, Pieter C. Goeminne, Francesco Blasi, Tobias Welte, Stefano Aliberti, Amelia Shoemark, James D. Chalmers

Bronchiectasis in Patients with Chronic Lymphocytic Leukemia

Ori Wand (Kfar Sava, Israel), Dovev Cohen, Alexandra Osadchy, Lilach Israeli-Shani, Keren Cohen-Hagai, David Shitrit

Clinical phenotypes of bronchiectasis exacerbation: data from the EMBARC exacerbation substudy

Mattia Nigro (Opera (MI), Italy), Megan Crichton, Pieter C. Goeminne, Natalie Lorent, Katerina Dimakou, Oriol Sibila, Rosario Menendez, Michal Shteinberg, Francesco Blasi, Tobias Welte, Eva Polverino, James D. Chalmers, Stefano Aliberti

Bronchiectasis as a prognostic factor in patients with alpha 1 antitrypsin deficiency?

Maria Beatriz Dias Ferraz (Porto, Portugal), Tiago Oliveira, Bárbara Ramos, Maria Sucena, Inês Sanches, Catarina Lacerda, Raquel Marçoa, Ivone Pascoal

Alpha1antitrypsine (AAT) in sputum: is it a useful biomarker in Bronchiectasis (BE)?

Letizia Traversi (Cittiglio, Italy), Ianire Gallego, Javier Perez-Miranda, Almudena Felipe, Antonio Alvarez, David Clofent, Mario Culebras, Maria Luiza De Souza Galvão, Karina Looor, Eva Polverino

A cohort series; referral bias and unmet needs in inflammatory bowel disease associated bronchiectasis

Georgia Tindle (Newcastle Upon Tyne, United Kingdom), Paul Mccallion, John Davison, Katy Hester, Anthony De Soyza

Identification of a subgroup of non cystic fibrosis (CF) bronchiectasis patients with asthmatic traits

Roberta Pancani (PISA, Italy), Valerie Wandael, Giulia Lenzini, Davide Chimera, Francesco Pistelli, Federico Lorenzo Dente, Laura Carrozzi

A complete test panel avoids missed PCD diagnosis in adults with mild clinical phenotype

Doriane Calmés (Liège, Belgium), Noémie Bricmont, Bonhivier Romane, Guissard Françoise, Pauly Clara, Hougrand Olivier, Benchimol Lionel, Poirrier Anne-Lise, Docampo Martinez Elisa, Harvengt Julie, Jacquinet Adeline, Seghayé Marie-Christine, Louis Renaud, Kempeneers Céline

What are the radiological, microbiological and biochemical characteristics of bronchiectasis in alpha-1 antitrypsin deficiency? A systematic review

Joshua De Soyza (Birmingham, United Kingdom), Anita Pye, Daniella A. Spittle, Alice M. Turner

Evaluation of the quality of life in patients followed for bronchial dilatation at the Hassan II Hospital in Agadir

Khadija Ait nasser (Agadir, Morocco), Houda Moubachir, Hind Serhane

The Royal Brompton hospital adult primary ciliary dyskinesia (PCD) service: 2 years on

Stevie Peake (London, United Kingdom), Andrew Jones, Ricardo Jose, Elaine Shattock, Michael Loebinger

Sputum colour assessment and clinical outcomes in bronchiectasis: data from the EMBARC Registry

Megan Crichton (Dundee (Angus), United Kingdom), Eva Polverino, Felix Ringshausen, Anthony De Soyza, Montserrat Vendrell, Pierre Regis Burgel, Charles Haworth, Michael Loebinger, Katerina Dinamku, Marlene Murriss, Robert Wilson, Adam Hill, Rosario Menendes, Antoni Torres, Tobias Welte, Francesco Blasi, Josje Altenburg, Michal Shteinberg, Wim Boersma, Stuart Elborn, Pieter Goeminne, Stefano Aliberti, James Chalmers

Mannitol vs Hypertonic saline in non-CF bronchiectasis, a systematic review, pairwise, and network meta-analysis of randomized control trials.

Mohamed H. Fathy (New Cairo, Egypt), Mahmoud A. Elnagar, Merihan A. Elbadawy, Ahmed K. Awad

Bronchiectasis associated to connective tissue diseases: a single-center experience

Anna Stainer (Vigevano, Italy), Andrea Gramegna, Edoardo Simonetta, Mattia Nigro, Marco Mantero, Margherita Ori, Francesco Amati, Stefano Aliberti, Francesco Blasi

Phenotypes in adult patients with bronchiectasis: a cluster analysis

Oxana Munteanu (Chişinău (Chişinău), Republic of Moldova), Doina Rusu, Aliona David, Leonid Onea, Victor Botnaru

PS-15 in poster area

Session

08:00 - 09:30

Poster session: New strategies for therapeutic management of interstitial lung disease of known cause

Disease(s) : **Interstitial lung diseases** **Airway diseases**

Method(s) : Epidemiology General respiratory patient care Respiratory intensive care Pulmonary function testing Palliative care
Cell and molecular biology Imaging Endoscopy and interventional pulmonology

Chairs : George Margaritopoulos (London, United Kingdom)

Early intervention of antifibrotics along with anti-inflammatory treatment in rapidly progressive interstitial lung disease (RP-ILD) with anti-MDA5 antibody-positive dermatomyositis (MDA5-DM)

Tomohiro Bando (Seto, Japan), Yasuhiko Yamano, Reoto Takei, Hajime Sasano, Jun Fukihara, Toshiki Yokoyama, Toshiaki Matsuda, Kensuke Kataoka, Tomoki Kimura, Takeshi Johkoh, Junya Fukuoka, Yasuhiro Kondoh

Real-life multicentric national observational study of the use of nintedanib in systemic sclerosis-associated interstitial lung disease

Vincent Koether (Lille, France), David Launay, Martine Reynaud Gaubert, Grégoire Prévot, Luc Mouthon, Raphael Borie, Kinan El Husseini, Paul Decker, Stéphanie Dirou, Elodie Blanchart, Amélie Leurs, Sabine Berthier, Xavier Delbrel, Marie Durel, Christian Agard, Eric Hachulla, Ana Nieves, Denise Aydingag, Snfmi Snfmi, Gfrs Gfrs, Orphalung Orphalung, Vincent Cottin, Yurdağul Uzunhan

Sustained-release morphine for breathlessness in interstitial lung disease - a crossover study

Diana Ferreira (Adelaide (SA), Australia), Magnus Ekstrom, Vanessa Brunelli, Sabrina Bajwah, David Currow

Real-world data from 24 UK centres for the use of nintedanib for progressive fibrosing interstitial lung disease

Giles Dixon (Badminton, United Kingdom), Samuel Hague, Sarah Mulholland, Aye Myat Noe Khin, Hannah Thould, Roisin Connon, Paul Minnis, Eoin Murtagh, Fasihul Khan, Sameen Toor, Alexandra Lawrence, Mariam Naqvi, Alex West, Robina Coker, Katie Ward, Leda Yazbeck, Simon Hart, Theresa Garfoot, Kate Newman, Pilar Rivera-Ortega, Lachlan Stranks, Paul Beirne, Jessica Bradley, Catherine Rowan, Sarah Agnew, Mahin Ahmad, Lisa G Spencer, Joshua Aigbirior, Ahmed Fahim, Andrew M Wilson, Elizabeth Butcher, Sy Giin Chong, Gauri Saini, Sabrina Zulfikar, Felix Chua, Peter M George, Maria Kokosi, Vasileios Kouranos, Philip Molyneaux, Elisabetta Renzoni, Benedetta Vitri, Athol U Wells, Lisa M Nicol, Stephen Bianchi, Raman Kular, Huajian Liu, Alexander John, Sarah Barth, Melissa Wickremasinghe, Ian A Forrest, Ian Grimes, A. John Simpson, Sophie V Fletcher, Mark G Jones, Emma Kinsella, Jennifer Naftel, Nicola Wood, Jodie Chalmers, Anjali Crawshaw, Louise E Crowley, Davinder Dosanjh, Christopher C Huntley, Gareth I Walters, Timothy Gatheral, Catherine Plum, Shiva Bikmalla, Raja Muthusami, Helen Stone, Jonathan C L Rodrigues, Krasimira Tsaneva-Atanasova, Chris J Scotton, Michael A Gibbons*, Shaney L Barratt*

Nebulised pirfenidone in non-idiopathic pulmonary fibrosis (IPF) progressive pulmonary fibrosis (PPF): first look at FVC data

Alex West (London, United Kingdom), Alexandra Lawrence, Hao Bao, Deepthi Nair, Courtney Thompson, Felix Woodhead

Outcomes in real-life nintedanib treatment of progressive fibrosing interstitial lung disease.

Elisa Calzolari (Genova, Italy), Adriana Callari, Lavinia Martino, Nicola Lanzarone, Vitale Miceli, Patrizio Vitulo

Role of nintedanib in the treatment of progressive pulmonary fibrosis (PPF) in daily clinical practice.

Fatima Andres Franch (Sueca (Valencia), Spain), Ignacio Salvador Alvarez Martínez, Mario Andújar Llamazares, Daniel Segura Ayala, Elsie Daviana Meneses Petersen, Luis Cabanes López, Laura Novella Sánchez, Jose Ramon Ferrando Gabarda, Maria Meseguer Sisternes, Inmaculada Lluch Tortajada, Elsa Naval Sendra

Real-world of Nintedanib in a Spanish non-IPF progressive pulmonary fibrosis cohort

Vanesa Vicens Zygmunt (Castelldefels (Barcelona), Spain), Jaume Bordas-Martínez, Miriam Muñoz-Bolaño, João Carmezim-Correia, Ana Belén Llanos-González, Adrià Domingo-Carnice, Dolores Rodríguez-Cumplido, Guadalupe Bermudo-Peloché, Cristian Tebé-Cordomí, Roser Llop-Rius, Maria Molina-Molina

Impact of oxygenation strategies on outcome in acute exacerbation of interstitial lung disease : A multicenter retrospective study

Robin Thévenin (Rouen, France), André Gillibert, Nicolas Dognon, Mélanie Drucbert, Laurie Lagache, Mathieu Salaün, Antoine Cuvelier, Christophe Girault, Élise Artaud-Macari

Efficacy of mycophenolate mofetil in fibrotic hypersensitivity pneumonitis treatment

Ana Filipa Torres Silva (Raimonda, Portugal), Ana Cláudia Pimenta, Margarida Melo Cruz, Natália Melo, Patrícia Caetano Mota, André Terras Alexandre, Hélder Novais Bastos, Oksana Sokhatska, Susana Guimarães, Conceição Souto Moura, André Carvalho, Filipa Aguiar, Vanessa Santos, António Morais

Progression and tolerance of patients with connective tissue disease-related interstitial lung disease (CTD-ILD) on rituximab treatment

Ana Belén Llanos Gonzalez (La Orotava, Spain), José Carlos García Hernández, Sara García Gil, Elisa Trujillo Martín, Verónica Saray Hernández García, Paula Pérez De Armas, Nelson Mesa León, Juan Alfonso Bonilla Arjona, Marta Elena Gómez Gil, María García González, María Vanesa Hernández Hernández, José Federico Díaz González, Orlando Acosta Fernández

Whole Lung Lavage for Pulmonary Alveolar Proteinosis: A Retrospective Analysis of 33 Cases

Philippe Colares (São Paulo (SP), Brazil), Ana Avila, Paula D'Ambrosio, Roberta Sales, Helio Minamoto, Paulo Pêgo-Fernandes

Clinical, demographic and functional evaluation of patients with hypersensitivity pneumonitis and their comparison based on current diagnostic criteria

Guilherme Das Poses Bridi (São Paulo (SP), Brazil), Bianca Freire Da Silva, Marieta Cabral Amaral Da Cunha, Douglas Silva Queiroz, José Leônidas Alves-Jr, João Marcos Salge, Celso R F De Carvalho, Ronaldo Adib Kairalla, Rogerio De Souza, Bruno Guedes Baldi

Effect of vasodilator therapy on clinical and hemodynamics of patients with pulmonary arterial hypertension, connective tissue disease related pulmonary fibrosis

Sumaiya Hafiz (Abu Dhabi, United Arab Emirates), Naureen Khan, Hosam Alazazzi, Stuti Mulls, Hamdan Alawadhi, Jihad Mallat, Hani Sabbour, Khaled Saleh

Online Mindfulness-Based Interventions (MBI) for palliative care: reducing dyspnea, depression, anxiety, and stress in patients with interstitial lung disease assisted at the UFMG University Hospital

Eliane Viana Mancuzo (Belo Horizonte (MG), Brazil), Siliana Maria Duarte Miranda, Gabriela Patrus Ananias De Assis Pires, Andrew Nogueira Albuquerque Leal, Luiz Fernando Ferreira Pereira, Sara Pinho Cunha Paiva

Treatment and clinical course of hypersensitive pneumonitis – single center experience

Marko Banić (Zagreb, Croatia), Martina Batarilo Hadar, Dina Rnjak, Mateja Janković Makek, Dina Mihelčić Korte, Feđa Džubur, Dubravka Pelicarić, Goran Glodić, Andreja Moćan, Tea Lovrić, Lorna Čorak, Miroslav Samaržija, Ana Hećimović

Nintedanib for patients with CTD related pulmonary fibrosis: real-life data.

Eirini Vasarmidi (Heraklion (Crete), Greece), Pierre-Antoine Juge, Eleni Bibaki, Nikolaos Tzanakis, Raphael Borie, Philippe Dieude, Bruno Crestani, Katerina Antoniou

Real-life analysis of adherence to antifibrotic treatment in patients with progressive pulmonary fibrosis in Romania – a specialized center-based cohort study

Flavia-Gabriela Martis (Arad (Arad), Romania), Daniel Traila, Ovidiu Fira Mladinescu

Efzofitimid: a novel therapeutic candidate for SSc-ILD

Zhiwen Xu (San Diego, United States), David Siefker, Michaela Ferrer, Elizabeth Yu, Lauren Guy, Kaitlyn Rauch, Sofia Klopp-Savino, Leslie Nangle

PS-8 in poster area**Session****08:00 - 09:30****Poster session: Advances in the management of asthma and allergic airways disease**

Disease(s) : Airway diseases Interstitial lung diseases Sleep and breathing disorders

Method(s) : Cell and molecular biology Pulmonary function testing General respiratory patient care Epidemiology Public health

Chairs : Christian Taube (Essen, Germany), Christina Bal (Wien, Austria)

Response to biologics and clinical remission in the adult GAN severe asthma cohort.

Katrin Milger-Kneidinger (Munich, Germany), Hendrik Suhling, Dirk Skowasch, Annette Holtdirk, Nikolaus Kneidinger, Jürgen Behr, Hartmut Timmermann, Christian Schulz, Olaf Schmidt, Rainer Ehmman, Marek Lommatzsch, Eckard Hamelmann, Marco Idzko, Christian Taube, Roland Buhl, Stephanie Korn

Real-world mepolizumab outcomes in severe asthma: REALITI-A post hoc analysis by exacerbation history

Diego Bagnasco (GENOVA (GE), Italy), Diane Loughheed, Vijay Subramanian, Ian J Clifton, Robert G Price, Peter Howarth

A real-life comparison of patients with severe eosinophilic asthma treated with benralizumab or mepolizumab

Torben Smidt-Hansen (Stavtrup, Denmark), Helle H Andersen, Lene M Pedersen, Tina Skjold, Johannes Schmid

Mepolizumab long-term safety in severe eosinophilic asthma

Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Robert Chan, Peter Howarth, Martin Gilson, Robert G Price, Jorge F Maspero

Dupilumab may be beneficial for severe asthma patients with high FeNO And low blood eosinophil counts in real world observational study.

Tatsuhiko Uno (saitama prefecture, Japan), Yuki Hoshino, Tomoyuki Soma, Yoshitaka Uchida, Takeshi Asado, Reina Ishii, Kazuki Katayama, Hidetoshi Iemura, Takahiro Uchida, Shun Shinomiya, Sachiko Miyauchi, Kazuyuki Nakagome, Hidetoshi Nakamura, Makoto Nagata

A modified COMSA score is a good tool to identify responders and non-responders to mepolizumab in severe asthma

Valentyna Yasinska (Rönninge, Sweden), Maria Sparreman-Mikus, Johan Kolmert, Lars I. Andersson, Andrei Malinovschi, Christer Janson, Barbro Dahlén, Sven-Erik Dahlén

German Asthma Net: Characterization of responders of anti-IL5 and anti-IL5(R) therapy

Christina Bal (Wien, Austria), Katrin Milger, Dirk Skowasch, Christian Schulz, Margret Jandl, Olaf Schmidt, Rainer Ehmman, Sonja Zehetmayer, Christian Taube, Eckard Hamelmann, Roland Buhl, Stephanie Korn, Marco Idzko

Patients with severe asthma reducing ICS treatment during treatment with biologicals do not have more frequent exacerbations.

Torben Smidt-Hansen (Stavtrup, Denmark), Helle H Andersen, Lene M Pedersen, Anne-Sofie Bjerrum, Tina Skjold, H.J. Hoffmann, Johannes Schmid

Factors predictive of poor adherence to treatment in patients with asthma

Aboubekr Imzil (Agadir, Morocco), Ossama Halloumi, Abdelkrim Khannous, Abdelmajid Oulahbib, Youness Essaid, Fatiha Bounoua, Khadija Ait Nasser, Houssame Ennaciri, Sofiya Farhat, Hanane Ikrou, Nada Boutbagha, Houda Moubachir, Hind Serhane

Role of atopy in occupational asthma

Amira Belkahla (Tunis, Tunisia), Amira Belkahla, Dorra Brahim, Mariem Mersni, Imen Youssef, Najla Mechergui, Ghada Bahri, Hanene Ben Said, Soumaya Fenniche, Nizar Ladhari

Impact of smoking on biologicals treatment response in patients from the German Severe Asthma (GAN) Registry

Slagjana Stoshikj (Wien, Austria), Leonie Biener, Jonas Brugger, Christoph Krall, Kathrin Milger, Christian Schulz, Margret Jandl, Rainer Ehmann, Olav Schmidt, Dirk Skowasch, Roland Buhl, Eckard Hamelmann, Christian Taube, Stephanie Korn, Marco Idzko

Impact of inhaled corticosteroids on specific inhalation challenges for diagnosing occupational asthma

Gabriel Lavoie (MONTREAL, Canada), Catherine Lemièr

Impact of staphylococcus aureus enterotoxins on clinical responses to omalizumab in severe asthma patients

Wei-Ciao Wu (Taipei, Taiwan), Chih-Ming Weng, Han-Pin Kuo, Chun-Liang Chou

Assesment of the Healthcare Providers Knowledge, Practice and Attitudes Towards Allergen-Specific Immunotherapy

ASMA SAIDANE (TUNIS, Tunisia), Selsebil Daboussi, Meriem Chaabane, Marwa Kacem, Nouha Boubaker, Chiraz Aichaouia, Samira Mhamedi, Zied Moatameri

Results of health education training for asthmatic patients: A prospective cohort study

Bandi Solongo (Ulaanbaatar, Mongolia), Gankhuyag Tumenulzii, Dansran Densenbal

Anti-IgE Ab treatment attenuates OVA-Ag-induced neutrophilic airway inflammation and IL-17 production in the lungs

Kazuyuki Nakagome (Moroyama, Iruma, Japan), Mitsuru Imamura, Masaaki Kawano, Kimito Kawahata, Rie Takagi, Hiroaki Harada, Makoto Dohi, Sho Matsushita, Makoto Nagata

Therapeutic effect and mechanism study of 35 kDa Progesterone-induced blocking factor for elderly female asthmatic patients

Hyun Jae Shim (Seoul, Republic of Korea), Ji-Hyang Lee, Mini Jeong, Min Ju Pyo, Keun-Ai Moon, Sin-Jeong Kim, Kyomoon Koo, Ye Eun Hong, Yura Ha, You Sook Cho

Late Breaking Abstract - Clinical remission with mepolizumab in severe asthma: impact of lung function parameters

John Oppenheimer (summit, United States), Teresa Carrillo Díaz, Eva Martínez Moragón, M. Guadalupe Sanchez Herrero, David Bañas Conejero, Geoffrey Chupp, Robert G Price, Alejandro Raimondi, Shiyuan Zhang, Peter Howarth, Christian Domingo Ribas

Late Breaking Abstract - Comparability and usability of FeNO analyzers: a LEAD prospective general population study

Christina Bal (Wien, Austria), Marco Idzko, Caspar Schiffers, Maarten Van Herck, Vivian Niehaus, Sonja Zehetmayer, Marie-Kathrin Breyer, Sylvia Hartl, Robab Breyer-Kohansal

PS-11 in poster area

Session

08:00 - 09:30

Poster session: Thoracic surgery: a multifaceted subject**Disease(s) :** Thoracic oncology Interstitial lung diseases Airway diseases Sleep and breathing disorders**Method(s) :** Surgery Epidemiology Imaging Pulmonary function testing Endoscopy and interventional pulmonology Respiratory intensive care**Chairs :** Kalliopi Athanassiadi (Athens, Greece), Marcello Migliore (Riyadh, Saudi Arabia)**Curative surgical resection of lung cancer in octogenarian in tunisian center**

mahdi Abdennadher (Ariana, Tunisia), Wassim Chaieb, Hazem Zribi, Amina Abdelkebir, Mouna Mlika, Sonia Ouerghi, Sarra Zairi, Marghli Adel

Quantitative CT imaging to predict postoperative pulmonary function in patients undergoing lung resection surgery: pilot study

Alessandro Molani (Milano, Italy), Francesca Pennati, Rosaria Carrinola, Alessandro Palleschi, Andrea Aliverti

Interstitial lung disease and operable lung cancer - a center experience

Francisco Neri Gomes (Lisboa, Portugal), Zenito Cruz, Catarina Figueiredo, Tamiris Mogne, Bruno Mendes, Mariana Cabral, Paulo Calvinho

The clinicopathological study on the cause of high postoperative recurrence for catamenial pneumothorax

Masatoshi Kurihara (Tokyo, Japan), Kenji Tsuboshima, Takahiro Ochi

Patient reported outcome measures (PROMS) following multidisciplinary enhanced recovery protocol pathway (ERPP) in lung cancer surgery.

Ioannis Karampinis (Athens, Greece), Georgia Hardavella, Ioannis Kyritsis, Elli Keramida, Elena Bellou, Fotis Kyriakou, Nikolaos Anastasiou

Complications of transbronchial lung cryobiopsy: correlation with radiological pattern and PAPs

Marta Plana Pes (Cardedeu, Spain), Marta Diez-Ferrer, Pere Trias-Sabrià, Salud Santos Pérez, Guadalupe Bermudo Peloché, Vanesa Vicens Zygmunt, Maria Molina Molina, Rosa López-Lisbona

Acquired Tracheo-esophageal Fistula: surgical management

selma madhi (Ariana, Tunisia), Mahdi Abdennadher, Hazem Zribi, Amina Abdelkebir, Soumaya Ben Saad, Ayda Kkaddour Ayedi, Sarra Zairi, Adel Margheli

PROGNOSTIC FACTORS IN OPERATED THYMOMA.

Feriel Souissi (Tunis, Tunisia), Taieb Chrif, Mahdi Adbennadher, Mohamed Chokri Kortas, Sofiene Jerbi

Surgical management of neurogenic chest tumor

Kaouther Ben Amara (Ariana, Tunisia), Kaouther Ben Amara, Amina Abdelkebir, Habib Bessrou, Mahdi Abdennadher, Sarra Zairi, Hazem Zribi, Adel Margheli

Diaphragm plications: trends and outcomes.

Masooma Ali (Nottingham, United Kingdom), Mohammad Hawari, Abed-Elfattah Atieh, Milind Sovani

Does oxidized regenerated cellulose reinforcement for the entire pulmonary lobe during video-assisted thoracoscopic blebectomy reduce postoperative recurrent pneumothorax?

Masao Naruke (Tokyo, Japan), Ikuo Kamiyama, Takashi Ohtsuka

Lung cancer surgery with curative intent in elderly patients; Friend or foe?

Ioannis Karampinis (Athens, Greece), Georgia Hardavella, Elissavet Babaliari, Elli Keramida, Fotis Kyriakou, Panagiotis Demertzis, Konstantinos Potaris

Surgery of Giant Bullous Emphysema: Report of 60 patients

Elyes Khlas (tunis, Tunisia), Mahdi Abdennadher, Abdelkebir Amina, Hazem Zribi, Henda Neji, Hanen Smadhi, Sarra Zairi, Adel Margheli

Lung cancer screening "through" the COVID19 pandemic. A retrospective study.

Mariem Hadj Dahmane (Argenteuil, Tunisia), Abdou Rabi Richard, Bassel Dakhil, Patrick Bagan, Hanifa Boukhiar

Hybrid surgical treatment of a complicated intralobar sequestration in a young adult.

Dimitris Lioumpas (Athens, Greece), Evdokia Tzatzadaki, Stylianos Michelis, Anna Theodorou, Georgios Gkantinas, Evangelos Fergadis, Maria Trimandili, Theodoros Fachouridis, Efsthios Metaxas, Ioannis Stamatatos, Georgios Benakis, Ilias Samiotis, Antonios Katsantonis, Kiknadze Theoni, Antonios Antoniadis, Stylianos Zaragkas, Nikolaos Tzatzadakias

Non-small cell lung cancer with chest wall involvement: peculiarities of management

Habib Bessrou (Ariana, Tunisia), Sarra Zairi, Nidhal Balloumi, Mehdi Abdennadher, Hazem Zribi, Mariem Affes, Aida Ayedi, Sonia Ouerghi, Adel Margheli

A rare case of Pulmonary Lymphangioma

Shivalingaswamy Salimath (Bangalore (Karnataka), India), Harish G M, Sathish C, Anjali Parvathy, Nithin S Lal, Sanjai Narayanasamy

Surgery for primary mediastinal seminoma after chemotherapy: report of 3 cases

Kaouther Ben Amara (Ariana, Tunisia), Mahdi Abdennadher, Hazem Zribi, Sarra Zairi, Amina Abdelkebir, Ameni Ben Mansour, Emna Braham, Adel Margheli

Enlarged pneumonectomy for non-small cell lung cancer: 10-year experience

Asma Saad (Ariana, Tunisia), Mahdi Abdennadher, Takwa Abdelfatah, Hazem Zribi, Amani Ben Mansour, Aida Ayadi-Kaddour, Sarra Zairi, Adel Margheli

Sterno-clavicular joint infection: presentation and management

Sarra Zairi (Tunis, Tunisia), Chiraz Albouzidi, Mahdi Abdennadher, Emna Braham, Nizar Fitouhi, Mariem Affes, Amina Abdelkadir, Hazem Zribi, Sonia Ouerghi, Saoussen Hantous, Tahar Mestiri, Adel Margheli

PS-10 in poster area

Session

08:00 - 09:30

Poster session: Determinants of lung health

Disease(s) : Airway diseases Interstitial lung diseases Pulmonary vascular diseases

Method(s) : Epidemiology Public health Pulmonary function testing Endoscopy and interventional pulmonology

Chairs : Om Prakash Kurmi (Coventry, United Kingdom), Abigail Whitehouse (London, United Kingdom)

Asthma in a region with high exposure to agricultural products

YOUNESS ESSAID (Agadir, Morocco), Houda Moubachir, Hind Serhane

Short-term association of environmental exposures with nitric oxide concentration in exhaled air

Lorena Torroni (Verona, Italy), Francesca Locatelli, Pierpaolo Marchetti, Sandra Baldacci, Claudio Gariazzo, Sara Maio, Mario Olivieri, Gianluca Spiteri, Massimo Stafoggia, Camillo Silibello, Giovanni Viegi, Giuseppe Verlato, Alessandro Marcon

Long-term exposure to air pollution and risk of acute lower respiratory infections: evidence from the Danish Nurse Cohort

Jiawei ZHANG (Copenhagen, Denmark), Youn-Hee Lim, Rina So, Laust H. Mortensen, George Maria Napolitano, Thomas Cole-Hunter, Stéphane Tuffier, Marie Bergmann, Matija Maric, Seyed Mahmood Taghavi Shahri, Jørgen Brandt, Matthias Ketzel, Steffen Loft, Zorana Jovanovic Andersen

Green Areas and PM_{2.5} exposure could be associated with Asthma and COPD?

Francine Maria Almeida (São Paulo (SP), Brazil), Tiana Carla Lopes Moreira, Lucas Miranda Oliveira, Renato Fraga Righetti, Fernanda Degobbi Tenorio Quirino Santos Lopes, Airlane P Alencar, Nelson Gouveia, Thais Mauad, Paulo A Lotufo, Isabela Bensenor, Itamar Souza Santos, Iolanda Fátima Lopes Calvo Tibério

The gender-specific associations between greenness, air pollution and lung function in asthmatic patients

Tsu-Nai Wang, Fang-Yu Kuo, Pei-Shih Chen, Yuan-Chung Lin

Global prevalence and determinants of chronic cough

Hazim Abozid (Wien, Austria), Jaymini Patel, Sylvia Hartl, Robab Breyer- Kohansal, Marie-Kathrin Breyer, Otto C Burghuber, Emiel Fm Wouters, Andre F.S. Amaral

Effects of COVID-19 preventive measures on indoor air quality

Kimberly J. Linde (Utrecht, Netherlands), L Jonker, P C J L Bruijning-Verhagen, J Spithoven, M H G Tersteeg-Zijdeveld, P Scherpenisse, D J J Heederik, W Dohmen, I M Wouters

Air pollution and ethnicity associated with prevalence of small airways obstruction in a Caucasian population-based study

Brice Touilloux (Fribourg, Switzerland), Alessio Casutt, Cedric Bongard, Benoit Lechartier, Minh Khoa Truong, Christophe Von Garnier

Preconception air pollution/greenness exposure and pregnancy outcomes: The Life-GAP Project

Robin Mzati Sinsamala (Bergen, Norway), Alessandro Marcon, Randi Bertelsen, Christer Janson, Mathias Holm, Lars Modig, Thorarinn Gislason, Torben Sigsgaard, Hans Orru, Camilla Geels, Lise Marie Frohn, Jørgen Brandt, Francisco Gomez Real, Simone Accordini, Iana Markevych, Cecilie Svanes, Ane Johannessen

Obesity and asthma incidence in individuals exposed to agricultural spaces

Ilaria Stanisci (Pisa, Italy), Anna Angino, Sofia Tagliaferro, Giuseppe Sarno, Giovanni Viegi, Sara Maio, Patrizia Silvi, Stefania La Grutta, Salvatore Fasola, Velia Malizia, Isabella Annesi-Maesano, Sandra Baldacci

Pollen exposures in pregnancy and early life are associated with childhood asthma

Rajesh Melaram (Southaven, United States), James Adefisoye, Donald Warden, Stephen Potter, Hasan Arshad, Hongmei Zhang

Air quality may affect emergency department workload: The effect of air pollution on acute exacerbation of chronic obstructive pulmonary disease in Zagreb, Croatia

Marko Banić (Zagreb, Croatia), Lorna Ćorak, Dora Darapi, Robert Likić, Denis Baričević, Miroslav Samaržija, Andrea Vukić Dugac

Education and income may be important predictors for digital health adoption in asthma

Daniela Tellez (San Diego, United States), Elroy Boers, Leanne Kaye, Vy Vuong, Meredith Barrett

USE OF ELECTRONIC CIGARETTES AND HOOKAH IN BRAZIL: A NEW AND EMERGING LANDSCAPE.

Ana Maria Baptista Menezes (Pelotas (RS), Brazil), Fernando C Wehrmeister, Luciana M V Sardinha, Pedro B De Paula, Taina De A Costa, Pedro A Crespo, Pedro C Hallal

Epidemiology of PH-LD and PH-ILD in France: a real-world evidence study

Olivier Sitbon (Le Kremlin-Bicêtre, France), Vincent Cottin, Maria Pini, Catia C Proenca, Miriam Fernández Delgado, Gabriela Bacchini Jeanneret

A systematic review of Theory of planned Behaviour interventions for chronic diseases in low health-literacy settings
BISWAJIT PAUL (Vellore, India), Rita Isaac, Marshall Dozier, Liz Grant, David Weller

Comorbidities in patients with severe COPD reduce quality of life, but do not affect survival
Else-Anna-Maria-Dorothee ter Haar (Groningen, Netherlands), Dirk-Jan Slebos, Karin Klooster, Simon D. Pouwels, Jorine E. Hartman

Dyspnoea in the multinational Burden of Obstructive Lung Disease (BOLD) study
Alexander Müller (Wien, Austria), Emiel Wouters, Sylvia Hartl, Daisy Janssen, André Amaral

UNCOVER – a non-interventional study to investigate undiagnosed severe asthma in Austria
Katharina Marth (Wien, Austria), Karin Patocka, Andreas Renner, Ingrid Stelzmüller, Slagjana Stoshikj, Marco Idzko, Beata Morajda, Robab Breyer-Kohansal, Wolfgang Pohl

Differences in educational level and drinking habits in women with and without COPD in a Danish rural population
Line Bjerrehave Nielsen (Aalborg, Denmark), Signe Juul Riddersholm, Ulla Møller Weinreich

PS-17 in poster area

Session

08:00 - 09:30

Poster session: Basic mechanism in pulmonary hypertension

Disease(s) : Pulmonary vascular diseases

Method(s) : Cell and molecular biology Physiology

Chairs : Frances S. de Man (Amsterdam, Netherlands), Chair to be confirmed

Size does matter: a simple swine model of chronic pulmonary hypertension
Liliana Moreira-Costa (Porto, Portugal), André M Leite-Moreira, Rui Adão, Isabel Miranda, Rui Cerqueira, Frederic Perros, Adelino F Leite-Moreira, André P Lourenço, Pedro Mendes-Ferreira

Targeting ATP Citrate Lyase to mitigate Vascular Remodeling Pathogenesis.
Yann Grobs (quebec, Canada), Charlotte Romanet, Alice Bourgeois, Sarah-Eve Lemay, Tsukasa Shimauchi, Sandra Breuils-Bonnet, Mabrouka Salem, Francois Potus, Steeve Provencher, Pierre Voisine, Olivier Boucherat, Sebastien Bonnet

Proteomic profiling of pulmonary hypertension associated with respiratory disease
Adelaida Bosacoma (Barcelona, Spain), Agustin Garcia, Juan José Lozano, Julia Sidorova, Isabel Blanco, Clara Martín, Olga Tura-Ceide, Victor Ivo Peinado, Diego Rodríguez, Manuel López-Meseguer, Fernanda Hernández-González, Jesús Ribas, Xavier Pomares, Salud Santos, Maria Molina-Molina, Jacobo Sellarés, Joan Albert Barberà

Role of Bone Morphogenetic Protein-9 in the development of Hepatopulmonary Syndrome
Fabien Robert (Le Kremlin Bicêtre, France), Ly Tu, Marie Caroline Certain, Raphael Thuillet, Mina Ottaviani, Audrey Baron, Agnes Castan, Sabine Bailly, Marc Humbert, Olivier Sitbon, Christophe Guignabert, Laurent Savale

The role of miR-146a in the pathophysiology of pulmonary arterial hypertension
Joana Gomes (Porto, Portugal), Pedro Ferreira, Rui Adão, Carolina Rocha, Inês Vasconcelos, Adelino Moreira, Carmen Silva

Selective inhibition of Histone deacetylases reverses vascular remodeling and improves right ventricle function in pulmonary hypertension
Konda Babu Kurakula (Amsterdam, Netherlands), Xiao-Qing Sun, Sebastien Bonnet, Rolf Mf Berger, Harm Jan Bogaard, Marie-José Goumans

The role of BMP9-induced Sema3G in pulmonary vascular stability
Sarah Mirza (Cambridge, United Kingdom), Benjamin Dunmore, Nicholas Morrell

Cannabidiol alleviates cardiac fibrosis probably through inhibiting endothelial-to-mesenchymal transition in rat model of pulmonary hypertension
Anna Krzyżewska (Białystok, Poland), Marta Baranowska-Kuczko, Irena Kasacka, Hanna Kozłowska

Osteopontin in experimental right ventricular remodeling
Argen Mamazhakypov (Bishkek, Kyrgyzstan), Norbert Weissmann, Ardeschir Ghofrani, Ralph Schermuly, Akylbek Sydykov

Targeting DHPS-mediated hypusination of eIF5A improves vascular remodeling in PAH
Sarah-Eve Lemay (Quebec, Canada), Yann Grobs, Sandra Martineau, Mabrouka Salem, Tsukasa Shimauchi, Alice Bourgeois, Sandra Breuils-Bonnet, François Potus, Steeve Provencher, Sébastien Bonnet, Olivier Boucherat

HS135, A Novel Activin and GDF Trap, is Highly Efficacious in Models of Group 1 and Group 2 Pulmonary Hypertension (PH)
Gauthier Schang (Montreal, Canada), Mathilde Poujol De Molliens, Emilie Brûlé, Ariane Sours, Cristina Chauvet, Jean-François Denis, Vannakambadi Ganesh, Gilles Tremblay, Julia Schoelermann, Maureen O'Connor-Mccourt

Empagliflozin improves mitochondrial biogenesis and ameliorates vascular remodeling in experimental pulmonary arterial hypertension

Erik Duijvelaar (Amsterdam, Netherlands), Keimei Yoshida, Xiao-Qing Sun, Beau Neep, Xiaoke Pan, Takayuki Jujo, Yu Yoshida, Jurjan Aman, Frances Sarah Handoko-De Man, Harm Jan Bogaard

Differential responses of pulmonary vascular cells from PAH patients and controls to TNF α and the effect of the BET inhibitor JQ1.

Ian M. Adcock (London, United Kingdom), Sharon Mumby, Stephen Wort, Fred Perros, Marc Humbert, Gaetano Caramori

The Fibronectin-Binding Integrins System as a Contributor to PAH Pathogenesis

Sarah-Eve Lemay (Quebec, Canada), Mónica S Montesinos, Yann Grobs, Tetsuro Yokokawa, Tsukasa Shimauchi, Sandra Breuils-Bonnet, Sandra Martineau, Alice Bourgeois, Mabrouka Salem, Charlie Théberge, Reem El Kabbout, Charlotte Romanet, Min Lu, Xinqiang Huang, James E Dowling, Adrian S Ray, François Potus, Steeve Provencher, Olivier Boucherat, Sébastien Bonnet

SMAD5 as a novel gene for familial pulmonary arterial hypertension

Ding Cao (Heidelberg, Germany), Yuriy Sirenko, Ganna Radchenko, Henning Gall, Ayat Ahmed, Susanne Theiß, Simon Haas, Memoona Shaukat, Zoe Saßmannshausen, Nicola Benjamin, Panagiota Xanthouli, Satenik Harutyunova, Benjamin Egenlauf, Katrin Hinderhofer, Ekkehard Grünig, Magdalena Laugsch, Christina Eichstaedt

Alpha-B crystallin regulates apoptosis in idiopathic pulmonary arterial hypertensive smooth muscle cells

DONGQI XING (Birmingham, United States), R. Chad Wade, Jacelyn E Peabody Lever, Teodora Nicola, Vivian Y Lin, Yixin Wu, Gregory A Payne, Jarrod W Barnes, J. Michael Wells

The matrikine Ac-PGP mediates the pathogenesis of pulmonary hypertension

Xin Xu (Birmingham, United States), Mojtaba Abdul Roda, Dongqi Xing, Jindong Li, Carmel McNicholas-Bevensee, Gregory A Payne, Liliana Viera, Rakesh Patel, J. Michael Wells, Gert Folkerts, J. Edwin Blalock, Amit Gaggar

Synthesis of CeO₂@BSA Nanoclusters for Inhibition of Pulmonary microvascular endothelial Cell Dysfunction and Improvement of Rat Vascular Reconstitution

Ping Yuan (Shanghai, China), Hui Zhao, Wenhui Wu, Yuqing Miao

Role of histone acetyltransferases P300/CBP in pulmonary arterial hypertension and right heart failure

Alice Bourgeois (Québec, Canada), Sarah-Eve Lemay, Yann Grobs, Charlotte Romanet, Sandra Breuils-Bonnet, Mabrouka Salem, Sandra Martineau, François Potus, Steeve Provencher, Olivier Boucherat, Sébastien Bonnet

Remodeling of pulmonary arterial (PA) endothelial basement membrane (BM) triggers smooth muscle cell (SMC) hyperplasia in pulmonary hypertension due to left heart disease (PH-LHD)

Mariya Kucherenko (Berlin, Germany), Netra Nambiar Veetil, Tara Gransar, Shao-Fei Liu, Robert Szulcek, Volkmar Falk, Christoph Knosalla, Wolfgang M. Kuebler

PS-19 in poster area

Session

08:00 - 09:30

Poster session: Seeing is believing: new interventions in respiratory education**Disease(s) :** Airway diseases Respiratory critical care Interstitial lung diseases Thoracic oncology**Method(s) :** General respiratory patient care Respiratory intensive care Endoscopy and interventional pulmonology Public health
Cell and molecular biology Epidemiology Imaging Surgery Palliative care**High-Fidelity Simulation Enhances Trainee Confidence in Lung Cancer Multidisciplinary Team Meetings**

Colette Davidson (Dundee (Angus), United Kingdom), Jessica Little*, Kishen Patel, Ewan Mackay, Karen Tipples, Adam Januszewski, William Ricketts

Radial EBUS Service Evaluation Audit in a U.K University Hospital

Aanchal Mehta (Liverpool, United Kingdom), James Ayathamattam, Suman Paul

The impact of pre-testing on post-test bronchoscopy competence in a simulation setting.

Eveline Gerretsen (Maastricht, Netherlands), Marleen Groenier, Erik Van Der Heijden, Walther Van Mook, Jouke Annema, Frank Smeenk

Patient-Derived iPSC Models of Interstitial Lung Disease: An Evaluation of the Open-ILD COST Innovator Grant Training School

Anja Schweikert (Dublin, Ireland), Sarah Kenny, Irene Oglesby, Arlene Glasgow, Chiara De Santi, Ingrid Gensch, Nico Lachmann, Tifenn Desroziers, Camille Fletcher, Deborah Snijders, Nadia Nathan, Killian Hurley

Flexible bronchoscopy course with simulation improves confidence for junior medical trainees

Harry Mitchell (London, United Kingdom), Rahul Mogal, Andrew Barlow

E-Learning as an interventional element to improve weaning expertise as part of the PRiVENT (prevention of invasive ventilation) project

Julia Dorothea Michels (Heidelberg, Germany), Janina Schubert-Haack, Benjamin Neetz, Katrin Tanck, Gabriele Iberl, Axel Kempa, Claus Neurohr, Alessandro Ghiani, Christoph Andritschky, Armin Schneider, Patrick Gehrig, Simone Britsch, Mascha O. Fiedler, Joachim Szecsenyi, Felix J.F. Herth

The use of social media to raise public awareness for long-term invasive mechanical ventilation: First results of the public relations campaign as part of the PRiVENT project

Franziska Trudzinski (Heidelberg, Germany), Nicola Litke, Olaf Bunttemeyer, Simone Janssen, Axel Kempa, Claus Neurohr, Armin Schneider, Joachim Szecsenyi, Elena Biehler, Thomas Fleischauer, Felix Jf Herth, Julia D. Michels

The optimal inpatient chronic obstructive pulmonary disease algorithm

Farah Madhani-Lovely (Reno, United States), Jason Farnsworth, Charlene Blumethal, Amber Beck, John Lynn

Co-creation of a self-learning programme for patients with asthma: patients' and health professionals' perspectives on the relevant topics

Ana Sá-Sousa (Vila Nova de Gaia, Portugal), Cristina Jácome, Nancy Fonseca, Tânia Rodrigues, Silvana Fernandes, Emília Dias Da Costa, Rita Amaral, Paula Matos, Margarida Areia, Liliana Dias, Marisa Vilaverde, Cláudia Chaves Loureiro, José Laerte Boechat, Daniela Figueiredo, Ana Luisa Neves, Pedro Simões, Luís Taborda Barata, João Almeida Fonseca

Mobile application for asthma patients: is there an interest?

sofia Farhat (agadir, Morocco), Nada Boutbagha, Hanane Ikrou, Houssame Ennaceri, Abdelmajid Oulahbib, Younes Essaid, Oussama Halloumi, Aboubakr Imzil, Abdelkarim Khannous, Khadija Ait Nacer, Fatiha Bounoua, Hind Serhane, Houda Moubachir

Inhaler technique in a pediatric emergency department: Impact of an educational intervention among healthcare professionals in Greece

Elpis Hatziagorou (Panorama, Thessaloniki, Greece), Athina Karageorgiou, Fotios Kyrvasillis, Elissavet-Anna Chrysochoou, John Tsanakas

An assessment of the information and educational needs of patients and caregivers of people with primary ciliary dyskinesia: an ERS clinical research collaboration

Jobst Röhm (Berlin, Germany), Laura Behan, Myrofora Goutaki, Amelia Shoemark, Jeanette Boyd

Assessment of thoracic ultrasound skills in immersive virtual reality

Anders Bo Nielsen (Odense C, Denmark), Niels Jacobsen, Christian Laursen, Lars Konge, Pia Iben Pietersen

Application of big data analysis and telemedicine technology to screening and treatment in COVID-19

Hung-Chueh Peng (Douliou, Taiwan), Chung-Yu Chen, Matthew Huei-Ming Ma, Juey-Jen Hwang

Management of breathlessness: an ERS early career members online survey

Inès Zitouni (Cergy, France), Maria Joana Pereira Catarata, Carolina Gotera, Niki Ubags, Thomas Gille, Hilario Nunes, Anne Claire Toffart, Maxime Patout, Boris Duchemann

The impact of COVID-19 on early career members (ECMs): an ERS ECM survey

Thomas Gille (Bobigny, France), Maxime Patout, Niki Ubags, Sheila Ramjug, Jana De Brandt, Tiago Alfaro, Merel Hellemons, Lowie E G W Vanfleteren, Joana Cruz, Catharina C. Moor, Carolina Gotera, Orianne Dumas, Marc Humbert, Anita Simonds

Respiratory education in Germany - an online-based survey of final-year medical students and chief physicians

Erik Büscher (Düsseldorf, Germany), Espen E. Groth, Julia Wälscher, Thomas Bahmer, Matthias Raspe, Nina Sicker, Christoph Fisser

Impact of an international medical education collaboration between industry and medical associations

Ebru YILDIZ (Istanbul, Turkey), Bhumika Aggarwal, Sudeep Acharya, Gur Levy

Internationally use of objective structured clinical examination (OSCEs) in respiratory training: an ERS early career member survey

Etienne-Marie Jutant (Paris, France), Lucile Sese, Maeva Zysman, Thomas Gille, Jonathan Messika, Bernard Maître, Maxime Patout

PS-7 in poster area

Session

08:00 - 09:30

Poster session: Biomarkers in chronic obstructive pulmonary disease

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Physiology Cell and molecular biology Epidemiology Pulmonary function testing Public health

Chairs : Louise Donnelly (London, United Kingdom)

Endothelial dysfunction markers in patients with chronic obstructive pulmonary disease
Olga Sadovenko (Kharkiv, Ukraine)

Phenotypes and cluster analysis as predictors of survival in a real-life COPD cohort (RETRO-POPE Study)
Vladimir Koblizek (Hradec Králové, Czech Republic), Branislava Milenkovic, Michal Svoboda, Jana Kocianova, Stanislav Holub, Vladimir Zindr, Miroslav Ilic, Jelena Jankovic, Vojislav Cupurdija, Jiri Jarkovsky, Boris Popov, Arschang Valipour

Airway epithelial TSLP production is increased in COPD patients
Lynda SABER CHERIF (Reims, France), Maeva-A Devilliers, Jeanne-Marie Perotin, Julien Ancel, Delepine Gonzague, Myriam Polette, Gaetan Deslee, Valérian Dormoy

FENO50 stability over a 2-year period in relation to COPD outcomes
Marieann Högman (Uppsala, Sweden), Christer Janson, Andreas Palm, Björn Stållberg, Kristina Bröms, Karin Lisspers, Maria Hårdstedt, Andrei Malinovsky

Optimising research bronchoalveolar lavage in COPD and alpha-1 antitrypsin deficiency
Malcolm Herron (Dublin, Ireland), Daniel Fraughen, Suzanne Roche, Lasya Kanchi, Emma Leacy, Lameese Alhaddah, Ronan Heeney, Tomas Carroll, Mark Murphy, Noel Gerard McElvaney

Hyperkalemia is an underestimated risk factor in COPD: a retrospective study from two Phase 3 trials
Jukka Mäenpää (Mölndal, Sweden), Isobel Anderson, Caroline A. Owen, Ulrika Emerath, Rod Hughes, Stefan Sultana, Marita Olsson

Functional characterization of FoxP3+ regulatory T cells in Chronic Obstructive Pulmonary Disease
Anjana Talwar (Noida (Uttar Pradesh), India), Meghashree Sampath, Geetanjali Bade, Randeep Guleria, Sudip Sen, Anant Mohan

Comparison of stable state and historic blood eosinophil counts in COPD patients at the GOLD guideline thresholds.
Arun Prasad (North Shields, United Kingdom), Carlos Echevarria, John Steer, Stephen. C. Bourke

Blood-biomarkers to assess acute respiratory events (ARE) risk in COPD and chronic bronchitis (CB)
Jun Chen (, China), Yanqiu Wu, Tao Wang, Shuling Hu, Fuqiang Wen, Paul Jones, Nanshan Zhong

Associations between serum Humanin levels and outcomes in stable COPD.
Carlos Antonio Amado Diago (Santander (Cantabria), Spain), Paula Martin-Audera, Juan Agüero-Calvo, Mayte García-Unzueta, Bernardo Alio Lavin, Armando Raul Guerra, Ana Berja, Tamara Quijano, Cristina Ghadban

Can we predict the prognosis of COPD with a routine blood test?
Améni Nâaroura (Tunis, Tunisia), Jihen Ben Amar, Hend Ouertani, Emna Ben Jemia, Haifa Zaibi, Hichem Aouina

Burden of disease in COPD, stratified by eosinophils levels: a UK biobank study
Catia C Proenca (Basel, Switzerland), Oscar Dumoulin, Aurélie Chekroun Martinot, Pepi Hurtado, Mathieu Rose

Dynamics of iron content in bronchoalveolar fluid in COPD patients
Alla Zuban (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Mariana Kulynych-Miskiv, Iryna Savelikhina, Oleksandr Varunkiv, Iryna Makoida, Olha Melnyk-Sheremeta

Study to analyze factors responsible for readmission within 90 days in COPD patients in tribal area of central India.
Rudrika Pushpraj Bhatele (Jabalpur, India), Sandeep Singh, Sanjay Bharty

The role of RNA binding proteins in eosinophilic COPD.
Ilektra Voulgareli (Αθήνα, Greece), Maria Semitekolou, Ioannis Morianos, Myrto Blizou, Spyridon Papiris, Georgios Hillas, Petros Bakakos, Stylianos Loukides

Novel spirometric parameters of the flow volume curve in COPD.
James Dean (Holmes Chapel, United Kingdom), Stephen Fowler, Dave Singh

Influence of tobacco-smoking on serum amyloid A (SAA) level in stable COPD patients.
Bohdana Basina (Dnipropetrovsk, Ukraine), Daria Koval

Clinical significance of serum oxidative stress in COPD patients
Keitaro Nakamoto (Tokyo, Japan), Masato Watanabe, Masaoki Saito, Keisuke Kasuga, Chika Miyaoka, Yuki Yoshida, Aya Hirata, Hiroki Nunokawa, Junpei Aso, Yasuo Nakamoto, Manabu Ishida, Kojiro Honda, Saori Takata, Takeshi Saraya, Masafumi Shimoda, Yoshiaki Tanaka, Mikio Saotome, Ken Ohta, Haruyuki Ishii

Could red cell distribution width predict COPD severity?
Améni Nâaroura (Tunis, Tunisia), Jihen Ben Amar, Hend Ouertani, Emna Ben Jemia, Haifa Zaibi, Hichem Aouina

Association of Interleukin-6 and Tumor necrosis factor alpha with COPD severity:

safa marzouki (ben arous, Tunisia), Abir Hedhli, marzouki safa, S Hajtaeib, Khadija Echi, Lilia Laadhar, Yassine Ouahchi, Sana Cheikhrouhou, Sonia Toujani, M Sellami, Meriem Mjid, Besma Dhahri

PS-5 in poster area**Session****08:00 - 09:30****Poster session: New insights in positive airway pressure therapy****Disease(s) :** Sleep and breathing disorders Respiratory critical care**Method(s) :** General respiratory patient care Pulmonary rehabilitation Public health Epidemiology Physiology**Chairs :** Matteo Bradicich (Zollikerberg, Switzerland)**Predictors for CPAP pressure titration in obstructive sleep apnea syndrome; could Baveno classification be helpful?**

Ahmed Ehab (Schwaikheim, Germany), Axel T. Kempa, Harald Englert, Shaza Almasri Bittar, Aida M. Yousef, Heba Wagih Abdelwahab

Usefulness of nocturnal oximetry (NOxi) following positive airway pressure (PAP) initiation

Clara Bianquis (Saint-Prix, France), Vanessa Bironneau, Cécile Londner, Carole Philippe, Inès Zaien, Valérie Attali, Garance Vaillant, Bérénice Soye, Stéphane Attard, Gum Suk Cabrillac, Isabelle Arnulf, Justine Frija-Masson, Maxime Patout

TRANSCUTANEOUS CAPNOGRAPHY AS A MONITOR OF POSITIVE AIRWAY PRESSURE TREATMENT

Jorge Rodriguez Sanz (ZARAGOZA (SPAIN), Spain), María Aguado Agudo, Marta Miranda Hernández, Luisa Margarita Cabrera Pimentel, María Teresa Martín Carpi

Prevention of obstructive apnea events with machine learning

Hamed Hanafi (Halifax (NS), Canada), Julia Paffile, Meagan Sinclair, Kamal El-Sankary, Scott Lowe, Sageev Oore, Stephen Driscoll, Thomas Penzel, Ingo Fietze, Sanjay Patel, Reena Mehra, Debra Morrison

The efficiency of azelastine hydrochloride and fluticasone propionate nasal spray to improve PAP adherence in patients with obstructive sleep apnea

Rachata Wongchan (Pathumthani., Thailand), Chatkarin Tepwimonpetkun

Current treatment strategies in managing side effects associated with domiciliary Positive Airway Pressure (PAP) therapy for patients with sleep disordered breathing: A systematic review and meta-analysis

Stephanie K. Mansell (Guildford (Surrey), United Kingdom), Nikesh Devani, Amar Shah, Swapna Mandal, Silvia Schievano, Eleanor Main

Evaluation of CPAP adherence in non-obese and obese obstructive sleep apnoea patients

Liam Chilton (Hull, United Kingdom), Harriet Hearn, Shoaib Faruqi

Factors influencing the CPAP therapeutic adherence in women with obstructive sleep apnea (OSA)

Bárbara Gracia Hernández (Huelva, Spain), Alberto González Hernández, Ana Belén Rodríguez Gómez, Jessiva Ivana Hilaes Vera

Compliance with continuous positive airway pressure in the military: a Tunisian study

Hana Mrassi (Tunis, Tunisia), Islam Mejri, Marwa Kacem, Chiraz Aichaouia, Samira Mhamdi, Zied Moatemri

Early predictors of long-term PAP compliance

Andrew Scott (Brisbane (QLD), Australia), James Howell, Travis Bell, Judy Carter, Luca Maioli, Alex Bruce

Investigating associations between social determinants, self-efficacy measurement of sleep apnea and CPAP adherence: the SEMSA study

Sébastien Bailly (Grenoble, France), Thibaut Gentina, Elodie Gentina, Bernard Douay, Jean-Arthur Micoulaud, Jean-Louis Pépin

Heathy adherer effect and positive airway pressure therapy of obstructive sleep apnea

Claire Launois (Reims, France), Sébastien Bailly, Wojciech Trzepizur, François Goupil, Thierry Pigeanne, Laurene Leclair-Visonneau, Phillippe Masson, Aya Bizieux-Thaminy, Nicole Meslier, Sandrine Kerbrat, Frédéric Gagnadoux

Effects of CPAP and its withdrawal on nocturnal blood pressure and sleepiness in obstructive sleep apnea – a two-phase interventional trial

Joël Julien Herzig (Zürich, Switzerland), Robin Mozolowski, Martina Meszaros, Malcolm Kohler, Silvia Ulrich, Esther Irene Schwarz

Continuous Positive Airway Pressure effects on electrocardiographic manifestations of Severe Obstructive Sleep Apnea

Amal Saidani (Bizerte, Tunisia), Fateh Kadardar, Sofiene Haboubi, Mouna Hacheni, Wiem Satouri, Hedi Ben Slima

Peak airflow-triggered adaptive servo-ventilation improves sleep structure of patients with heart failure and sleep apnea

Shoichiro Yatsu (Toronto, Canada), Christian M. Horvath, John S. Floras, Alexander G. Logan, Clodagh M. Ryan, T. Douglas Bradley

SUBJECTIVE HRQOL IN PATIENTS WITH SLEEP APNOEA SYNDROME WHO UNDERWENT PAP THERAPY IN A REHABILITATION SETTING: A FOLLOW-UP STUDY

Francesco Fanfulla (Pavia (PV), Italy), Antonia Pierobon, Martina Vigore, Eugenia Taurino, Gemma Grassi, Valeria Torlaschi, Marina Maffoni, Rita Maestroni, Roberto Maestri

Sleep apnea and psoriasis: a multidisciplinary approach

Patrizia Pochetti (Vercelli, Italy), Beatrice Ragnoli, Beatrice Bacco, Ginevra Pertusi, Mario Malerba

Insights from a hospitalised domiciliary NIV (DNIV) population: the use of DNIV data.

Lynn McDonnell (London, United Kingdom), Stephanie Mansell, Rhiannon Parry, Swapna Mandal

Ventilation mask choice: development of a custom made test bench

Baptiste Rouchié (Bagneux, France), Clara Virbel-Fleischman, Yann Retory, Alexandra Schmidt, Giorgio Mattana, Benoit Piro, Emilie Bequignon, Bruno Louis, Steeve Reisberg

Ventilation mask choice: feedbacks by 72 Health professionals through pointing area diagrams

Baptiste Rouchié (Bagneux, France), Maxime Fieux, Clara Virbel-Fleischman, Yann Retory, Alexandra Schmidt, Emilie Bequignon

PS-12 in poster area**Session****08:00 - 09:30****Poster session: Best posters in respiratory physiotherapy****Disease(s) :** Respiratory critical care Interstitial lung diseases Airway diseases Thoracic oncology**Method(s) :** Pulmonary rehabilitation General respiratory patient care Public health Pulmonary function testing Transplantation Physiology**Chairs :** Andre Nyberg (Umeå, Sweden), Melda Saglam (Ankara, Turkey)**Effects of pulmonary rehabilitation on cough-related quality of life in people with chronic respiratory disease**

Ana Sofia Brites Grave (Alcobaça, Portugal), Maria Aurora Mendes, Dina Brooks, Alda Marques, Ana Oliveira

Can we use creative dance as exercise training for chronic obstructive pulmonary disease? A randomized controlled trial

Meltem Kaya (İstanbul, Turkey), Hulya Nilgun Gurses, Fatmanur Okyaltirik

Effects of pulmonary rehabilitation in hematopoietic stem cell transplantation recipients: A randomized controlled study

Meral Bosnak Guclu (Ankara, Turkey), Selin Bayram, Gülşah Barğı, Zeliha Çelik

Effects of self-management interventions in people with interstitial lung disease - systematic review and meta-analysis

Ana Oliveira (Aveiro, Portugal), Steve Freitas Dos Santos, Alda Marques, Patrícia Rebelo, Dina Brooks, Adam Benoit

Effectiveness of inspiratory muscle training in chronic respiratory diseases: an overview of systematic reviews of clinical randomised trials

Elena Gimeno-Santos (Barcelona, Spain), Rodrigo Torres-Castro, Saul Caicedo-Trujillo, Ruvistay Gutierrez-Arias, Xavier Alsina-Restoy, Luis Vasconcello-Castillo, Agustin R. Garcia, Pamela Seron, Martijn Spruit, Isabel Blanco, Jordi Vilario

The effect of incentive spirometry in addition to comprehensive chest physiotherapy on length of hospital stay and hemodynamic responses in patients with COPD exacerbation

Hilal Denizoglu Külli (Istanbul, Turkey), Meltem Kaya, Hikmet Ucgun, Melih Zeren, Fatmanur Okyaltirik, Hulya Nilgun Gurses

Effects of non-invasive ventilation on exercise performance in heart failure patients: a double blind, randomized cross-over trial

Rodrigo Torres Castro (Barcelona, Spain), Guillermo Mazzucco, Leonardo Intelangelo, Ana Lista-Paz, Nicola Chichizola, Juan Pablo Escalante, Gonzalo Veiga, Leire Mendiluce-Ochandorena, Ane Arbillaga Etxarri

Efficacy of community long-term ventilation for obstructive lung disease associated with chronic hypercapnic respiratory failure: a service evaluation

Bethan Clayton (Manchester, United Kingdom), Verity Ford, Aashish Vyas

Self-selected music listening during pulmonary rehabilitation in people with COPD: a multi-centre, randomised controlled trial.

Annemarie Lee (Melbourne (VIC), Australia), Stacey Butler, Peter Jung, Jeanette Tamplin, Imogen Clark, Roger Goldstein, Dina Brooks

Characteristics and benefits of responders to a behavioral intervention to increase physical activity in asthma: preliminary data from a pragmatic study

Fabiano de Lima (São Paulo, Brazil), Adriana Lunardi, David Pinheiro, João Victor De Souza, Rafael Stelmach, Rosana Agondi, Pedro Giavina-bianchi, Regina Carvalho-Pinto, Celso Carvalho

EFFECTS OF EXPIRATORY MUSCLE TRAINING IN PATIENTS WITH BRONCHIECTASIS

Ayşenur Yılmaz (Denizli, Turkey), Orçin Telli Atalay, Göksel Altınışik

Comparison of the Effects of Video Game-Based Breathing Exercises and Conventional Breathing Exercises in Children and Adolescents with Non-Cystic Bronchiectasis

Hikmet Uçgun (Istanbul, Turkey), Hulya Nilgun Gurses, Erkan Cakir

Physical activity on physiotherapy days versus non-physiotherapy days after an AECOPD

Marieke Wuyts (Laeken, Belgium), Fien Hermans, Sofie Breuls, Stephanie Everaerts, Eric Derom, Wim Janssens, Heleen Demeyer, Thierry Troosters

The Borg Cycle Strength Test (BCST) for prescribing supramaximal high-intensity interval training (HIIT) in COPD

Jana De Brandt (Umeå, Sweden), Johan Jakobsson, Mattias Hedlund, Anna-Clara Rullander, Thomas Sandström, André Nyberg

A comparison of upper extremity functional capacity in lung transplant recipients and healthy controls

Ebru Calik Kutukcu (Ankara, Turkey), Ulas Ar, Erdal Yekeler

Upper extremity exercise capacity, physical activity levels and quality of life in patients with lung cancer underwent pneumonectomy

Gülsüm Serttaş Güven (Burdur, Turkey), Meral Boşnak Güçlü, Nur Dilvin Özkan Koyuncuoğlu, İsmail Cüneyt Kurul, Ali Çelik

Comorbidities and physical activity in patients after lung transplantation

Sofie Breuls (Leuven, Belgium), Astrid Blondeel, Marieke Wuyts, Wim Janssens, Robin Vos, Thierry Troosters, Heleen Demeyer

Validation of walking trails for people with COPD

Nicola Sante Diciolla (Madrid, Spain), Alda Marques, Ana Sofia Grave, Cíntia Dias, Guilherme Rodrigues, Maria Gomes, E. Samuel Santos, Zulmira Pereira, Luisa Pereira, Patricia Rebelo

Validity of the Fitbit Charge 4 to measure daily steps, oxygen saturation and resting heart rate in patients with COPD

Fien Hermans (Gent, Belgium), Astrid Blondeel, Eva Arents, Patrick Calders, Thierry Troosters, Eric Derom, Heleen Demeyer

Cut-off of the chester step test to detect functional impairment and mortality risk according to the 6MWT in ILD

Cátia Paixão (Aveiro, Portugal), Ana Alves, Ana Sofia Grave, Pedro G Ferreira, Francisca Teixeira Lopes, M Aurora Mendes, José Coutinho Costa, Dina Brooks, Alda Marques

PS-1 in poster area**Session****08:00 - 09:30****Poster session: Emerging evidence in COVID-19****Disease(s) :** Interstitial lung diseases Airway diseases Respiratory critical care Pulmonary vascular diseases**Method(s) :** Public health Imaging Physiology Pulmonary function testing General respiratory patient care Pulmonary rehabilitation Cell and molecular biology Epidemiology**COVID-19 and pregnancy: experience of observations in the city perinatal center in 2021-2022 years**

Nataliia Kravchenko (Dnipro, Ukraine), Hanna Harahulia, Olha Cherkasova, Ludmila Havrysh, Kateryna Kaira

Improved dyspnea, fatigue, respiratory and peripheral muscle strength, exercise capacity, and quality of life after exercise training in post-COVID-19

Deniz Inal-Ince (Ankara, Turkey), UKBE SIRAYDER, Busra Kepenek-Varol, Cihangir Acik

COVID 19 pneumonia in young subject: what's special?

Sabrine Majdoub Fehri (Nabeul, Tunisia), Imen ketata, Wafa Medi, Rahma Sellami, Racem Ammar, Hamida Kwas

Correlation of clinical, radiological outcomes and novel KL-6 biomarker levels in COVID-19 survivors one year post-ICU

Nathalie De Vos (Bruxelles, Belgium), Marie Bruyneel, Audrey Chirumberro, Stephanie Andre, Alain Roman, Marc Claus, Anne-Violette Bruyneel, Stephane Alard, Frederic Cotton

Follow-up of COVID 19 survivors: 3 years after

NADA Boutbagha (Agadir, Morocco), Abdelkarim Khannous, Fatiha Bounoua, Sofia Farhat, Hannane Ikrou, Younes Essaid, Aboubaker Imzil, Oussama Halloumi, Khadija Aitnasser, Abdelmajid Oulabbib, Houssame Ennaceri, Houda Moubachir, Hind Serhane

Impact of hospitalization for COVID-19 on attitude toward vaccination: Experience of a French hospital

Geoffroy Mery (Grenoble, France), Anne Conrad, Amandine Viccica, Marie Simon, Pierre Pradat, Jean-Christophe Richard, Florence Ader, Gilles Devouassoux

Small airways obstruction is present in Covid-19 pneumonia's acute period.

Immanuels Taivans (Riga, Latvia), Gunta Strazda, Normunds Jurka, Valentina Gordjushina

Attitude And Behavior Of Healthcare Workers And General Public Towards SARS-CoV-2 Vaccination After The Rollout Of COVID-19 Vaccines

Raza Ullah (Peshawar, Pakistan), Shahida Naz, Haleem Gul Janan

Oxygenation Parameters as Predictors of Clinical Outcomes in Moderate Covid-19 Infection: A Retrospective Cohort Study

Eliezer James Aguila (Pasig, Philippines), Tim Trinidad

Two years mortality in patients with impaired glucose tolerance after COVID-19 pneumonia

Nikolay Kyuchukov (Pleven, Bulgaria), Zlatina Ivanova, Yavor Ivanov

Factors associated with poor prognosis and increased costs in COVID-19 pneumonia

Nikolay Kyuchukov (Pleven, Bulgaria), Zlatina Ivanova, Yavor Ivanov

SARS-CoV-2 pneumonia: contribution of the PSI score in the prediction of hospital mortality

Hend Ouertani (Tunis, Tunisia), Haifa Zaibi, Khouloud Chaabi, Emna Ben Jemia, Jihen Ben Amar, Wafa Aissi, Hichem Aouina

Development of vanishing lung syndrome in patients with COVID-19 pneumonia

Galyna Gumeniuk (Kyiv, Ukraine), Viktoria Ignatieva, Mykola Gumeniuk, Maryna Polianska, Mykola Lynnyk, Svitlana Opimakh, Inna Zvol, Oleh Yakovenko

Formerly hospitalized patients treated with remdesivir presented less respiratory post-COVID symptoms

Enikő Bárczi (Budapest, Hungary), Lőrinc Polivka, Alexandra Nagy, Gábor Horváth, Veronika Müller

Predicting clinical worsening among hospitalized patients with COVID-19

Lancelot Pinto (Mumbai (Maharashtra), India), Pb Aswin, Ananya Prabhugate, Aditi Erande, Zarir Udwadia, Jai Mullerpattan, Ayesha Sunavala, Radhika Banka, Pooja Mirchandani, Manali Kamble

Neutrophil/lymphocyte ratio and mortality of hospitalized COVID-19 patients: a cohort study

Robson Prudente (Botucatu (SP), Brazil), Estefânia Franco, Luiz Machado, Luís Brizola, Maércio Santos, Edris Savadkouhi, Camila Colombo, Mariana Dorna, Suzana Tanni

Small airways disease and lung parenchyma post COVID-19: 9 month follow up

Katarzyna Plewka-Barcik (Warsaw, Poland), Krzysztof Klos, Renata Rozynska, Ewa Pietruszka, Magdalena Zabicka, Marta Kania-Pudlo, Artur Maliborski, Karina Jahnz-Rozyk, Andrzej Chcialowski

Contribution of chest tomography (CT) in the evaluation of post- covid-19 sequelae

Selsabil Daboussi (Tunis, Tunisia), Ameni Naaroura, Samira Mhamedi, Safa Marzouki, Houda Snoussi, Chiraz Aichaouia, Zied Moetemri

The rs16969968 tobacco smoking-related single-nucleotide variant is associated with clinical markers in patients with severe COVID-19

Gloria Pérez Rubio (México, Mexico), Ramcés Falfán-Valencia, Daniela Valencia-Pérez Rea, Ingrid Fricke-Galindo, Ivette Buendía-Roldán, Leslie Chávez-Galán, Karol Nava-Quiroz, Jesús Alanis-Ponce

Diagnostic performance of D-dimer in pulmonary embolism in patients with COVID19

Haifa Zaibi (Tunis, Tunisia), Khouloud Chaabi, Hend Ouertani, Safia Othmani, Emna Ben Jemia, Jihen Ben Amar, Hana Hedhli, Hichem Aouina

PS-3 in poster area

Session

08:00 - 09:30

Poster session: Chronic obstructive pulmonary disease diagnosis and management in primary care

Disease(s) : Airway diseases Respiratory critical care

Method(s) : General respiratory patient care Epidemiology Pulmonary function testing Public health Pulmonary rehabilitation

Sex differences in mortality among COPD patients: the French Palomb Cohort.

Nolwenn Jestin-Guyon (Bordeaux, France), El Hassane Ouailaya, Laurent Falque, Laurent Nguyen, Annaig Ozier, Alain Bernady, Emilie Berteaud, Julien Casteigt, Frédéric Le Guillou, Jean Moinard, Mohamed Staali, Cécilia Nocent, Mathieu Molimard, Chantal Raherison-Semjen

Chronic respiratory disease in patients with excluded coronary artery disease: a prospective pilot study.

Christoph Beyer (Innsbruck, Austria), Anna Boehm, Alex Pizzini, Philipp Grubwieser, Gudrun Feuchtnr, Axel Bauer, Guenter Weiss, Judith Loeffler-Ragg, Guy Friedrich, Fabian Plank

COUGH AND SPUTUM PRODUCTION ARE ASSOCIATED WITH AGE AND TOTAL NUMBER OF EXACERBATION/PATIENT/YEAR IN COPD SUBJECTS.

Karim KHENNOUF (ALGIERS, Algeria), Souad Souilah, Yacine Benbetka, Abdelkarim Saadi, Samya Taright

A qualitative study exploring current spirometry provision in England and the potential role of Artificial Intelligence

Gillian Doe (Leicester, United Kingdom), Steph Taylor, Marko Topalovic, Richard Russell, Rachael Evans, Julie Maes, Karolien Van Orshoven, Anthony Sunjaya, David Scott, Toby Prevost, Ethaar El-Emir, Jennifer Harvey, Nick Hopkinson, Samantha Kon, Suhani Patel, Ian Jarrold, Nanette Spain, Will Man, Ann Hutchinson

Prediction of respiratory diagnosis using an AI-model with exhaled H2O2

Lauren Fox (Southampton, United Kingdom), Leon Gerard D'Cruz, Milan Chauhan, Alexander Hicks, Thomas Brown, Anoop J Chauhan

Belgian General Practitioners' perspectives on the use of spirometry in primary care: a qualitative study

Julie Maes (Leuven, Belgium), Sofie Willaert, Marko Topalovic, Jan Y Verbakel

ABE assessment of chronic obstructive pulmonary disease (COPD) patients.

ANUJ KUMAR PANDEY (Lucknow, India), Ajay Kumar Verma, Surya Kant, Arpita Singh, Jyoti Bajpai

First Real-World Evidence on budesonide/glycopyrronium/formoterol fumarate (BGF) use for COPD patients in France (ENARXI study): an interim analysis

Gaëtan Deslee (Reims, France), Nolwenn Pocard, Caroline Fabry-Vendrand, Delphine Leynaud, Gabriel Thabut, Caroline Eteve-Pitsaer, Adrien Coriat, Idir Ghout, Henri Leleu

The impact of providing a COPD action plan with an exacerbation prescription on health service use

Dong Yao (Donald) Wang (London, Canada), Anna Hussey, Madonna Ferrone, Christopher Licskai

Effectiveness of a combined intervention to improve continuity of care in patients with chronic obstructive pulmonary diseases; a case study for a district hospital in Thailand

Piyawan Kuwalairat (Chumphon, Thailand), Soodruetai Ratanaopas

The Effectiveness and Acceptability of an Innovative GP-Physiotherapist Partnership for Chronic Obstructive Pulmonary Disease

Lisa Pagano (CONCORD, Australia), Zoe Mckeough, Sally Wootton, Nick Zwar, Andrew S.L Chan, Sriram Mahdev, Deborah Pallavicini, Sarah Dennis

Patient perspectives on treatment preference and adherence to treatment for chronic obstructive pulmonary disease

Miguel Román Rodríguez (Palma De Mallorca, Spain), Ilona McMullan, Michelle Warner, Christopher Compton, Raj Sharma, Ruth Tal-Singer, Meilan Han

Early treatment intervention and long-term management in COPD: a patient-focused analysis

Miguel Román Rodríguez (Palma De Mallorca, Spain), Ilona McMullan, Michelle Warner, Christopher Compton, Raj Sharma, Ruth Tal-Singer, Meilan Han

Mapping barriers to referral of COPD patients for pulmonary rehabilitation in the primary care setting using theoretical domain framework: a scoping review.

Viviana Orena Chávez (Cambridge, United Kingdom), Ellie O'Keeffe, Frances Early, Jonathan Fuld, Steve Morris

Personalized treatment through a Dry Powder inhaler device (DPI), adjustable to Chronic Obstructive Pulmonary Disease (COPD) patient's respiratory profile

Konstantinos Zarogoulidis (Thessaloniki, Greece), Nikolaos Michailidis, Dimitra Siopi, Theodora Tsiouda, Anatoli Theodoridou, Ourania Koltsida, Aggeliki Rapti, Dimitrios Petridis, Konstantinos Porpodis, Georgios Babalis, Savvas Petanidis, Diamantis Chloros

Home intervention for patients with moderate-severe COPD and co-morbidities by Pharmacists and Physicians: methods and baseline characteristics from a pilot RCT

David Anderson (Glasgow, United Kingdom), Richard Lowrie, Frances Mair, Aziz Sheikh, Jennifer Anderson, Lynda Attwood, Gillian Cameron, Nicola Greenlaw, Fiona Hughes, Emily Kennedy, Emma McIntosh, Andrew Mcpherson, Jane Moir, Donald Noble, Samuel Owusu Achiaw, Elaine Rankine, Bethany Stanley

Management of COPD Exacerbation, a Prediction tool for exacerbation in General Practitioners based Swiss Chronic Obstructive Pulmonary Disease (COPD) cohort

Nebal Abu Hussein (Basel, Switzerland), Stephanie Giezendanner, P. O. Bridevaux, Th. Geiser, Ch. Von Garnier, L. Joos Zellweger, M. Kohler, D. Miedinger, Z. Pasha, R. Thurnheer, M. Tamm, J. D. Leuppi

Mortality and readmission after COPD exacerbation-related hospitalization: an individual patient data meta-analysis

Kiki Waeijen-Smit (Horn, Netherlands), Mieke Crutsen, Spencer Keene, Marc Miravittles, Ernesto Crisafulli, Antoni Torres, Christian Mueller, Philipp Schuetz, Thomas J. Ringbæk, Fabio Fabbian, Evgeni Mekov, Timothy H. Harries, Chung-Tat Lun, Begum Ergen, Cristóbal Esteban, Jose M. Quintana Lopez, José Luis López-Campos, Catherina L. Chang, Robert J. Hancox, Eskandarain Shafuddin, Hollie Ellis, Christer Janson, Charlotte Suppli Ulrik, Gunnar Gudmundsson, Danny Epstein, José Dominguez, Alicia Lacoma, Christian Osadnik, Inmaculada Alia, Francesco Spannella, Zuhair Karakurt, Hossein Mehravaran, Cecile Utens, Martijn D. De Kruif, Fanny Wai San Ko, Samuel P. Trethewey, Alice M. Turner, Dragos Bumbacea, Patrick B. Murphy, Kristina Vermeersch, Shani Zilberman-Itskovich, John Steer, Carlos Echevarria, Stephen C. Bourke, Nicholas Lane, Jordi De Batlle, Roy T. M. Sprooten, Richard Russell, Paola Faverio, Jane L. Cross, Hendrik J. Prins, Martijn A. Spruit, Sami O. Simons, Sarah Houben-Wilke, Frits M. E. Franssen

Relationship between Hemoglobin Concentration and Mortality in patients with COPD: a Nationwide Cohort Study in South Korea

Da Hye Moon (Chuncheon (Gangwon-do), Republic of Korea), Eunju Lee, Yeonjeong Heo

PS-2 in poster area

Session

08:00 - 09:30

Poster session: Pulmonary physiology: implications for pulmonary rehabilitation

Disease(s) : Airway diseases Interstitial lung diseases Respiratory critical care

Method(s) : Epidemiology Physiology General respiratory patient care Pulmonary rehabilitation Cell and molecular biology Respiratory intensive care Pulmonary function testing

Chairs : Audrey Borghi Silva (São Carlos (SP), Brazil)

CPET in Long COVID (LC) patients (pts) with dyspnea and fatigue

Paraskevi Katsaounou (Athens, Greece), Archodoula Adonoglou, Adreas Asimakos, Stavroula Spetsioti, Pandelis Gounopoulos, Eleni Kostantinidou, Dimitris Spagoulakis, Stavros Patrinos, Adonis Kodaxakis, Aspasia Mavronassou, Martha-Spyridoula Katsarou

Combined Respiratory Muscle Training improves Long Covid symptoms - results from the Covid Virtual Recovery Study

Nina Bausek (Gloggnitz, Austria), Meredith, G Shea, Courtney, M Wheatley-Guy, Bruce Johnson

Effects of manuel therapy and inspiratory muscle training on respirotary functions, fatigue and activities in children with muscular disease

Burcu Işıkci (ZEYTİNBURNU, Turkey), Ahu Gizem Akkuş, Yasemin Buran Çırak, Gül Deniz Yılmaz Yelvar, Nurgül Dürüstkan Elbaşı, Yunus Emre Tütüneken, Kübra Kardeş

Physiological effects of nasal high flow therapy in people with chronic obstructive pulmonary disease during exercise.

Tristan Bonnevie (Saint Léger Du Bourg Denis, France), Francis-Edouard Gravier, Pauline Smondack, Helena Brunel, Yann Combret, Clément Médinal, Guillaume Prieur, Fairuz Boujibar, Thomas Similowski, Jean-François Muir, Antoine Cuvelier, Maxime Patout

Clinical assessment of endothelial function in patients with chronic obstructive pulmonary disease undergoing pulmonary rehabilitation

Claudio Candia (Naples, Italy), Pasquale Ambrosino, Giuseppina Marcuccio, Silvestro Ennio D'Anna, Salvatore Fuschillo, Roberto Formisano, Lucia Abagnale, Anna Lanzillo, Antonio Molino, Mauro Maniscalco

Effectiveness assessment of oscillating positive expiratory pressure (OPEP) devices: Using a clinically relevant laboratory measure

Jason Suggett (London (ON), Canada), Rob Costa

Estimation of the minimal important difference (MID) for the 1 repetition max (1RM) in COPD

George D Edwards (Ilford, United Kingdom), Suhani Patel, Timothy Jenkins, Karen A Ingram, William D-C Man, Claire M Nolan

Impaired training-induced myogenesis in COPD is due to blunt expression of extracellular matrix proteins.

Davina C M Simoes (Newcastle upon Tyne, United Kingdom), Efpraxia Kritikaki, Gerasimos Terzis, Ioannis Vogiatzis

Interval-load vs constant-load upper limb exercise in patients with COPD: a cross-over study

Mara Paneroni (Mazzano (BS), Italy), Alessandro Cavicchia, Beatrice Salvi, Laura Bertacchini, Michele Vitacca

Estimation of the minimal important difference (MID) of quadriceps maximum voluntary contraction (QMVC) in response to pulmonary rehabilitation (PR) in COPD

George D Edwards (Ilford, United Kingdom), Suhani Patel, Timothy Jenkins, Karen A Ingram, William D-C Man, Claire M Nolan

Effect of Baduanjin combined with singing therapy on respiratory function of COPD patients

Qiao Qiao (Changchun, China), Hongjing Lin

Strength, effort tolerance and muscle fatigue in COPD patients under Long Term Oxygen Therapy: role of different obstruction severity

Alessandro Cavicchia (Verona, Italy), Michele Vitacca, Beatrice Salvi, Laura Bertacchini, Massimo Venturelli, Mara Paneroni

Immediate Effects of Thoracic Manual Therapy on Pulmonary Function in Stroke Patients

Yunus Emre Tutuneken (İstanbul, Turkey), Emine Atici, Yasemin Buran Çırak, Kubra Kardes, Nurgül Dürüstkan Elbaşı, Burcu Isıkcı, Kenan Gul

Reliability of remote 1-minute sit-to-stand test to measure physical capacity in patients with chronic respiratory diseases

Santiago Larrateguy (Paraná, Argentina), Matias Otto-Yañes, Juan Bogado, Luis Larrateguy, Isabel Blanco, Elena Gimeno-Santos, Rodrigo Torres-Castro

Reference values for the 1-minute sit-to-stand test for the Argentine population

Santiago Larrateguy (Paraná, Argentina), Santiago Burgos, Rocio Iglesias, Laura Carrizo, Martin Cestari, Santiago Saavedra, Luis Larrateguy, Matias Otto-Yañes, Guillermo Mazzucco, Elena Gimeno-Santos, Rodrigo Torres-Castro

Modified six-minutes walk test in children with medical complexity and chronic lung disease

Gregory Villarroel Silva (Santiago, Chile), Macarena Faúndez Silva, Paula Vera Tapia, Gonzalo Moscoso Altamira, Barbara Moya Torres, Maria Jose Miranda Miño, Ignacio Oyarzun Aguirre

Biomarkers differentiating acute heart failure from COPD exacerbations: not much evidence

Sanne H B van Dijk (Enschede, Netherlands), Marjolien G J Brusse-Keizer, Charlotte C Bucsán, Eline H Ploumen, Wendy J C Van Beurden, Job Van Der Palen, Carine J M Doggen, Anke Lenferink

Investigation of Disease Status, Dyspnea Severity, and Disease Symptoms According to Exercise Habits in Patients with Chronic Obstructive Pulmonary Disease Completing Pulmonary Rehabilitation Program

Melissa Köprülüoglu (Izmir, Turkey), İlknur Naz, Hülya Doğan Şahin

Findings from a modified six-minute walk test (m-6MWT) in patients attending the long COVID clinic

Emma Denny (London, United Kingdom), Robert Chapman, Rebecca Evans, Ewen Brennan, Rebecca Livingston, Rebecca Gore, Helen Purcell, Jeremy Brown, Ronan Astin, Toby Hillman, Melissa Heightman

Relevance of multidimensional dyspnea assessment in context of pulmonary rehabilitation

Virginie Molinier (Lodève, France), Espérance Moine, Pauline Caille, Nathalie Fernandes, Francois Alexandre, Nelly Heraud

PS-4 in poster area

Session

08:00 - 09:30

Poster session: New concepts in pulmonology

Disease(s) : Respiratory critical care Thoracic oncology Airway diseases Interstitial lung diseases Pulmonary vascular diseases

Method(s) : Cell and molecular biology Public health Endoscopy and interventional pulmonology Imaging Physiology General respiratory patient care Pulmonary function testing

Chairs : Jonathan Baker (London, United Kingdom)

Alveomic fingerprinting of acute inflammation in the human lung

Stuart Dickson (Glasgow, United Kingdom), Antonella Pellicoro, Erin Gaughan, Thomas Craven, Jessica Ghobrial, Sarah Kelly, Ahad Abdalla, Hazel Stewart, Tarek Haloubi, Tom Michael Quinn, Bethany Mills, Renske Hoekstra, Manu Shankar-Hari, Kevin Dhaliwal

Primary human type II alveolar cells cultured in human decellularized lung slices maintain phenotype and respond to TGF-β1 stimuli with altered ECM production

Anna-Karin Larsson-Callerfelt (Lund, Sweden), Oskar Rosmark, Mans Kadefors, Goran Dellgren, Christofer Karlsson, Anders Ericsson, Sandra Lindstedt, Johan Malmstrom, Oskar Hallgren, Gunilla Westergren-Thorsson

Late Breaking Abstract - Role of eosinophil mitochondrial function in severe eosinophilic asthma

Janice Koranteng (London, United Kingdom), Katie Raby, Piers Dixey, Sook Ling Lai, Peter Howarth, Kian Fan Chung, Charalambos Michaeloudes, Pankaj Bhavsar

High-content imaging assays to monitor the effects of cigarette smoke on mitochondrial health

Maria Karlsson (Västra Frölunda, Sweden), Tiiu Wennberg, Gabriel Skogberg, Johan Jirholt

COX-1-derived mediators in the functional interplay between bronchi and vessels

Ida Cerqua (Napoli, Italy), Elisabetta Granato, Antonietta Rossi, Maria Lopes Pires, Nicholas Kirkby, Jane Mitchell, Giuseppe Cirino, Fiorentina Roviezzo

Distinct expression of collagen IV chains; a potential marker to discriminate COPD phenotypes?

Natalia El-Merhie (Giessen, Germany), Ceren Mutgan, Rajender Nandigama, Clemens Ruppert, Andreas Guenther, Ali Önder Yildirim, Rajkumar Savai, Marek Bratkuhn, Grazyna Kwapiszewska

Pulmonary consequences of global and focal cerebral ischemia in rats

Petra Somogyi (Hódmezővásárhely, Hungary), Ibolya Tóth, Bence Ballók, Zaid Hammad, Ramez A. Hussein, Fruzsina Kun-Szabó, Szilvia Kecskés, János Lückl, József Tolnai, Gergely H. Fodor, Eszter Farkas, Ferenc Peták

Evidence of microvascular damage in Covid-19 survivors by simultaneous measure of diffusing capacity for carbon monoxide and nitric oxide.

Nicola Compagnone (San Cipriano d'Aversa, Italy), Patrizia Rovere-Querini, Rebecca De Lorenzo, Cecilia Bussolari, Giacomo Pacioni, Giordano Vitali, George Cremona

Biomonitoring purposes of micronucleated alveolar macrophages in lung cancer screening

Svetlana Zunic (Beograd, Republic of Serbia)

Effects of vitamin D3 on human lung fibroblasts derived from patients with IPF

Tom Voisin (Rennes, France), Audrey Joannes, Claudie Morzadec, Dominique Lagadic-Gossman, Cécile Le Naoures, Bertrand Richard De Latour, Stéphane Jouneau, Laurent Vernhet

Induction of epithelial cellular senescence and pro-fibrotic changes in human precision-cut lung slices

Maria Camila Melo Narvaez (Munich, Germany), Mircea-Gabriel Stoleriu, Anne Hilgendorff, Claudia Staab-Weijnitz, Ali Oender Yildirim, Melanie Koenigshoff, Mareike Lehmann

Interaction of human lung mesenchymal cells with an elastin-derived extracellular matrix-like microenvironment

Arturo Ibáñez Fonseca (Lund, Sweden), Linnea Persson, Zackarias Söderlund, Måns Kadefors, Linda Elowsson, José Carlos Rodríguez-Cabello, Gunilla Westergren-Thorsson

Extracellular vesicles are taken up by airway epithelial cells through a dynamin-dependent mechanism

Justine Devulder (London, United Kingdom), Jonathan Baker, Susie Cao, Louise Donnelly, Peter Barnes

Mitochondrial transplantation reduces endothelial injury in the ARDS environment in vitro

Anna Krasnodembskaya (Belfast (Belfast), United Kingdom), Dayene de Assis Fernandes Caldeira, Johnatas D Silva, Patricia R M Rocco, Pedro S Leme, Fernanda F Cruz

Effect of Galantamine on lipopolysaccharide-induced acute lung injury during neutropenia recovery in mice

Hyonsoo Joo (Seoul, Republic of Korea), Oh Beom Kwon, Seong Yong Lim, Jin Woo Kim

Omeg@Silica microparticles modulates p53 and cell proliferation in A549

Caterina Di Sano (Palermo, Italy), Claudia D'Anna, Rosaria Ciriminna, Mario Pagliaro, Elisabetta Pace

Rapamycin reduces oxidative stress-induced senescence by increasing sirtuin-1 in small airway epithelial cells

Faye Shrosbery (London, United Kingdom), Werngard Czechtizky, Louise Donnelly, Peter Barnes

Impaired STAT3 function increases susceptibility to LPS-induced lung injury in hyper-IgE syndrome

Verena Haefner (Neuherberg, Germany), David Kutschke, Carola Voss, Christine Hollauer, Christine Wolf, Ali Önder Yildirim, Renate Effner, Ellen Renner, Tobias Stoeger, Beate Hagl

Neutrophil extracellular traps drive lung remodelling in tuberculosis

Julia Kutschenreuter (London, United Kingdom), Ramla Cusman, Daniela E. Kirwan, Jon S. Friedland, Deborah L.W. Chong

Tartrate-resistant acid phosphatase activity and apoptotic clearance by alveolar macrophages of rabbits on an oil diet and with pulmonary emphysema

Snežana Zunic (Belgrade, Republic of Serbia), Svetlana Zunic

PS-9 in poster area

Session

08:00 - 09:30

Poster session: Multimorbidity in people with lung diseases

Disease(s) : Airway diseases Pulmonary vascular diseases Sleep and breathing disorders

Method(s) : Epidemiology Physiology Pulmonary function testing Public health Cell and molecular biology

Chairs : Chair to be confirmed

Characterisation and burden of eosinophilic granulomatosis with polyangiitis in European patients by disease phase
Lee Baylis (Apex, United States), Jeremiah Hwee, Lynn Huynh, Rafael Alfonso-Cristancho, Anamika Khanal, Mei Sheng Duh, Waseem Ahmed

Prevalence and disease burden of alpha-1 antitrypsin deficiency in Germany
Prasad Gawade (Boston, United States), Kuen-Cheh Yang, Ina Jazic, Christina Scirica, Zheng-Yi Zhou, Wenxi Tang

An update from the Irish national alpha-1 antitrypsin deficiency targeted detection programme
Ronan Heeney (Dublin, Ireland), Orla Cahalane, Ilaria Ferrarotti, Stefania Ottaviani, Geraldine Kelly, Cedric Gunaratnam, Gerry McElvaney, Tomás Carroll

Screening of alpha-1-antitrypsin mutations at the day hospital of pneumology with oral swab
Ana Mendes Silva (Barcelona, Spain), Paula Pujal, Astrid Crespo, Ingrid Solanes, Anna Pelegri

The incidence of sarcopenia is higher in the group of COPD subjects than non-COPD subjects
Chih-Ming Lin (Taipei, Taiwan), Jhih-Jhen Wu, Huan-Ting Lin, Shih-Wei Huang

Isolated small airways obstruction predicts future chronic airflow obstruction: Preliminary findings
Ben Knox-Brown (NEWMARKET, United Kingdom), James Potts, Cosetta Minelli, Jaymini Patel, Peter Burney, Andre Amaral

The trend of Medication use and Mortality in chronic obstructive pulmonary disease in Korea: A nationwide cohort study 2002-2013
Jinhyung Cho (Seoul, Republic of Korea), Young Sam Kim

Persistence of asthma from 8-28 years – a population-based cohort study
Linnéa Almqvist (Boden, Sweden), Martin Andersson, Helena Backman, Eva Rönmark, Linnea Hedman

Rhinovirus specific IgG responses and respiratory health in children and adults of the EGEA cohort
Marion Mauclin (Grenoble, France), Alicia Guillien, Katarzyna Niespodziana, Anne Boudier, Thomas Schleiderer, Maja Bajic, Raphaël Vernet, Rachel Nadif, Jean Bousquet, Emmanuelle Bouzigon, Rudolf Valenta, Valérie Siroux

Sub-phenotypes and asthma outcomes by cluster analysis among elderly patients
Tsu-Nai Wang, Yu-Chun Lin, Meng-Chih Lin, Chao-Chien Wu

Maternal asthma during pregnancy and offspring type 1 diabetes – a Swedish population-based cohort study
Awad I. Smew (Stockholm, Sweden), Amanda Wikström, Cecilia Lundholm, Gustaf Rejnö, Bronwyn K. Brew, Catarina Almqvist

Sleep-related symptoms among asthmatics in the RHINESSA study
Rajesh Shigdel (Bergen, Norway), Ronas Shakya, Sarala Banjara, Eva Lindberg, Bryndis Benediktsdottir, Össur Emilsson, Nils Oskar Jögi, José Luis Sánchez Ramos, Francisco Javier Callejas González, Cecilie Svanes, Francisco Gomez Real, Chamara Senaratna, Vivi Schlünssen, Thorarinn Gislason, Randi J Bertelsen

Chronic OCS use and biologics uptake in asthma: real-world data (RWD) insights
Michael Cushion (Biggleswade, United Kingdom), Mary Brown

Genes involved in IL6-related pathways and asthma: the EGEA and FEAS studies
Laurent Orsi (Paris, France), Taina K. Lajunen, Patricia Margaritte-Jeannin, Maritta S. Jaakkola, Jouni J.K. Jaakkola, Rachel Nadif*, Marie-Hélène Dizier*

The prevalence of severe asthma and severe eosinophilic asthma in Finland
Lauri Lehtimäki (Tampere, Finland), Arja Viinanen, Pinja Ilmarinen, Juha Mehtälä, Tero Ylisaukko-Oja, Juhana J Idänpään-Heikkilä, Hannu Kankaanranta

Association between SNPs in candidate genes and mixed granulocytic asthma in adults
Antonino Margagliotti (Verona, Italy), Lucia Calciano, Valentina Lando, Cristina Bombieri, Giovanni Malerba, Mario Olivieri, Simone Accordini

Depression from childhood to early adulthood and association with respiratory symptoms
Gang Wang (Stockholm, Sweden), Jenny Hallberg, Ellen Vercauteren, Natalia Hernandez-Pacheco, Sandra Ekström, Bronwyn K Brew, Catarina Almqvist, Inger Kull, Anna Bergström, Erik Melén, Donghao Lu

Risk factors of early dying among in-hospital community-acquired pneumonia deaths
Ezequiel Pessoa (Lisbon, Portugal), Cristina Bárbara, Andreia Costa, Paulo Nogueira

Trends in outpatient azithromycin prescribing in respiratory diseases
Victor Pera (Rotterdam, Netherlands), Helen Panen, Maria A.J. De Ridder, Lies Lahousse, Guy G. Brusselle, Peter R. Rijnbeek, Katia M.C. Verhamme

The impact of the war in Ukraine on the prevalence of multidrug-resistant tuberculosis in Poland: an epidemiological overview and overview of countermeasures implemented.

Adam Nowinski (Warszawa, Poland), Askar Yedilbayev, Joanna Ladomirska, Andrei Dadu, Tatiana Makarevich, Stefan Wesolowski, Paloma Cuchi, Maria Korzeniewska-Kosela

PS-16 in poster area**Session****08:00 - 09:30****Poster session: Clinical problems in rare interstitial lung diseases****Disease(s) :** Interstitial lung diseases Airway diseases Thoracic oncology**Method(s) :** Epidemiology General respiratory patient care Imaging Public health Endoscopy and interventional pulmonology Cell and molecular biology Pulmonary function testing Transplantation**Chairs :** Clairelyne Dupin (Paris, France), Francesco Bonella (Düsseldorf, Germany)**Epidemiology of diffuse interstitial lung disease in children in France: The RespiRare cohort**

CAMILLE FLETCHER (Paris, France), Alice Hadchouel Duvergne, Caroline Thumerelle, Manon Fleury, Nouha Jedidi, Myriam Benhamida, Katia Bessaci, Raphael Borie, Tiphaine Bilhouee, Jacques Brouard, Aurelie Cantais, Annick Clément, Laurianne Coutier, Pierrick Cros, Marie Laure Dalphin, Christophe Delacourt, Ralph Epaud, Eric Deneuille, Antoine Deschildre, Jean-Christophe Dubus, Carole Egron, Michael Fayon, Agnes Fina, Aude Forgeron, Elsa Gachelin, François Galode, Isabelle Gibertini, Lisa Giovannini-Chami, Tamazoust Guiddir, Audrey Herzog, Veronique Houdouin, Eglantine Hullo, Pierre-Henri Jarreau, Geraldine Labouret, Alice Ladaurade, Laurence Le Clainche Viala, Christophe Marguet, Alexandra Masson-Rouchaud, Julie Mazenq, Caroline Perisson, Cinthia Rames, Philippe Reix, Marie-Catherine Renoux, Léa Roditis, Cyril Schweitzer, Aurélie Tatopoulos, Pascale Trioche-Eberschweiler, Françoise Troussier, Clementine Vigier, Laurence Weiss, Marie Legendre, Camille Louvrier, Alix De Becdelievre, Aurore Coulomb, Chiara Siléo, Hubert Ducou Le Pointe, Laureline Bertheloot, Celine Delestrain, Nadia Nathan

Is it possible to predict multisystem Langerhans cell histiocytosis with lung involvement based on radiological findings detected by computed tomography?

Elżbieta Radzikowska (Warszawa, Poland), Maria Jeskiewicz, Katarzyna Blasinska, Jacek Wakulinski, Malgorzata Sobiecka, Elzbieta Wiatr, Monika Załęska, Renata Langfort, Iwona Bestry

Drug-induced interstitial lung disease: insights from a referral center

Vasilina Sotiropoulou (Patras, Greece), Panagiota Tsiri, Theodoros Karampitsakos, Matthaios Katsaras, Ourania Papaioannou, Tsirikos Georgios, Electra Koulousousa, Eva Theochari, Ioannis Christopoulos, Dimitrios Komninos, Elli Malakounidou, Eirini Zarkadi, Fotios Sampsonas, Argyrios Tzouvelekis

Phenotype-genotype correlations of pediatric patients with biallelic mutations in ABCA3 and SFTPB surfactant-related genes

Manon Fleury (Paris, France), Alice Hadchouel, Julie Mazenq, Nouha Jedidi, Camille Fletcher, Myriam Benhamida, Pierrick Cros, Christophe Delacourt, Jean-Christophe Dubus, Carole Egron, Ralph Epaud, Michael Fayon, Aude Forgeron, Lisa Giovanni-Chami, Caroline Perisson, Hortense Petat, Marie-Catherine Renoux, Léa Roditis, Caroline Thumerelle, Clémentine Vigier, Aurore Coulomb, Laureline Berteloot, Chiara Sileo, Alix De Becdelievre, Pascale Fanen, Marie Legendre, Camille Louvrier, Nadia Nathan

Health related quality of life in childhood interstitial lung disease – an ERS Clinical Research Collaboration

Elias Seidl (München, Germany), Mandy Niemitz, Sarah Stöhr, Nicolaus Schwerk, Martin Wetzke, Julia Carlens, Joanna Lange, Katarzyna Krenke, Nagehan Emiralioglu, Nural Kiper, Matthias Griesse

Natural history and outcome of lymphangioleiomyomatosis in Ireland

Evelyn Lynn (Blackrock (Co. Dublin), Ireland), Helen O'Brien, Yasuhito Sekimoto, Amina Jouida, Michael Keane, Cormac McCarthy

The value of multidisciplinary team meetings in the diagnosis and management of childhood interstitial lung disease among the RespiRare network

Julie Cassibba (Paris, France), Lauren Bitton, Camille Fletcher, Manon Fleury, Céline Lustremant, Meryem Sari Hassoun, Sabrina Aberbach, Laureline Berteloot, Chiara Sileo, Marie Legendre, Camille Louvrier, Alix De Becdelievre, Alice Hadchouel, Ralph Epaud, Nadia Nathan

Lower respiratory tract involvement in recurrent respiratory papillomatosis in a multicentric cohort study

Thomas Maitre (Paris, France), Romy Ratsihorimanana, Mathieu Dusselier, Gilles Mangiapan, Minh Triet Ngo, Nicolas Guibert, Clément Fournier, M Matar, Stephane Jouneau, Arnaud Bourdin, Thomas Egenod, Delphine Wermert, Nicolas Favrolt, Olivia Freynet, Valérie Gounand, Raphael Borie, Raffaele Caliendo, Jean François Boitiaux, Julie Mankikian, Juliette Camuset, Marc Fortin, Vincent Cottin, Jean Michel Vergnon, Jacques Cadranel

Clinical characteristics of diffuse cystic lung diseases at a national referral centre

Helen O'Brien (Ratoath, Ireland), Cara Gill, Marissa O'Callaghan, Evelyn Lynn, Fiona Hickey, Jehangir Khan, Alessandro Franciosi, Michael P Keane, Cormac Mc Carthy

The European ILD Registry algorithm of self assessment (eurILDreg-ASA): pilot study data on prospective, patient-centered capture of symptom burden, quality of life, spirometry, oximetry and exercise capacity

Laurenz Claas (Kassel, Germany), Karen Moor, Maria Molina-Molina, Keerthana Siebert, Silke Tello, Rebecca Borton, Marlies Wijnenbeek-Lourens, Bruno Crestani, Andreas Guenther, Ekaterina Krauss

The diagnostic role of transbronchial lung cryobiopsy (TBLC) in Granulomatous-Lymphocytic Interstitial Lung Disease (GLILD) associated to Common Variable Immunodeficiency (CVID)

Ilaria Menichini (Roma (RM), Italy), Claudia Ravaglia, Sara Piciocchi, Alessandra Dubini, Venerino Poletti

Radiological and genetic diversity of inherited ILDs revealed within a regional familial pulmonary fibrosis service

Jennifer Dickens (Cambridge (Cambridgeshire), United Kingdom), Helen Parfrey, Mostin Hu, Christine Fiddler, Eamonn Maher

Analysis of Clinical Characteristics of Connective Tissue Disease-Associated Interstitial Lung Disease in 225 Patients: A Prospective Study

Ketfi Abdelbassat (Alger, Algeria), Rama Touahri, Cherifa Djouadi

Lung Transplant in hypersensitivity pneumonitis patients.

Carolina Santamaría Valencia (Maspalomas, Spain), Iovanna Socorro Ávila, Cristina Ayuela Lacaba, Myriam Aguilar Perez, Christian García Fadul, Rosalía Laporta Hernandez

Diagnostic Criteria Arrangement in Nationwide All ILD Registry with Central MDD in Japan; PROMISE study

Yasuhiro Kondoh (Seto (Aichi), Japan), Taiki Furukawa, Ryo Teramachi, Hironao Hozumi, Takafumi Suda, Tomoyuki Fujisawa, Ryoko Egashira, Takeshi Johkoh, Junya Fukuoka, Masataka Kuwana, Takashi Ogura, Yasunari Miyazaki, Masashi Bando, Yoshikazu Inoue, Hiromi Tomioka, Yasuhiko Nishioka, Hirofumi Chiba, Masahito Ebina, Kazuya Ichikado, Naozumi Hashimoto, Makoto Ishii

Clinical and radiologic differences between patients with combined pulmonary fibrosis and emphysema and a matched emphysema cohort

Tal Ardon (Tel Aviv, Israel), Omer Kersh, Ophir Freund, Tamar Shalmon, Tzlil Hershko, Amir Bar-Shai, Galit Aviram, Avraham Unterman

Diagnostic testing for GLILD in Common Variable Immunodeficiency: A Systematic Review

Heba M Bintalib (London, United Kingdom), Annick A J M Van De Ven, Joseph Jacob, Jesper R. Davidsen, Børre Fevanga, Leif G Hanitsch, John Routes, Marion Malphettes, Joris Van Montfrans, Paul J. Maglione, Cinzia Mito, Klaus Warnatz, John R Hurst

Prevalence of lung cysts – are we missing incidental cystic lung disease?

Saher Sultan (Nottingham, United Kingdom), Michael Avoesh, Dominic Shaw, Simon Johnson

Level of information of patients with lymphangioleiomyomatosis – room for improvement!

Finn Wilkens (Heidelberg, Germany), Claudia Ganter, Catrin Ender, Heinrike Wilkens, Nicolas Kahn, Katharina Buschulte, Katharina Kriegsmann, Michael Kreuter

Primary myoepithelioma of the lungs: a case report

Mila Rose Gonzalez (Dumaguete, Philippines), Caesar Antonio Ligo, Dehuel Cuyacot, John Anthony Tindoc

Coral 3

Session

08:30 - 10:00

Symposium: War, climate change, migration and respiratory infections**Aims :** to discuss 1) the menaces the world is facing and how adaptive strategies can help to minimise health risks.; 2) policy interventions that can facilitate the mobility of people, enhance well-being and maximise social and economic development in both places of origin and destination**Disease(s) :** Airway diseases Paediatric respiratory diseases Respiratory infections**Method(s) :** Epidemiology General respiratory patient care Public health**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Paediatrician, Patient, Radiologist, Respiratory physiotherapist, Journalist**Chairs :** Andrew Bush (London, United Kingdom), Raquel Duarte (Porto, Portugal)**08:30 Acute respiratory infections in crisis affected populations**
Giovanni Battista Migliori (Varese (VA), Italy)**08:45 Climate change and respiratory infections**
Carlos Robalo Cordeiro (Coimbra, Portugal)**09:00 Effect of climate changes and migration on infection in the paediatric population**
Marijke Proesmans (Leuven, Belgium)

09:15 Respiratory health in migrant populations
Dennis Falzon (Genève, Switzerland)

09:30 Discussion and Q&A

Coral 1 Session 08:30 - 10:00

Symposium: Evolving concepts in the management of nonsmall cell lung cancer

Aims : to highlight the latest trends in lung cancer and pleural mesothelioma care. Adoption of emerging therapies such as immunotherapy in early-stage nonsmall cell lung cancer (NSCLC) represents a paradigm shift relative to the previous treatment algorithms. Individualised approaches in thoracic surgery and oligometastatic NSCLC are just finding their way into routine care. Likewise, malignant pleural effusion treatment and research of pleural mesothelioma are currently being redefined.

Disease(s) : Thoracic oncology

Method(s) : General respiratory patient care Imaging Surgery

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Thoracic oncologist, Thoracic surgeon, Respiratory therapist

Chairs : Federica Meloni (Pavia (PV), Italy), Torsten Gerriet Blum (Berlin, Germany)

08:30 Choosing between new and established adjuvant regimens perioperatively
Speaker to be confirmed

08:45 Individualized surgical approach in thoracic lung cancer
Monica Casiraghi (Milan, Italy)

09:00 Integrating systemic and local therapies in the management of oligometastatic NSCLC
Dragana M. Jovanović (Beograd, Republic of Serbia)

09:15 Innovative approaches for pleural effusion in lung cancer

09:30 Discussion and Q&A

Silver Session 08:30 - 10:00

Symposium: Progressive pulmonary fibrosis: challenges and controversies

Aims : to describe the magnitude of the problem of progressive pulmonary fibrosis (PPF); to discuss the diagnostic tools to detect or predict PPF; to explore some of the putative pathogenic mechanisms that may be involved in the progression of fibrotic lung disorder; to discuss the therapeutic approach, covering immunosuppression and antifibrotic drugs, antifibrotic drugs alone, nonpharmacological support, and when to start and stop this all.

Disease(s) : Interstitial lung diseases

Method(s) : Cell and molecular biology Imaging Pulmonary function testing

Tag(s) : Translational

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational)

Chairs : Michael Kreuter (Heidelberg, Germany), Marlies S. Wijsenbeek (Rotterdam, Netherlands)

08:30 Progressive pulmonary fibrosis. The burden of disease progression in fibrotic interstitial lung disease
Phil Molyneux (London, United Kingdom)

08:45 Diagnostic challenges and biomarkers to profile progression. Time is gold
Anna Podolanczuk (New York, United States)

09:00 Cellular and molecular mechanisms involved in progression of pulmonary fibrosis
Moises Eduardo Selman Lama (Mexico, Mexico)

09:15 Therapeutic approach and challenges in PPF
Elisabeth Bendstrup (Aarhus N, Denmark)

09:30 Discussion and Q&A

Coral 2 Session 08:30 - 10:00

Symposium: Lung consequences of the obesity epidemic from children to the elderly Obesity and lung diseases

Aims : to give an epidemiological overview of the obesity and its detrimental effects on general health; to present the most important clinical consequences of obesity on lung health and cardiovascular effects, spanning from early life to adulthood

Disease(s) : Airway diseases Paediatric respiratory diseases Sleep and breathing disorders

Method(s) : Epidemiology General respiratory patient care Public health

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist, Journalist

Chairs : Angela Zacharasiewicz (Wien, Austria), Johan Verbraecken (Edegem (Antwerp), Belgium)

08:30 The immune system and obesity-related asthma: what is the link?
Deepa Rastogi (Bronx, United States)

08:45 Obesity in children and its relationship with sleep
Indra Narang (Toronto (ON), Canada)

09:00 Why childhood obesity causes respiratory diseases
Erick Forno (Indianapolis, United States)

09:15 Metabolic determinants of asthma and COPD across ages
Miguel Angel Alejandro Alcázar (Köln, Germany)

09:30 Discussion and Q&A

Coral 4+5 Session 08:30 - 10:00

Hot topics: Burden of tobacco farming and use of electronic nicotine delivery systems on the environment and occupational health

Aims : to address the urgent need to take action against the rapidly increasing epidemic of electronic nicotine delivery system use in childhood and adolescence; to disclose how and why the industry targets the paediatric population; to highlight the recent evidence on inhalation of e-liquids and flavoured nicotine products; to discuss the effects on the paediatric asthmatic population and to discuss solutions and policy recommendations.

Disease(s) : Airway diseases Paediatric respiratory diseases

Method(s) : Cell and molecular biology Epidemiology Public health

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Scientist (basic, translational), Respiratory therapist, Journalist

Chairs : Silvia Ulrich (Zurich, Switzerland), Giovanni Viegi (Pisa (PI), Italy)

08:30 Health effects of e-liquids, flavours and other chemicals
Sven-Eric Jordt (Durham, NC, United States)

08:45 Environmental damage caused by tobacco farming and manufacturing
Selin Çakmakçı Karakaya (Ankara, Turkey)

09:00 Global burden of tobacco use
Om Prakash Kurmi (Coventry, United Kingdom)

09:15 Greenwashing of the tobacco industry
Elif Dagli (Istanbul, Turkey)

09:30 Discussion and Q&A

Purple Session 08:30 - 10:00

Respiratory medicine meets other disciplines: Artificial intelligence in chest radiology and clinical practice

A joint ERS/European Society of Thoracic Imaging (ESTI) session

Aims : to introduce the current artificial intelligence (AI) - derived applications in chest radiology; to discuss clinical application of artificial intelligence AI.

Disease(s) : Airway diseases Interstitial lung diseases Thoracic oncology**Method(s) :** Imaging**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, General practitioner, Medical Student, Medical Technical Assistant, Respiratory critical care physician, Paediatrician, Pathologist, Radiologist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Respiratory therapist, Journalist**Chairs :** Walter De Wever (Leuven, Belgium), Elżbieta Magdalena Grabczak (Warszawa, Poland), Anna Rita Larici (Roma (RM), Italy)**08:30 Artificial intelligence in thoracic imaging: what is AI and where do we stand?**
Rozemarijn Vliegenthart (Groningen, Netherlands)**08:45 Artificial intelligence and organ or lesion segmentation**
Marleen De Bruijne (Rotterdam, Netherlands)**09:00 Artificial intelligence and detection, classification and prognosis of thoracic malignancies****09:15 Artificial intelligence and detection, classification and prognosis of diffuse lung diseases**
Nicola Sverzellati (Parma (PR), Italy)**09:30 Discussion and Q&A****Gold Session 08:30 - 10:00****State of the art session: Airway diseases****Longitudinal cohorts in airway disease. What have they taught us about personalised treatment of our everyday patients?****Aims :** to discuss effective studies on phenotypes and endotypes of airway diseases, the novel, discovered underlying pathologies and novel therapies based on longitudinal cohorts; to present the long-term effects of different therapies; to explain input of longitudinal cohorts to our current knowledge about airway diseases; to critically review the setting up and results of four main longitudinal cohorts.**Disease(s) :** Airway diseases**Method(s) :** Cell and molecular biology Epidemiology Physiology**Tag(s) :** Translational**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Nurse, Patient, Physician in Pulmonary Training, Radiologist**Chairs :** Omar S. Usmani (London, United Kingdom), Vanessa M. McDonald (Newcastle (NSW), Australia), Apostolos Bossios (Stockholm, Sweden)**08:30 The Unbiased Biomarkers for the Prediction of Respiratory Disease Outcomes (U-BIOPRED) cohort. Applying systems biology to reveal the mechanisms of severe asthma**
Kian Fan Chung (London, United Kingdom)**08:45 The COPDGene® Study: investigating the underlying genetic factors of chronic obstructive pulmonary disease**
MeiLan K. Han (Ann Arbor, United States)**09:00 Assessment of the involvement of small airways in asthma: the ATLANTIS study**
Monica Kraft (New York, United States)**09:15 The NOVEL observational longiTudinal studyY (NOVELTY): real-world evidence on asthma and/or chronic obstructive pulmonary disease development**
Alberto Papi (Cona, Ferrara, Italy)**09:30 Discussion and Q&A****Studio (White) Session 08:30 - 08:45****News from the studio: News from the studio****Chairs :** Richard Costello (Dublin 9, Ireland), Anita Simonds (London, United Kingdom)**08:30 Discussion and Q&A****Studio (White) Session 09:10 - 10:00****Experts interview: Phenotypes of central sleep apnoea/precision medicine approach in acute respiratory distress syndrome**

Chairs : Richard Costello (Dublin 9, Ireland), Anita Simonds (London, United Kingdom)

09:10 Phenotypes of central sleep apnoea: therapeutic options and future management perspectives
Winfried J. Randerath (Solingen, Germany)

09:25 Discussion and Q&A

09:35 Precision medicine approach in acute respiratory distress syndrome
Christian Karagiannidis (Cologne, Germany)

09:50 Discussion and Q&A

Red 1+2 Session 09:30 - 10:45

Oral presentation: Novelties in pulmonary hypertension management

Disease(s) : Pulmonary vascular diseases

Method(s) : Imaging General respiratory patient care Surgery Epidemiology Physiology Public health

Chairs : Marc Humbert (Le Kremlin-Bicêtre, France), Esther Jeritza Nossent (Amsterdam, Netherlands)

Late Breaking Abstract - A long-term follow-up (LTFU) study of sotatercept for pulmonary arterial hypertension (PAH)

Ioana R Preston (Boston, United States), David Badesch, Hossein-Ardeschir Ghofrani, J. Simon R. Gibbs, Mardi Gomberg-Maitland, Marius M. Hoeper, Marc Humbert, Vallerie V. McLaughlin, Aaron B. Waxman, Solaipappan Manimaran, Elina Mikhailova, Janethe De Oliveira Pena, Rogerio De Souza

Population health model predicting the long-term impact of sotatercept on morbidity and mortality in patients with Pulmonary Arterial Hypertension (PAH)

Vallerie McLaughlin (Ann Arbor, United States), Adnan Alsumali, Rogier Klok, Rongzhe Liu, Eliana Martinez, Jestinah Chevure, Janethe De Oliveira Pena, Dominik Lautsch, Marius Hoeper

Long term outcome in chronic thromboembolic pulmonary hypertension in the multimodality treatment era: a UK national cohort analysis

Paula Appenzeller (Zürich, Switzerland), Ashwin Reddy, Katherine Bunclark, John Cannon, Karen Shears, Mark Toshner, Dolores Taboada, Stephen Hoole, Gerry Coghlan, David Jenkins, Choo Ng, John Taghavi, Steven Tsui, Nick Screatton, Alessandro Ruggerio, Luigia D'Errico, Joanna Pepke-Zaba

Seralutinib improves pulmonary arterial blood vessel volume distribution in pulmonary arterial hypertension (PAH): results of the TORREY phase 2 imaging substudy

Roham Zamanian (Portola Valley, United States), Farbod N. Rahaghi, Marion Delcroix, Sandeep Sahay, Namita Sood, Ronald L. Zolty, Murali M. Chakinala, Veronica Franco, Pavel Jansa, Shelley M. Shapiro, Leslie A. Spikes, Wendy Stevens, R. James White, Patrick Muchmore, Ben Lavon, Jan De Backer, Thao Duong-Verle, Robert F. Roscigno, David Mottola, Richard Aranda, Matt Cravets, Robin Osterhout, Jean-Marie Bruey, Ed Parsley, Vallerie V. McLaughlin, Robert P. Frantz, Hossein-Ardeschir Ghofrani, Lawrence S. Zisman

External validation of the European cardiac magnetic resonance risk stratification in the Amsterdam UMC PAH patient cohort

Lucas Celant (Amstelveen, Netherlands), J.N. Wessels, J.T. Marcus, L.J. Meijboom, H.J. Bogaard, F.S. De Man, A. Vonk Noordegraaf

Subtypes of pulmonary hypertension: gas uptake to lung capillaries and lung microstructure assessed by 129Xe MRI

Agilo Luitger Kern (Hannover, Germany), Da-Hee Park, Jan Füge, Jens M. Hohlfeld, Frank Wacker, Karen M. Olsson, Marius M. Hoeper, Jens Vogel-Claussen

Prediction of revised pulmonary hypertension hemodynamic thresholds using 4D flow MRI

Deepa Gopalan (LONDON, United Kingdom), Kai'En Leong, William Auger, Peter Lindholm

Comparison of risk stratification models for prediction of mortality in SSc-PAH in EUSTAR

Hilde Jenssen Bjørkekjær (Kristiansand, Norway), Cosimo Bruni, Patricia Carreira, Paolo Airò, Carmen Pilar Simeón-Aznar, Marie-Elise Truchetet, Alessandro Giollo, Alexandra Balbir-Gurman, Mickael Martin, Christopher P Denton, Armando Gabrielli, Håvard Fretheim, Imon Barua, Helle Bitter, Øyvind Midtvedt, Torhild Garen, Kaspar Broch, Arne Andreassen, Yoshiya Tanaka, Gabriela Riemekasten, Ulf Müller-Ladner, Marco Matucci-Cerinic, Ivan Castellví, Elise Siegert, Eric Hachulla, Oliver Distler, Anna-Maria Hoffmann-Vold

Long-term outcome of patients with combined post- and precapillary pulmonary hypertension

Anna Titz (Uster, Switzerland), Laura Mayer, Paula Appenzeller, Julian Müller, Simon R. Schneider, Michael Tamm, Andrei M. Darie, Sabina A. Guler, John-David Aubert, Frédéric Lador, Hans Stricker, Jean-Marc Fellrath, Susanne Pohle, Mona Lichtblau, Silvia Ulrich

Altitude related adverse effect and therapeutic benefit of supplemental oxygen in patients with pulmonary vascular disease during an overnight stay at 2500m

Simon Raphael Schneider (Zürich, Switzerland), Julian Müller, Meret Bauer, Laura Mayer, Lea Lüönd, Tanja Ulrich, Michael Furian, Aglaia Forrer, Esther I. Schwarz, Konrad E. Bloch, Mona Lichtblau, Silvia Ulrich

Discussion and Q&A**Yellow 1+2+3 Session 09:30 - 10:45****Oral presentation: Hot topics in intensive care medicine**

Disease(s) : Respiratory critical care Airway diseases Pulmonary vascular diseases

Method(s) : Respiratory intensive care Physiology Cell and molecular biology

Chairs : Lieuwe D.J. Bos (Amsterdam, Netherlands), Ana Cysneiros (Lisboa, Portugal)

Late Breaking Abstract - CLUSTERING ARDS PATIENTS THROUGH THE FIRST DAYS OF ICU ADMISSION.

Adrian Ceccato (Ituzaingo (Prov. De Buenos Aires), Argentina), Carles Forne, Lieuwe D. Bos, Marta Camprubi, Aina Areny, Elena Campaña, Sara Quero, Emilio Diaz, Oriol Roca, David De Gonzalo-Calvo, Laia Fernandez Barat, Anna Motos, Ricard Ferrer, Jordi Riera, Jose Angel Lorente, Oscar Peñuelas, Rosario Menendez, Jesus Bermejo, Ferran Barbe, Antonio Artigas, Antoni Torres

Late Breaking Abstract - Transcriptome profiling of persistent ICU-acquired weakness in a cohort of ARDS survivors

Israel David Duarte Herrera (Oviedo, Spain), Karla Miravete-Lagunes, Cecilia López-Martínez, Sara M Exojo-Ramírez, Paula Martín-Vicente, Marcelino González Iglesias, Raquel Rodríguez García, Ana García De Alaiz, Margarita Fernández-Rodríguez, Elías Cuesta-Llavona, Sergio Pérez-Oliveira, Juan Gómez De Oña, Eliecer Coto, Inés López-Alonso, Diego Parra-Ruiz, Guillermo M Albaiceta, Laura Amado-Rodríguez

The association between respiratory effort parameters during the first 48 hours with clinical outcomes in mechanically ventilated patients: A prospective observational study.

Phruet Soipetkasem (Bangkok, Thailand), Detajin Junhasavasdikul, Yuda Sutherasan, Pongdhep Theerawit

Differences in nosocomial infections in patients on VV-ECMO for COVID-19 and Influenza

Clemens Wiest (Regensburg, Germany), Alois Philipp, Maik Foltan, Florian Geismann, Maximilian Malfertheiner, Christoph Fisser, Thomas Mueller, Lars Siegfried Maier, Florian Hitzenbichler, Barbara Schmidt, Dirk Lunz, Thomas Dienemann, Bernd Salzberger, Matthias Lubnow

Vilobelimab's effect on mortality in severe COVID-19 ARDS patients: Phase 3 RCT

Endry Lim (Amsterdam, Netherlands), Alexander Vlaar, Djillali Annane, Martin Witzel, Michael Bauer, Leo Heunks, Bruno Mourvillier, Vasquez Luis Hercilla, Tobias Welte, Pieter Van Paassen, Sanne De Bruin, Matthijs Brouwer, Pieter Tuinman, Jose Saraiva, Marx Gernot, Suzana Lobo, Rodrigo Boldo, Jesus Simon-Campos, Alexander Cornet, Anastasia Grebenyuk, Johannes Engelbrecht, Maria Habel, Claus Thielert, James Dickinson, Bruce Burnett, Simon Ruckinger, Robert Zerbib, Dorothee Neukirchen, Renfeng Guo, Diederik Van De Beek, Niels Riedemann

Dead-space ventilation indices and mortality in acute respiratory distress syndrome: a systematic review and meta-analysis.

Dilip Jayasimhan (Hamilton, New Zealand), Jennifer Chieng, John Kolbe, David Sidebotham

long-term outcomes in critical covid-19 survivors: a 2-year longitudinal cohort

Jessica Gonzalez Gutierrez (Lleida, Spain), Maria Zuñil, Iván D. Benítez, Jordi De Batlle, Maria Aguilà, Sally Santistevé, Natalia Varvará, Aida Monge, Nuria Fornés, Rafaela Vaca, Olga Minguez, Faty Seck, Clara Gort-Paniello, Anna Moncusí-Moix, Ricard Ferrer, Adrián Ceccato, Laia Fernández, Ana Motos, Jordi Riera, Rosario Menéndez, Dario Garcia-Gasulla, Oscar Peñuelas, Gonzalo Labarca, Jesús Caballero, Carme Barberà, David De Gonzalo-Calvo, Antoni Torres, Ferran Barbé

Lung microbiota compositions differ between influenza, COVID-19 and bacteria-related acute respiratory distress syndrome

Renaud Prével (Bordeaux, France), Sébastien Imbert, Raphaël Enaud, Mathilde Revers, Arthur Orioux, Florian Lussac-Sorton, Adrian Camino, Alexandre Massari, Laurent Villeneuve, Cédric Carrié, Laurent Petit, Alexandre Boyer, Patrick Berger, Didier Gruson, Laurence Delhaes

Tranexamic acid to treat hemoptysis in real life (ATHENE study)

Marie Gaffier (Paris, France), Annabelle Beaudoin, Emilie Lanoy, Vincent Rothstein, Amer Hamdan, Thibaud Soumagne, Olivier Sanchez, Benjamin Planquette

Discussion and Q&A**Brown 3 Session 09:30 - 10:45****Oral presentation: Non-volitional assessment and new predictions in respiratory physiology**

Disease(s) : Airway diseases Interstitial lung diseases**Method(s) :** Physiology Pulmonary function testing Imaging General respiratory patient care**Chairs :** Karl Sylvester (Cambridge (Cambridgeshire), United Kingdom), Elizabeth Smith (Beaconsfield (WA), Australia)**Late Breaking Abstract - Accuracy of respiratory gas variables, of fifteen CPET systems during simulated exercise with metabolic simulator.**

Tjeu Souren (Utrecht, Netherlands), Bas Van Hooren, Bart Bongers

Title Comparing the use of global lung initiative 2012 vs 2021 predicted values on vital capacity in idiopathic pulmonary fibrosis (IPF) patients.

Kate Donovan (Cambridge, United Kingdom), Joshua Barnes, Karl Sylvester

Reference equations for intra-breath respiratory oscillometry in adults

Chiara Veneroni (Milano (MI), Italy), Alessandro Gobbi, Pasquale Pio Pompilio, Raffaele Dellaca, Salvatore Fasola, Stefania La Grutta, Agustin Leyva, Janos Porszasz, Silvia Romana Stornelli, Leonello Fuso, Christoph Valach, Robab Breyer-Kohansal, Chiara Contu, Riccardo Inchingolo, Kevin Hodgdon, David A. Kaminsky

Respiratory system oscillometric resistance decreases over time in idiopathic pulmonary fibrosis

Pauline Tossan (Tours, France), Stéphanie Dirou, Wemeau Lidwine, Chambellan Arnaud, Perez Thierry, Chenivesse Cécile, Bokov Plamen, Bayeh Bestega, Marchand-Adam Sylvain, Guichard Elie, Plantier Laurent

Comparison of forced oscillation technique (FOT) with spirometry measures in acute asthma

Paula Cristina Andrade Almeida (Aracaju (SE), Brazil), Mouaid Aljehani, Matthew J. Martin, Tim W. Harrison

The effect of breathing pattern on airway resistance and reactance using forced oscillation technique (FOT)

Mark Howlett-Foster (Cambridge, United Kingdom), Ella O'Neill, Karl Sylvester

Effects of renewed ERS/ATS criteria on classification of significant bronchodilator response

Nena Maria Rokx (Nijmegen, Netherlands), Jeanette B. Peters, Hieronymus W. H. Van Hees, Bram Van Den Borst, Alex J. Van 'T Hul, Hanneke A. C. Van Helvoort

Bronchodilator response discordance in patients with asthma and/or COPD using Xe-MRI and spirometry

Laurie Smith (Sheffield (South Yorkshire), United Kingdom), Helen Marshall, Alberto Biancardi, Guilhem Collier, Ho-Fung Chan, Dave Capener, Jody Bray, Demi Jakymelen, Laura Saunders, Joshua Astley, Bilal Tahir, Ryan Munro, Oliver Rodgers, James Ball, Paul Hughes, Smitha Rajaram, Andy Swift, Neil Stewart, Graham Norquay, Martin Brook, Leanne Armstrong, Latife Hardaker, Titti Fihn-Wikander, Rod Hughes, Jim Wild

Weight associates positively with FeNO in adult females but not males in a large healthy population-based sample

Tiago Jacinto (Senhora da Hora, Portugal), Rita Amaral, João Fonseca, Kjell Alving

An alternative non-invasive indicator to respiratory exchange ratio for exercise effort.

Patrick Jak (Diemen, Netherlands)

Discussion and Q&A**Brown 1+2 Session 09:30 - 10:45****Oral presentation: Improving respiratory care from a primary care perspective****Disease(s) :** Airway diseases**Method(s) :** General respiratory patient care Public health Imaging Pulmonary function testing Epidemiology**Chairs :** Miguel Román Rodríguez (Palma De Mallorca, Spain), María Mar Martínez Vázquez (Bilbao (Bizkaia), Spain)**Late Breaking Abstract - Improving the diagnosis of breathlessness in primary care: development and implementation of the "Breathlessness Diagnostics in a Box" (BiaB)**

Janwillem W. H. Kocks (Groningen, Netherlands), Chantal Arling, Thomas A. Le Rütte, Marjan Kerkhof, Merijn M.G. Driessen-Roelfszema, Chris P. Gale, Ana M. Cebrián-Cuenca, Fiona Mosgrove, Rudolf A. De Boer, Richard E. Russell, Bernardino Alcázar-Navarrete, Huib A.M. Kerstjens, Yoran Gerritsma

Developing a clinical pathway for breathlessness in primary care based on analysis of routine primary care data

Anthony Paulo Sunjaya (Sydney, Australia), Allison Martin, Gian Luca Di Tanna, Christopher Gianacas, Clare Arnott, Guy Marks, Christine Jenkins

Building a diagnostic picture of asthma in primary care: A novel 'jigsaw puzzle' approach

Siân Williams (London, United Kingdom), Dermot Ryan, Janwillem Kocks, Jaime Correia De Sousa

Insights into spirometry usage and the potential for AI-based decision support software in Belgian primary care

Julie Maes (Leuven, Belgium), Maarten De Vos, Karolien Van Orshoven, Paul Desbordes, Vincent Vanheule, Charlotte Quataert, Isabelle Fovel, Marko Topalovic

The clinical presentation of tuberculosis in English primary care

Farah Kidy (Coventry, United Kingdom), Noel Mccarthy, Krishna Nirantharakumar, Shamil Haroon

Sonographic follow-up of diaphragm function in COVID-19: an exploratory study

Wytze de Boer (Zwolle, Netherlands), Carlijn Veldman, Mireille Edens, Huib Kerstjens, Jan Willem Van Den Berg

The role of the asthma nurse educator in identifying severe asthma in primary care.

Holly Minshall (Stoke, United Kingdom), Angela Cooper, Elfatih Idris

Sustained health system benefits of primary care based integrated disease management for COPD: an interrupted time series

Christopher Licskai (London (ON), Canada), Anna Hussey, Véronique Rowley, Madonna Ferrone, Zihang Lu, Kimball Zhang, Emilie Terebessy, Andrew Scarffe, Shannon Sibbald, Cathy Faulds, Tim O'Callahan, Teresa To

Systematic review of methods of scoring inhaler technique

Ruth De Vos (Horndean, United Kingdom), Alexander Hicks, Mitch Lomax, Heather Mackenzie, Lauren Fox, Thomas P Brown, Anoop J Chauhan

Providing evidence based answers to first hand COVID and respiratory questions from the IPCRG Sentinel Network of practising primary care clinicians: A novel service report.

Alan Kaplan (Stouffville (ON), Canada), Neil Fitch, Fiona Mosgrove, Janwillem Kocks, Jaime Correia De Sousa, Ee-Ming Khoo, Karin Lisspers, Tiago Maricoto, Ioanna Tsiligianni, Tracey Lonergan, Siân Williams

Discussion and Q&A**Blue 1+2 Session 09:30 - 10:45****Oral presentation: Lost in translation: new insights into cell-to-cell crosstalk in lung disease****Disease(s) :** Thoracic oncology Airway diseases Interstitial lung diseases**Method(s) :** Cell and molecular biology**Chairs :** Suzanne Cloonan (Dublin, Ireland), Antonella Dost (Zeist, Netherlands)**Late Breaking Abstract - Evolution of epithelial-mesenchymal cell circuits in the progression of pulmonary fibrosis**

Laurens De Sadeleer (München, Germany), Yuexin Chen, Christoph Jentzsch, Zhenda Wang, Niyeti Qazi, Niklas Lang, Pascal Albanese, Andris Jankevics, Fabian Theis, Richard Scheltema, Wim Wuyts, Janine Gote-Schniering, Herbert Schiller

Basophils inhibit tumors by suppressing Tregs

Nahal Mansouri (Lausanne, Switzerland), Bruno Torchia, Simge Yucel, Christophe Von Garnier, Michele De Palma

Decoding the epithelial-T helper cell signalling axis in human asthmatic airways one cell at a time

Amanda Oliver (Cambridge, United Kingdom), Elo Madisson, Waradon Sungnak, Marijn Berg, Rakeshlal Kapuge, Laura Richardson, Claudi Semprich, Anna Wilbrey-Clark, Tessa Gillet, Kerstin Meyer, Martijn Nawijn, Sarah Teichmann

Unveiling the role of Isthmin-1 in allergic asthma: Implications for therapeutic interventions

Jong Huat Tee (Singapore, Singapore), Udhaya Vijayakumar, Mahalakshmi Shanmugasundaram, Terence Yin Weng Lam, Wupeng Liao, Yuan Sheng Yang, Wai Shiu Fred Wong, Ruowen Ge

GM-CSF increases uptake of Charcot-Leyden crystals in neutrophils and can induce NETopathic airway inflammation

Dóra Paróczai (Deszk, Hungary), Robbe Vermoesen, Helena Aegerter, Bart N. Lambrecht

Crosstalk between memory B cells and fibroblasts contributes to COPD pathogenesis

Ken Bracke (Ghent, Belgium), Merel Jacobs, Jasper Anckaert, Alen Faiz, Femke Van Gaever, Sven Verschraegen, Bihyga Salhi, Tinus Schynkel, Koen Venken, Dirk Elewaut, Phil Hansbro, Guy Brusselle, Pieter Mestdagh, Leen Seys

Dendritic cells are defective for improving survival in lung adenocarcinoma

Heloisa Zimmermann (Ribeirão Preto, Brazil), Sabrina Setembre Batah, Maria Júlia Faci Do Marco, Mateus Magalhães Lage Moraes, Danilo Tadao Wada, Saulo Brito Silva, Alexandre Todorovic Fabro

IL36γ reduces macrophage phagocytosis in COPD

Harriet Owles (London, United Kingdom), Jonathan R Baker, Peter Fenwick, Carolin K Watson, Karim C Kasmi, Peter J Barnes, Louise E Donnelly

Mapping of eosinophils, immune cell profiles, and microbes in COPD lung tissue

Caroline Lindö (Lund, Sweden), Premkumar Siddhuraj, Renan Mauch, Jimmie Jönsson, Johan Ahlgren, Prajakta Jogdand, Cecilia Andersson, Jennifer Cann, Christopher Nazaroff, Sandra Lindstedt, Thais Mauad, Caroline Sandén, Christopher Mc Crae, Jonas S Erjefält

Discussion and Q&A

Coral 2 Session 10:15 - 11:45

Symposium: Obesity and the lung: from wakefulness to sleep

Aims : to present the latest advances in basic and clinical research, with a clear translational component, about the relationship between obesity and respiratory function (from wakefulness to sleep); to identify the latest advances in the description of pathophysiological mechanisms related to obesity and pulmonary dysfunction, considering a wide age spectrum, from childhood to adulthood; to present the available evidence that shows the effect of obesity on the functional level in ventilatory mechanics; to explore recent and significant advances in the study of the gut microbiota and its relationship with the manifestation of pulmonary pathology; to present the latest studies showing the different therapeutic options and clinical management of patients with obesity hypoventilation syndrome.

Disease(s) : Airway diseases Paediatric respiratory diseases Sleep and breathing disorders

Method(s) : Physiology Pulmonary function testing Respiratory intensive care

Tag(s) : Translational

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Patient, Physiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist

Chairs : Angela Zacharasiewicz (Wien, Austria), Johan Verbraecken (Edegem (Antwerp), Belgium)

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|-------|---|
| 10:15 | Pathophysiological mechanism linking obesity and lung dysfunction: from childhood to adults
Stefania Redolfi (Cagliari, Italy) |
| 10:30 | Mechanics of the lungs and chest wall in obesity and respiratory compliance
Anne Dixon (Charlotte, United States) |
| 10:45 | Crosstalk between the gut microbiota and lung diseases
Speaker to be confirmed |
| 11:00 | Obesity and sleep-related hypoventilation: new perspectives for clinical management and therapeutic interventions
Juan Fernando Masa Jiménez (Cáceres, Spain) |
| 11:15 | Discussion and Q&A |

Coral 1 Session 10:15 - 11:45

Symposium: Infectious and noninfectious complications of immunosuppressed patients

Aims : to highlight the different complications of immunosuppressed patients; to focus on difficult-to-manage respiratory infections and innovative approaches such as phage therapy and its application, and preventive and treatment strategies for fungal pulmonary infections; to address the pathogenesis and treatment approaches of noninfectious complications, either immune-driven (chronic lung allograft dysfunction (CLAD) and graft-versus-host disease (GVHD)) or drug-related.

Disease(s) : Airway diseases Interstitial lung diseases Respiratory infections

Method(s) : Pulmonary function testing Transplantation

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Respiratory critical care physician, Patient, Physician in Pulmonary Training, Thoracic surgeon

Chairs : Federica Meloni (Pavia (PV), Italy), Torsten Gerriet Blum (Berlin, Germany)

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| 10:15 | Multidrug-resistant bacterial pulmonary infections: challenges of phage therapy
Mariagrazia Di Luca (Pisa, Italy) |
| 10:30 | Fungal infections in solid organ and bone marrow transplant recipients: preventive and treatment strategies
Husain Shahid (Toronto (ON), Canada) |
| 10:45 | Chronic lung allograft dysfunction and chronic GVHD: common pathogenic mechanisms and clinical features?
Robin Vos (Leuven, Belgium) |
| 11:00 | CLAD and chronic pulmonary GVHD: old and new therapeutic approaches
Daniel Wolff (Regensburg, Germany) |
| 11:15 | Discussion and Q&A |

Coral 4+5 Session 10:15 - 11:45

Hot topics: Disease modification in pulmonary arterial hypertension

Aims : to describe the goal for new disease-modifying treatment of pulmonary arterial hypertension (PAH); to review whether the currently available treatments really change PAH evolution; to describe new therapies affecting different signalling pathways that may modify disease progression.

Disease(s) : Pulmonary vascular diseases

Method(s) : Cell and molecular biology Physiology

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Patient, Physician in Pulmonary Training, Physiologist, Scientist (basic, translational)

Chairs : Silvia Ulrich (Zurich, Switzerland), Giovanni Viegi (Pisa (PI), Italy)

10:15	Defining disease modification in PAH Sandeep Sahay (Houston, United States)
10:30	Are approved PAH drugs disease-modifying? Olivier Sitbon (Le Kremlin-Bicêtre, France)
10:45	Sotatercept for the treatment of PAH: an update Marius M. Hoeper (Hannover, Germany)
11:00	Moving the field forward: novel pathways and targets for reverse remodelling
11:15	Discussion and Q&A

Silver Session 10:15 - 11:45

Clinical trials session: ALERT 1

Chairs : Michael Kreuter (Heidelberg, Germany), Marlies S. Wijsenbeek (Rotterdam, Netherlands)

10:15	
10:22	
10:29	
10:36	Wrap-up by discussant and discussion
10:58	
11:05	
11:12	
11:19	Wrap-up by discussant and discussion
11:41	Closing remarks

Coral 3 Session 10:15 - 11:45

Journal session: Cystic fibrosis in the era of highly effective cystic fibrosis transmembrane conductance regulator modulator therapy

Highlights from The Lancet and The Lancet Respiratory Medicine

Aims : to bring together leaders in the field to provide an overview of the clinical and research landscape in the era of highly effective cystic fibrosis transmembrane conductance regulator (CFTR) modulator therapy; to provide insights into disease mechanisms; to review progress in the development of small-molecule CFTR modulator therapies; to discuss and consider the needs of people with cystic fibrosis who are eligible for current CFTR modulators and the unmet needs of patients for whom CFTR-directed therapies are not available at present, highlight novel treatment approaches in development that could shape the future of clinical care and outline priorities for research.

Disease(s) : Airway diseases Paediatric respiratory diseases Respiratory infections

Method(s) : Cell and molecular biology General respiratory patient care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Paediatrician, Patient, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist

Chairs : Rebecca Craven (London, United Kingdom), Andrew Bush (London, United Kingdom), Raquel Duarte (Porto, Portugal)

10:15	CFTR modulator therapy: transforming the landscape of clinical care in cystic fibrosis Damian Downey (Belfast, Ireland)
10:30	Understanding and addressing the needs of people with cystic fibrosis in the era of highly effective CFTR modulator therapy Katherine Hisert (Denver, United States)
10:45	The future of cystic fibrosis treatment: from disease mechanisms to novel therapeutic approaches Marcus Mall (Berlin, Germany)
11:00	The future of clinical trials in cystic fibrosis Nicole Mayer-Hamblett (Seattle, United States)
11:15	Discussion and Q&A

Gold Session 10:15 - 11:45

Clinical cases: Lungs on fire: airway diseases?

Aims : to present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

Disease(s) : Airway diseases Pulmonary vascular diseases Interstitial lung diseases

Tag(s) : Clinical

Chairs : Omar S. Usmani (London, United Kingdom), Apostolos Bossios (Stockholm, Sweden), Vanessa M. McDonald (Newcastle (NSW), Australia)

Discussants : Emer Kelly (Dublin 4, Ireland), Marc Miravittles (Barcelona (CT), Spain)

10:15	Case 1 incl. panel discussion and Q&A - Author: L. Elsey (United Kingdom) Emer Kelly (Dublin 4, Ireland)
10:37	Case 2 incl. panel discussion and Q&A - Author: B. Martins (Portugal) Marc Miravittles (Barcelona (CT), Spain)
10:59	Case 3 incl. panel discussion and Q&A - Author: O. E. Terzi (Turkey) Emer Kelly (Dublin 4, Ireland)
11:21	Case 4 incl. panel discussion and Q&A - Author: H. Madsen (Denmark) Marc Miravittles (Barcelona (CT), Spain)

Purple Session 10:15 - 11:45

Mini symposium: Bronchoscopy in challenging situations

Respiratory failure, infectious diseases, bleeding from airways

Aims : to describe the difficulties of performing bronchoscopy in selected life-threatening situations; to describe possible complications and risks for patients and the medical team; to present potential solutions and describe use of particular devices and procedures to minimise the risk of complications and to enable the procedure to obtain diagnostic material or resolve life-threatening problems.

Disease(s) : Respiratory critical care Respiratory infections Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology Imaging Respiratory intensive care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Physician in Pulmonary Training, Radiologist, Thoracic oncologist

Chairs : Walter De Wever (Leuven, Belgium), Elżbieta Magdalena Grabczak (Warszawa, Poland), Anna Rita Larici (Roma (RM), Italy)

10:15	Patients with respiratory failure: how to make a bronchoscopic procedure still possible? Szymon Skoczyński (Katowice, Poland)
10:30	Bronchoscopy in highly contagious lung infections: what lessons did we learn from COVID-19? Lina Zuccatosta (Torrette (AN), Italy)
10:45	Bleeding from the airways: spontaneous or a complication of interventional procedures. What to do? Samira Shojaee (Richmond, United States)
11:00	Discussion and Q&A

10:30-11:45

INDUSTRY SKILLS LAB WORKSHOP

SEE PAGE 1

ERS Stand/World Village

Session

10:30 - 11:30

Public: Coffee and clean air - 1

Studio (White)

Session

10:30 - 11:15

Pro-Con debate: Rising from the ashes: exploring the benefits and challenges of early mobilisation

Aims : to provide an overview of the importance of early mobilisation in patients with acute respiratory failure; to discuss the latest research and evidence regarding the benefits and challenges of early mobilisation in acute respiratory failure, including its impact on patient outcomes and quality of life; to highlight the practical aspects of implementing early mobilisation in clinical practice, including patient selection, timing and appropriate interventions.

Disease(s) : Respiratory critical care

Method(s) : Pulmonary rehabilitation Respiratory intensive care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Nurse, Respiratory critical care physician, Respiratory physiotherapist, Respiratory therapist

Chairs : Richard Costello (Dublin 9, Ireland), Anita Simonds (London, United Kingdom)

10:30 Pro
Leo Heunks (Amsterdam, Netherlands)

10:45 Con
Nicholas Hart (London, United Kingdom)

11:00 Discussion and Q&A

Amber 3+4

Session

10:40 - 13:00

Skills workshop: SW17 Cardiac ultrasound in the management of pulmonary disease

Aims : Develop a rigorous and systematic approach in performing and analyzing cardiac ultrasound parameters in respiratory disease. Explain systolic function, diastolic function, right heart dysfunction during COPD patients, the management of pulmonary embolism. Explain the hemodynamic consequences of non-invasive ventilation and propose an echocardiographic monitoring for the best settings of non-invasive ventilation. Develop knowledge and understanding of echocardiographic parameters in patients with COPD, pulmonary embolism or requiring non-invasive ventilation.

Disease(s) : Pulmonary vascular diseases Respiratory critical care

Tag(s) : Clinical

Chairs : Paul M. Hassoun (Baltimore, United States)

10:40 Introduction

10:40 Assessment of diastolic function in COPD patients
Valentina Mercurio (Napoli, Italy)

10:40 Cardiac ultrasound assessment of right heart function
Paul M. Hassoun (Baltimore, United States)

10:40 Cardiac ultrasound for the management of pulmonary embolism
Mario Gerges (Vienna, Austria)

10:40 Hemodynamic consequences of non-invasive ventilation
Bouchra Lamia (Rouen- Le Havre, France)

Amber 1+2

Session

10:40 - 13:00

Skills workshop: SW2 Pulmonary rehabilitation: extending practice to improve health outcomes
A personalised medicine approach

Aims : to describe diagnostic methods and interventions that enable phenotyping of individuals based on the clinical problems experienced and tailoring of the content of pulmonary rehabilitation programmes to deliver a personalised approach; to describe methods for assessing the physical activity level and promoting physical activity; to assess patients who may benefit from neuromuscular electrical stimulation and to explain how to apply and progress the treatment; to describe and evaluate the incorporation of mindfulness-based interventions into pulmonary rehabilitation and their outcomes.

Disease(s) : Airway diseases Interstitial lung diseases Pulmonary vascular diseases

Method(s) : General respiratory patient care Physiology Pulmonary rehabilitation

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist

Chairs : Sarah Houben-Wilke (Horn, Netherlands)

10:40	Introduction
10:40	Physical activity assessment and intervention Henrik Watz (Großhansdorf, Germany)
10:40	Neuromuscular electrical stimulation: in who and how? Roy Meys (Horn, Netherlands)
10:40	How to improve balance and reduce falls in people undergoing pulmonary rehabilitation Marla Beauchamp (Hamilton, Canada)
10:40	Implementing mindfulness interventions into pulmonary rehabilitation Alice Malpass (Bristol, United Kingdom)

Brown 1+2 Session 11:00 - 12:15

Oral presentation: Interpretative strategies for lung function testing

Disease(s) : Airway diseases Interstitial lung diseases Respiratory critical care

Method(s) : Pulmonary function testing Physiology General respiratory patient care Epidemiology Imaging

Chairs : Monika Franczuk (Warszawa, Poland), Matthew Rutter (Cambridge (Cambridgeshire), United Kingdom)

Late Breaking Abstract - Lung volumes differentiate emphysema- vs. airway disease-dominant pathologies with distinct clinical features in tobacco-exposed persons with preserved spirometry in SPIROMICS

Mehrdad Arjomandi (San Francisco, United States), Siyang Zeng, Igor Barjaktarevic, Eugene R Bleecker, Russell P Bowler, Gerard J Criner, Alejandro P Comellas, David J Couper, Jeffrey L Curtis, Mark T Dransfield, M. Bradley Drummond, Spyridon Fortis, Meilan K Han, Nadia N Hansel, Eric A Hoffman, Robert J Kaner, Richard E Kanner, Jerry A Krishnan, Wassim Labaki, Stephen P Peters, Robert Paine III, Christopher B Cooper, Donald P Tashkin, Prescott G Woodruff

New race neutral GLI equation impacts ethnic groups differently!

Julie Maes (Leuven, Belgium), Ahmed Elmahy, Paul Desbordes, Maarten De Vos, Marko Topalovic

Effect of altitude on spirometry values in Latin American: A GLI Network ERS Clinical Research Collaboration

Laura Graciela Gochicoa Rangel (Ciudad de México, Mexico), David Martínez-Briseño, Cole Bowerman, Sanja Stanojevic, Luciano Enrique Busi, Carlos Aguirre-Franco, Santiago C Arce, Monica Gutierrez Claveria, Carlos E Rodríguez-Martínez, Ana Moya Olivares, Vanessa Vernaza, Nilda Luz Palma Chambilla, Nelson Villca-Alá, Rosario Fernández-Plata, Rogelio Perez-Padilla, Carlos Valderrábano, Solange Caussade, Luis Torre-Bouscoulet

Effect of changes in ERS-ATS 2021 bronchodilator significance reclassification on a large Australian community cohort

Thomas Ledger (Sydney, Australia), Keith Burgess

Machine learning can predict patterns of pulmonary function

Michael Tisi (Toronto, Canada), Joyce Wu, Zoltán Hantos, Shahrokh Valaei, Chung-Wai Chow

Minimal Clinically Important Difference for Impulse Oscillometry in Adults with Asthma

Mustafa Abdo (Großhansdorf, Germany), Anne Kirsten, Erika Von Mutius, Matthias Kopp, Gesine Hansen, Klaus F Rabe, Henrik Watz, Frederik Trinkmann, Thomas Bahmer

How sensitive are reversibility criteria in paediatric and adult asthma?

Samuel Wallbanks (BIRMINGHAM, United Kingdom), Paul Burns, Adel Mansur, Maximillian Thomas

Defining and grading an obstructive ventilatory disease: ATS/ERS interpretive strategies of 2005 vs 2021

Balsam Barkous (ARIANA, Tunisia), Khoulood Kchaou, Chaima Briki, Sirine Jamli, Saloua Ben Khamsa Jameleddine

Normative lung clearance index (LCI) values using a commercial open circuit washout device in children from White British and Indian Subcontinent ethnic groups

Christopher Hine (Birmingham (West Midlands), United Kingdom), Maya Desai, Elizabeth Sapcey, Jane C Davies, Prasad Nagakumar

Normative reference equations for breathlessness intensity during CPET in people aged ≥ 40 years: the CanCOLD study

Magnus Ekström (Lund, Sweden), Pei Zhi Li, Hayley Lewthwaite, Jean Bourbeau, Wan Tan, Linus Schiöler, Andrew Brotto, Michael Stickland, Dennis Jensen

Discussion and Q&A**Blue 1+2 Session 11:00 - 12:15****Oral presentation: Risks of hospitalisation and mortality from chronic lung diseases****Disease(s) :** Airway diseases**Method(s) :** Epidemiology Public health Cell and molecular biology**Chairs :** Om Prakash Kurmi (Coventry, United Kingdom)**Late Breaking Abstract - Colostrum microbiome and childhood allergy**

Caroline Lodge (Melbourne (VIC), Australia), Adrian Lowe, Xin Dai, Michael Abramson, Dharmage Shyamali

Profiles of pregnancy and early-life urban and lifestyle exposures and respiratory health in children

Alicia Guillien (LA TRONCHE, France), Rémy Slama, Maribel Casas, Leda Chatzi, Montserrat De Castro, Berit Granum, Regina Grazuleviciene, Barbara Heude, Jordi Julvez, Norun Krog, Léa Maitre, Rosemary Mceachan, Mark Nieuwenhuijsen, Bente Oftedal, Cathrine Thomsen, Jose Urquiza, Marina Vafeiadi, John Wright, Martine Vrijheid, Xavier Basagaña, Valérie Siroux

Risk of asthma in offspring of asthmatic fathers versus mothers: A population-based study of 21,000 individuals in Denmark

Morten Dahl (Køge, Denmark), Suzan Al-Shuweli, Eskild M. Landt, Christina Ellervik, Henrik E. Poulsen, Ramar Mohankumar, Alexey Fedulov

Gabapentinoids and the risk of severe exacerbations in patients with chronic obstructive pulmonary disease

Alvi Rahman (Montreal, Canada), Sophie Dell'Aniello, Erica Moodie, Madeleine Durand, Janie Coulombe, Jean-François Boivin, Pierre Ernst, Christel Renoux

Long-term outcomes between adults with and without breathlessness: a UK cohort study

Urvee Karsanji (London, United Kingdom), Claire A Lawson, Emily Petherick, Jennifer K Quint, Kamlesh Khunti, Michael C Steiner, Rachael A Evans

Fetal exposure to vitamin D and risk of altered lung function and asthma throughout childhood: a meta-analysis of 14,000 children

Júlia Sangüesa (Sant Cugat del Vallès, Spain), Tarik Karramas, Mariona Bustamante, Dolors Pelegrí, Raquel Granell, Matt Boyton, Rachel Foong, Jennie Carson, Rae-Chi Huang, John Curtin, Martine Vrijheid, Maribel Casas, Liesbeth Duijts

Treatment intensity level as a proxy for severity of COPD: A nationwide cohort study

Marie Dam Lauridsen (Århus N, Denmark), Emil Fosbøl, Søren Paaske Johnsen, Ulla Weinreich Møller, Jan Valentin

Respiratory symptom clusters and cause-specific mortality in a representative adult population

Daniil Lisik (Gothenburg, Sweden), Lowie Vanfleteren, Rani Basna, Linnea Hedman, Linda Ekerljung, Fredrik Nyberg, Göran Wennergren, Anne Lindberg, Hannu Kankaanranta, Eva Rönmark, Bright Nwaru, Helena Backman

Long-term air pollution exposure and risk of SARS-CoV-2 infection: A UK-wide cohort study

Hajar Hajmohammadi (London, United Kingdom), Mohammad Talaei, Daniela Fecht, Weiyi Wang, Giulia Vivaldi, Sian Faustini, Alex Richter, Seif Shaheen, Adrian Martineau, Aziz Sheikh, Ian Mudway, Christopher Griffiths

Lifetime body mass index trajectories and lung function and chronic obstructive pulmonary disease in the Tasmanian longitudinal health study (TAHS)

Gulshan Ali (melbourne, Australia), Dinh Bui Bui, Haydn Walters, Jennifer Perret, Bircan Erbas, Paul Thomas, Caroline Lodge, Garun Hamilton, Bruce Thompson, David Johns, John Hopper, Gayan Bowatte, Michael Abramson, Adrian Lowe, Shyamali Dharmage

Discussion and Q&A**Brown 3 Session 11:00 - 12:15****Oral presentation: Advances in the epidemiology, diagnosis and treatment of tuberculosis and non-tuberculous mycobacterial disease**

Disease(s) : Interstitial lung diseases**Method(s) :** Epidemiology Imaging Pulmonary function testing General respiratory patient care Respiratory intensive care Public health Endoscopy and interventional pulmonology**Chairs :** Alberto Garcia-Basteiro (Maputo, Mozambique), Ayşegül Fusun Öner Eyüboğlu (Ankara, Turkey)**Late Breaking Abstract - Global treatment outcomes of extensively drug-resistant tuberculosis in adults: A systematic review and meta-analysis**

Ole Skouvig Pedersen (Aarhus C, Denmark), Freja Breth Holmgard, Mads Kristian Duborg Mikkelsen, Cristoph Lange, Giovanni Sotgiu, Troels Lillebaek, Aase Bengaard Andersen, Christian Morberg Wejse, Victor Nasetholt Dahl

DLCO, spirometry and PET/CT findings after completing tuberculosis treatment - preliminary findings of StatinTB/ExtendTB trial

Karen Wolmarans (Cape Town, South Africa), Sandra Mukasa, Antoneta Mashinyira, Patrick Katoto, Fareda Jakoet-Bassier, Tessa Kotze, Christian Buess, Reto Guler, Gunar Gunther, Friedrich Thienemann

Tuberculosis drives impaired lung function: a systematic review and meta-analysis

Sharenja Ratnakumar (London, United Kingdom), Sally Hayward, Emma Denny, Lucy Goldsmith, Rebecca Evans, William Checkley, Delia Goletti, Catherine Ong, Mateusz Gotowiec, Junkai Zhu, Jon Friedland, Joanna Porter

Relationship between metformin use and mortality in tuberculosis patients with diabetes: a nationwide cohort study

Eun Ki Chung (Seoul, Republic of Korea), Dawoon Jeong, Jeongha Mok, Doosoo Jeon, Hee-Yeon Kang, Heejin Kim, Heesun Kim, Hongjo Choi, Young Ae Kang

PET-CT reveals sites yielding culturable Mycobacterium tuberculosis infection in household TB contacts with a clinical phenotype of latent infection: A descriptive case series

Jee Whang Kim (Leicester, United Kingdom), Joanne Lee, Ismail Novsarka, Gerrit Woltmann, Raman Verma, Anver Kamil, Pranabashis Halder

Diagnostic accuracy of TB PCR in bronchoalveolar lavage samples, TRiBE - a multicentre prospective UK study

Mirae Park (London, United Kingdom), Giovanni Satta, Joan Nanán, Beatriz Tomas-Cordero, Meg Coleman, Laura Martin, Osman Hatem, Kavina Manalan, Arnab Datta, Ashley Whittington, Parul Kalia, Michael Loebinger, Helen Burgess, Lianne Castle, Heinke Kunst, Ronan Breen, Anne Dunleavy, Mohammed Munavvar, Prasheena Naran, Marc Lipman, Thomas Gorsuch, Pranab Halder, Onn Min Kon

Programmatic management of bedaquiline-pretomanid-linezolid regimens in Georgia.

Nana Kiria (Tbilisi, Georgia), Zaza Avaliani, Tamar Togonidze, Lali Mikiashvili

2 versus 3-drug regimen to treat Mycobacterium avium complex infection: a systematic review and meta-analysis

Dong Nguyen Van (Danang, Vietnam), Hai Duong, Ming-Chia Lee, Chih-Hsin Lee

Electronic nose in differentiating and ascertaining clinical status among patients with pulmonary nontuberculous mycobacteria: a prospective multicenter study

Jann-Yuan Wang (Taipei, Taiwan), Meng-Rui Lee, Hung-Ling Huang

Longitudinal lung function in bronchiectasis patients with mycobacterium abscessus pulmonary disease

Ying Na Ho (Singapore, Singapore), Keith Zhi Xian Toh, John Arputhan Abisheganaden, Albert Yick Hou Lim

Discussion and Q&A**Red 1+2 Session 11:00 - 12:15****Oral presentation: Novel insights for the management of interstitial lung disease of known cause****Disease(s) :** Interstitial lung diseases**Method(s) :** Epidemiology General respiratory patient care Imaging Cell and molecular biology Pulmonary function testing Palliative care Physiology**Chairs :** Elena Bargagli (Siena, Italy), Kseniia Bielosludtseva (Dnepropetrovsk, Ukraine)**Late Breaking Abstract - A pilot study of telemonitoring to detect acute exacerbations in fibrosing interstitial lung diseases**

Hongyan Fu (Yinchuan, China), Juan Chen

The automated e-Lung CT algorithm is more prognostic than lung function in patients with non IPF fibrotic ILD; a validation study

Peter George (London, United Kingdom), Christian Rennison-Jones, Giacomo Benvenuti, Wassim Bou-Zeid, Olivier Joly, Stephen Gerry, Claire Fernandez, George Harston, Anand Devaraj

Dendritic cells as a potential new tool in predicting patient's survival in airway-centered interstitial fibrosis

Mateus Magalhães Lage Moraes (RIBEIRAO PRETO, Brazil), Wagner Moneda Telini, Sabrina Setembre Batah, Maria Julia Faci Do Marco, Heloisa Acurcio Zimermam, Danilo Tadao Wada, Andrea De Cássia Vernier Antunes Cetlin, Marcel Koenigkam Santos, Tales Rubens De Nadai, Alexandre Todorovic Fabro

Electronic nose technology detects connective tissue disease-associated interstitial lung disease

Karen Moor (Rotterdam, Netherlands), Iris G. Van Der Sar, Marlies S. Wijssenbeek

AI-based quantification of ILD and pulmonary vasculature in a retrospective SSc-ILD cohort correlates with pulmonary function test: a perspective from the PROFILE.net ERS Clinical Research Collaboration

Julien Guiot (Liège, Belgium), Fanny Gester, Monique Henket, Benoit Ernst, Clio Ribbens, Béatrice André, Renaud Louis, Leticia Gallardo Estrella, Jonne Engelberts, Jean-Paul Charbonnier

Unveiling common molecular pathways linked to ILDs with progressive fibrosing phenotype: the role of MUC5B promoter variants

Helder Novais Bastos (Lousada, Portugal), Rita Santos, Catarina Gouveia Cardoso, Patrícia Caetano Mota, David Coelho, Melany Gonçalves, Andreia Coelho, Oksana Sokhatska, Marília Beltrão, Susana Guimarães, Conceição Souto Moura, André Carvalho, Luís Delgado, Miguel Soares, Natália Melo, André Terras Alexandre, António Morais, Margarida Saraiva

Novel e-Lung CT biomarkers combine to provide higher prognostic discrimination than FVC in patients with non-IPF fibrotic interstitial lung disease

Peter George (London, United Kingdom), Giacomo Benvenuti, Christian Rennison-Jones, Wassim Bou-Zeid, Olivier Joly, Stephen Gerry, Claire Fernandez, George Harston, Anand Devaraj

Skin transcriptomes link severity of skin involvement and lung function impairment in systemic sclerosis

Jana Zielonka (New Haven, United States), Ningshan Li, Zuoheng Wang, Xiting Yan, Jose Gomez

Progression of interstitial lung disease in systemic sclerosis does not predict further progression

Anna Maria Hoffmann-Vold (Oslo, Norway), Liubov Petelytska, Håvard Fretheim, Imon Barua, Hilde Bjørkekjær, Mike Becker, Cathrine Brunborg, Cosimo Brunio, Phuong Phuong Diep, Rucsandra Dobrota, Michael Durham, Muriel Elhai, Suzana Jordan, Emily Langballe, Øyvind Midtvedt, Carina Mihai, Øyvind Molberg, Oliver Distler

Rheumatoid arthritis and idiopathic pulmonary fibrosis: a bidirectional Mendelian randomisation study

Joshua Solomon (Denver, United States), Olivia C. Leavy, Leticia Kawano-Dourado, Ian D. Stewart, Jennifer K. Quint, Raphael Borie, Bruno Crestani, Louise V. Wain, R. Gisli Jenkins, Philippe Dieude, Cosetta Minelli

Discussion and Q&A**Yellow 1+2+3 Session 11:00 - 12:15****Oral presentation: From the transcriptome landscape to innovative preclinical models in lung diseases**

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#)

Method(s) : Cell and molecular biology Physiology

Chairs : Arnaud Mailleux (Paris, France), Sara Cuevas Ocaña (Nottingham, United Kingdom)

Late Breaking Abstract - Development of a bronchial epithelium with a sensory innervation both derived from induced pluripotent stem cells

FLORENT FOISSET (ILLKIRCH CEDEX, France), Christine Lehalle, Amel Nasri, Carine Bourdais, Lisa Morichon, Isabelle Vachier, Said Assou, Arnaud Bourdin, John De Vos, Nelly Frossard

Late Breaking Abstract - Volatile organic compounds in exhaled breath reflect physiological changes in ultramarathon runners

Hsuan Chou (Cambridge, United Kingdom), Kayleigh Arthur, Elen Shaw, Chad Schaber, Billy Boyle, Max Allsworth, Eli Kelley, Glenn Stewart, Courtney Wheatley, Jess Schwartz, Catlin Fermoye, Briana Ziegler, Kay Johnson, Paul Robach, Patrick Basset, Bruce Johnson

Identification of abnormal airway niches in the fibrotic lung using Spatial Transcriptomics

Aurélien Justet (Caen, France), Jiayi Zhao, Taylor Adams, Agshin Balayev, Thomas Barnthaler, Sam Raredon, Fernando Poli De Frias, Juan Cala-Garcia, John McDonough, Amy Zhao, Liu Yunqing, Li Ningshan, Wang Anita, Ivan Rosas, Xiting Yan, Naftali Kaminski

Single-cell RNA sequencing of bronchoalveolar lavage reveals pro-inflammatory macrophage activation in fibrotic hypersensitivity pneumonitis

Avraham Unterman (Tel Aviv, Israel), Tali Hana Bar-Lev, Yan Stein

Transcriptomic landscape of post-covid-19 pulmonary fibrosis (PCPF): insights and implications of bronchoalveolar lavage (BAL)

Mohammad Shadab Ali (New Delhi, India), Vijay Hadda, Anita Chopra, Sonia Verma, Anant Mohan

LSC - 2023 - In vitro modelling of respiratory infections in Idiopathic Pulmonary Fibrosis using patient-specific hiPSC-derived alveolar epithelial cells

Serna Valverde Ana Lilia (Nottingham, United Kingdom), Liam Reed, Sara Cuevas Ocaña, Peggy Cho Kiu Lo, Amanda Tatler, Gisli Jenkins, Nicholas Rf Hannan

Preclinical evaluation of HL001, a novel lysophosphatidic acid 1 (LPA1) receptor antagonist, for idiopathic pulmonary fibrosis utilizing physiologically relevant stem cell-derived lung organoids

Yuki Yamamoto (Kyoto, Japan), Tetsuharu Nagamoto, Harry Choi, Shunsuke Ito, Masako Kishihata, Noriaki Iwase, Kenichi Arai, Masahiro Kojima, Kenji Nishikawa, Eiji Okanari, Yuuko Shinohara

Lung regeneration for inherited interstitial pulmonary fibrosis using a novel combinatorial AAV gene therapy

Pauline BARDIN (Paris, France), Liqun Xu, Yanlong Pei, Kennedy Nangle, Arul Vadivel, Shumei Zhong, Emily Martin, Tim Weaver, Sarah Wootton, Bernard Thébaud

Dual $\alpha V\beta 6/\alpha V\beta 1$ integrin inhibitor bexotegast reduces fibrogenesis in pathological cell populations present in the fibrotic human lung

Martin Decaris (South San Francisco, United States), (,), Mahru An, Richard Ahn, Steve Ho, Vikram Rao, Erine Budi, Brenda Ho, Jessie Lao, Chris Her, Paul Wolters, Tushar Desai, Johanna Schaub, Scott Turner

Involvement of the CXCR4/CXCL12 axis in skeletal muscle wasting in a murine model of Chronic Obstructive Pulmonary Disease (COPD)

Pauline Henrot (Pessac, France), Pierre Schilfarth, Marilyne Campagnac, Elise Maurat, Pauline Estèves, Jean-William Dupuy, Reshed Abohalaka, Olivier Chassande, Maéva Zysman, Patrick Berger, Isabelle Dupin

Discussion and Q&A**Studio (White)****Session****11:45 - 13:20****Year in review: Paediatric year in review****Aims :** to provide an update on four topics in paediatric respiratory medicine, namely, paediatric asthma in low-income settings, imaging in paediatric respiratory diseases, primary ciliary dyskinesia and long-term consequences of preterm birth; to highlight the most recent and significant literature and developments relating to these topics.**Disease(s) :** Airway diseases Paediatric respiratory diseases Respiratory infections**Method(s) :** Epidemiology Imaging Public health**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Paediatrician, Physician in Pulmonary Training, Radiologist, Scientist (basic, translational), Journalist**Chairs :** Monika Gappa (Düsseldorf, Germany), Susanne Vijverberg (Amsterdam, Netherlands)**11:45 Asthma care in low-resource settings: towards solutions**
Refiloe Masekela (Pretoria, South Africa)**12:00 Imaging in paediatric respiratory diseases: where are we now?**
Pierluigi Ciet (Rotterdam, Netherlands)**12:15 Discussion and Q&A****12:30 Break****12:35 Primary ciliary dyskinesia: diagnosis and management**
Amelia Shoemark (Dundee (Angus), United Kingdom)**12:50 Preterm birth and long-term consequences**
Sailesh Kotecha (Cardiff (South Glamorgan), United Kingdom)**13:05 Discussion and Q&A****12:15-13:15****INDUSTRY LUNCHTIME SYMPOSIUM****SEE PAGE 1****PS-1 in poster area****Session****12:30 - 14:00****Poster session: Rehabilitation of chronic respiratory diseases**

Disease(s) : Airway diseases Interstitial lung diseases Thoracic oncology

Method(s) : Pulmonary rehabilitation General respiratory patient care Physiology Pulmonary function testing Epidemiology Surgery Public health

Chairs : Anouk W. Vaes (Horn, Netherlands), Jennifer Alison (Killara (NSW), Australia)

Body Reprogramming for the extra-pulmonary symptoms of severe asthma

Joseph Lanario (Plymouth (Devon), United Kingdom), Drew Davies, Michael Hyland, Rupert Jones, Matthew Masoli

Patient views on pulmonary rehabilitation and maintenance programs: a French national survey

Francois Alexandre (Lodeve, France), Virginie Molinier, Amandine Calvat, Laurene Charbonnel, Benjamin Eichenauer, Magali Poulain, Estelle Villiot-Danger, Catherine Miffre, Nicolas Oliver, Nelly Héraud

Occupational asthma and allergic asthma: differences in the physical activity level, clinical control, and airway inflammation

Ronaldo Aparecido Da Silva (São Paulo (SP), Brazil), Lucas Rodrigues Silva Freitas, Francine Maria De Almeida, Clóvis Eduardo Santos Galvão, Soraia Felix Nogueira, Suellen Karoline Moreira Bezerra, Celso Ricardo Fernandes De Carvalho, Kaique Alves De Araujo, Fabiola Matos Da Cruz, Rosana Câmara Agondi, Milton Arruda Martins, Iolanda De Fátima Lopes Calvo Tibério, Beatriz Manguera Saraiva-Romanholo

Rehabilitation outcomes for an exercise based multi-morbid rehabilitation programme – a survey of healthcare professionals

Sally J. Singh (Leicester (Leicestershire), United Kingdom), Susan Smith, Frances Mair, Rachael Evans, Paulina Daw, Colin Greaves, Sharon Simpson, Rod Taylor

Effect of adding cognitive training to pulmonary rehabilitation program in patients with chronic obstructive pulmonary diseases: a randomized controlled trial.

oussama Tabka (Evry courcouronnes, France), Marwa Mekki, Amal Acheche, Monia Zaouali, Yassine Trabelsi

Comparison of the effects of pulmonary and cognitive telerehabilitation in severe COPD

Amine Atac (Istanbul, Turkey), Esra Pehlivan, Fulya Senem Karaahmetoglu, Zeynep Betul Ozcan, Halit Cınarka, Mustafa Cortuk, Kursad Nuri Baydili, Erdogan Cetinkaya

Chronic obstructive pulmonary disease in elderly

Sabrina Majdoub Fehri (Nabeul, Tunisia), Rahma Sellami, Imen Ketata, Hamida Kwass

Breathlessness and disability in different domains of life: a population-based, cross-sectional study

Slavica Kočovska (Sydney, Australia), Diana Ferreira, Sungwon Chang, Vanessa Brunelli, Deidre Morgan, Thomas Similowski, Miriam Johnson, Magnus Ekström, David Currow

Feasibility of a shared decision-making intervention for individuals with COPD considering Pulmonary Rehabilitation

Sally J. Singh (Leicester (Leicestershire), United Kingdom), Amy Barradell, Hilary Bekker, Linzy Houchen-Wolloff, Kim Marshall-Nichols, Noelle Robertson

Effects of a respiratory physiotherapy program on extraesophageal reflux disease symptoms

Pavla Horova (Pardubice, Czech Republic), Martin Dvoracek, Ana Oliveira, Katerina Raisova

An overview of systematic reviews of exercise-based interventions for people with long-term conditions

Lucy Gardiner (Leicester, United Kingdom), Grace O Dikken, Hannah M L Young, Sally Singh, Rod S Taylor, Perform Collaborative Group

Correlation between a new incremental step test and the incremental shuttle walk test in people with COPD

Rui Vilarinho (Maia, Portugal), Tânia Gonçalves, Cátia Caneiras, António Mesquita Montes

Comprehensive Geriatric Assessment for people with COPD and frailty starting pulmonary rehabilitation: a mixed methods feasibility RCT

Lisa Jane Brighton (London, United Kingdom), Catherine J Evans, Morag Farquhar, Katherine Bristowe, Aleksandra Kata, Jade Higman, Margaret Ogden, Claire M Nolan, Deokhee Yi, Wei Gao, Maria Koulopoulou, Sharmeen Hasan, Karen Ingram, Stuart Clarke, Kishan Parmar, Eleni Baldwin, Claire J Steves, William D C Man, Matthew Maddocks

Educational needs of patients with COPD and asthma entering pulmonary rehabilitation and their significant others: a cross-sectional study

Anouk Muijsenberg (Panningen, Netherlands), Sarah Houben-Wilke, Jan Tatousek, Joyca Lacroix, Martijn Spruit, Daisy Janssen

Co-designing chronic lung disease education resources with Aboriginal Health Workers (AHWs) and exercise physiologists (EPs)

David P Meharg (Camperdown, Australia), Sarah M Dennis, Justin McNab, Kylie G Gwynne, Christine R Jenkins, Graeme P Maguire, Stephen Jan, Tim Shaw, Zoe McKeough, Boe Rambaldini, Vanessa Lee, Debbie Mccowen, Jamie Newman, Scott Monaghan, Hayley Longbottom, Sandra J Eades, Jennifer A Alison

Is longer really better? Results of a real-life study comparing once- versus twice-weekly home-based pulmonary rehabilitation session in people with COPD.

Sarah Gephine (Pérenchies, France), Olivier Le Rouzic, Cecile Chenivresse, Jean-Marie Grosbois

Development of a questionnaire to capture perspectives of COPD patients undergoing pulmonary rehabilitation (PR): An ongoing process.

Adis Halilovic (Hartford, United States), Bruce Bernstein, Rebecca Crowell, Mary Gawlicki, Jane Reardon, Kendra Williams, Richard Zuwallack

Association of physical activity and CAT score in a longitudinal COPD cohort

Maximilian Boesch (St.Gallen, Switzerland), Frank Rassouli, Florent Baty, Martin Brutsche

Physical performance of non-small cell lung cancer patients 3 months post treatment initiation compared to healthy peers

Eva Arents (Knokke, Belgium), Kirsten Quadflieg, Sarah Haesevoets, Fien Hermans, Maarten Criel, Marc Daenen, Eric Derom, David Ruttens, Martijn A. Spruit, Dieter Stevens, Veerle Surmont, Michiel Thomeer, Chris Burtin, Heleen Demeyer

Pulmonary rehabilitation survey in Japan in 2022; comparison with survey in 2014

Hideki Katsura (Tokyo, Japan), So Imamura

PS-2 in poster area**Session****12:30 - 14:00****Poster session: The lung after COVID-19: sequelae and functional recovery****Disease(s) :** Respiratory critical care Airway diseases Pulmonary vascular diseases Interstitial lung diseases**Method(s) :** General respiratory patient care Imaging Public health Physiology Pulmonary function testing Pulmonary rehabilitation Respiratory intensive care**Chairs :** Rainer Gloeckl (Schoenau am Koenigssee, Germany), Damien Bachasson (Paris, France)**Mechanisms of impaired gas diffusion following hospitalisation for severe COVID-19 pneumonitis utilising nitric oxide**

Leigh Seccombe (Sydney (NSW), Australia), David Heath, Claude Farah, James Di Michiel, Elizabeth Veitch, Matthew Peters

Characterisation of cardiopulmonary exercise tolerance in patients with COVID19 sequelae

Achim Grünewaldt (Darmstadt, Germany), Tara Azem, Carla Bellinghausen, Cornelius Lask, Christian Hügel, Alexander Seeger, Yascha Khodamoradi, Eva Herrmann, Maria Vehreschild, Gernot Rohde

Oximetry at hospital admission as a predictor of persistence of tomographic and pulmonary functional impairment after 3-6 months in hospitalized patients with COVID-19.

Bruna Scharlack Vian (Campinas, Brazil), Pedro Maximink Esteves Villar, Paulo Roberto Araújo Mendes, Tatiana Alves Kiyota, Lígia Dos Santos Roceto Ratti, Laís Bacchin De Oliveira, Ana Lúcia Cavallaro Baraúna Lima, Hugo Dugolin Ceccato, Julian Furtado Silva, Wander De Oliveira Villalba, Lucieni De Oliveira Conterno, Mariângela Ribeiro Resende, Mônica Corso Pereira

Long term respiratory effects of COVID-19 pneumonitis in patients underwent veno-venous extracorporeal membrane oxygenation

Alexandra Pálfi (Szeged, Hungary), Gabriella Polónyi, Ádám Balogh, Éva Zöllei, Péter Hankovszky, Anita Korsós, Zoltán Varga, Gábor Bari, Zsófia Csorba, László Rudas, Ferenc Peták, Barna Babik

Association of Composite Physiologic Index with dyspnea, disability and submaximal exercise tolerance in COVID-19 survivors

Sirine Jamli (Kairouan, Tunisia), Khoulood Kchaou, Balsam Barkous, Chaima Briki, Saloua Ben Khamsa Jameleddine

Correlation between Distance-Saturation Product and Composite Physiologic Index in COVID-19 survivors

Sirine Jamli (Kairouan, Tunisia), Khoulood Kchaou, Soumaya Khaldi, Chaima Briki, Balsam Barkous, Saloua Ben Khamsa Jameleddine

Predictors of reduced 6-minute walk distance among critically ill COVID-19 survivors

Rahma Ben Jazia (Sousse, Tunisia), Dhoha Ben Braiek, Safa Ben Mansour, Yosri Ben Ali, Henda Zorgati, Haifa Sfar, Oussama Saadaoui, Amani Kacem, Anis Maatallah, Jihene Ayachi

Pulmonary vascular volume distribution and oxygen saturation during exercise in patients with post-acute sequelae of COVID-19 (PASC)

Kris Ides (Antwerpen, Belgium), Wendel Dierckx, Yinka De Meyer, Erik Franck, Eline Lauwers, Ben Lavon, Jan De Backer, Bita Hajian, Wilfried De Backer

Exercise capacity in a cohort of patients with post-Covid-19 syndrome

Timo Mustonen (Vantaa, Finland), Mari Kanerva, Ritva Luukkonen, Arja Uusitalo, Tatiana Posharina, Helena Liira, Päivi Piirilä

Gender differences in hospitalized COVID-19 patients: Focusing on markers of endothelial dysfunction and the survival rate

Audrey Borghi Silva (São Carlos (SP), Brazil), MURILO OLIVEIRA, Bianca Domingos, Guilherme Back, Cássia Goulart, Audrey Borghi-Silva

Unexplained lung function differences in dyspnoeic non-hospitalised Long-COVID (NHLC) patients and asymptomatic fully recovered COVID-19 controls - the EXPLAIN study

Kher Ng (London, United Kingdom), James Grist, Laura Saunders, Guilhem Collier, Avianna Laws, Gabriele Abu Eid, Nina Kainth, Scarlett Strickland, Lotta Gustafsson, Siby Thomas, Lily Dryhurst-Pearce, Laurie Smith, Violet Matthews, Kenneth Jacob, Jenny Rodgers, Amany Elbehairy, Samantha Jones, Helen Davies, Alexander Horsley, Roger Thompson, Emily Fraser, Jim Wild, Fergus Gleeson

High fat mass is associated with non-recovery among females following COVID-19 hospitalisation

Hamish McAuley (Leicester, United Kingdom), Cara Flynn, George Mills, George Mills, Molly Baldwin, Charlotte E Bolton, Christopher E Brightling, Omer Elneima, Paul L Greenhaff, William D-C Man, Sally J Singh, Michael Steiner, Louise V Wain, Janet M Lord, Rachael A Evans, Neil J Greening

Dose post-exercise heart rate recovery time predict subclinical heart damage in non-severe covid survivors? A lesson from cardiopulmonary exercise test

Mehrnaz Asadi Gharabaghi (Tehran, Islamic Republic of Iran), Seyedeh Zahra Fotook Kiaei, Hossein Kazemizadeh, Atefeh Roumi, Omalbanin Paknejad

Long term pulmonary sequelae of COVID-19 pneumonia among recovered healthcare workers using High Resolution Chest CT scan and mMRC score

Gayle Francez Monique Tandoc (Baguio City, Philippines), Maria Luella De Leon, Bernard Demot, Cajulao Thea Pamela, Haya Larry, Dulay Tyrone, Pagalanan Jason

Combination of tachycardia, brain fog, and dizziness in a cohort of patients with post-Covid-19 syndrome

Timo Mustonen (Vantaa, Finland), Mari Kanerva, Ritva Luukkonen, Arja Uusitalo, Tatiana Posharina, Helena Liira, Päivi Piirilä

Long COVID symptoms in intensive care unit survivors, a prospective study

Rahma Ben Jazia (Sousse, Tunisia), Yosri Ben Ali, Safa Ben Mansour, Khalil Attia, Dhouha Ben Braiek, Hend Zorgati, Sourour Bel Haj Youssef, Amani Kacem, Anis Maatallah, Ahmed Jamel, Houda Belkhiria, Jihene Ayachi

Long term changes in pulmonary function among ICU COVID19 survivors

Rahma Ben Jazia (Sousse, Tunisia), Yosri Ben Ali, Safa Ben Mansour, Rihab Boubtane, Dhouha Ben Braiek, Hend Zorgati, Sourour Bel Haj Youssef, Amani Kacem, Anis Maatallah, Ahmed Jamel, Houda Belkhiria, Jihene Ayachi

Exercise Training Improves Exercise Capacity and Quality of Life in Long Haul COVID Patients-Preliminary Results

William Stringer (Long Beach, United States), Asghar Abbasi, Michelina Iacovino, Jaqueline Tosolini, Chiara Gattoni, Christopher Hwe, Mary Burns, Charles Lanks, Carrie Ferguson, Harry Rossiter, Richard Casaburi

Exercise tolerance in patients with long COVID-19 syndrome: a combined cardiopulmonary exercise testing and echocardiographic study

Angelos Vontetsianos (ATHENS, Greece), Nikolaos Chynkiamis, Maria Ioanna Gounaridi, Christina Anagnostopoulou, Evaggelia Koukaki, Agamemnon Bakakos, Evangelos Oikonomou, Emmanouil Vavouranakis, Georgios Kaltsakas, Ioannis Vogiatzis, Antonia Koutsoukou, Nikolaos Koulouris

One year evolution of abnormal breathing during exercise in patients with post COVID-19 condition

Kristofer Hedman (Linköping, Sweden), Anna Von Gruenewaldt, Frida Nikesjö, Karolina Kristenson, Eva Nylander

PS-11 in poster area**Session****12:30 - 14:00****Poster session: Smoking cessation****Disease(s) :** Interstitial lung diseases Thoracic oncology Airway diseases Sleep and breathing disorders**Method(s) :** Cell and molecular biology Imaging General respiratory patient care Epidemiology Pulmonary function testing Public health**Chairs :** Paraskevi Katsaounou (Athens, Greece), Siyu Dai (Hangzhou, China)**Healthy lungs for life for schools – developing an early life intervention to prevent chronic adult lung disease (a CADSET pilot project)**

Pippa Powell (Sheffield (South Yorkshire), United Kingdom), Jessica Denning, Paola Pierucci

An example of comprehensive approach to tobacco cessation: Collaboration with Rheumatology Clinic

Dilek Karadoğan (Rize, Turkey), Osman Cüre, Tahsin Gökhan Telatar, Kadir İlkılıç

Effectiveness of smoking cessation program in hospitalized patients

Dilek Karadoğan (Rize, Turkey), Esin Bilgin Konyalıhatipoğlu, Tahsin Gökhan Telatar, Ünal Şahin

Strategies to deliver smoking cessation interventions during targeted lung health screening, a systematic review and meta-analysis.

Parris Williams (London, United Kingdom), Keir Philip, Saeed Alghamdi, Alexis Perkins, Sara Buttery, Michael Polkey, Anthony Laverty, Nicholas Hopkinson

E-cigarettes dependence comparing to traditional cigarettes: a pilot Tunisian study

Nour Mahmoud (Tunis, Tunisia), Chirine Moussa, Houda Rouis, Abdelnadher Mahdi, Maalej Sonia

Smoking behavior change and the risk of pneumonia hospitalization among patients with diabetes mellitus

Dong-Woo Han (Seoul, Republic of Korea), Wonyoung Jung, Kyu Na Lee, Kyungdo Han, Dong Wook Shin, Sei Won Lee

Lung cancer as a comorbidity in patients with Combined Pulmonary Fibrosis and Emphysema Syndrome

Jolanda Nikolla (Tirana, Albania), Daniela Xhemalaj

Impact of COVID-19 pandemic on change in tobacco use behavior

Makiko Kanai (Kyoto, Japan), Osamu Kanai, Takahiro Tabuchi, Tadashi Mio

Prevalence of smoking in adolescents.

Khurshidbek Tashmetov (Tashkent, Uzbekistan), Naima Ubaydullaeva, Gulchekhra Tashmetova

COMPARISON OF RESPIRATORY SYMPTOMS AMONG ADULTS WITH VERSUS WITHOUT VAPING, SMOKING, AND DUAL-USE: A CROSS-SECTIONAL STUDY IN A CALL CENTER IN QUEZON CITY

Catherine Joy Tubig (Quezon city, Philippines), Ma. Encarnita Limpin

Impacts of the COVID-19 Pandemic on Smoking Cessation Success

Muzaffer Onur Turan (Izmir, Turkey), Pakize Ayşe Turan

Effect of five years heated tobacco products use on health-Comparison with smoking cessation

Shin-ichi Hagiwara (Tochigi, Japan), Hiroo Wada

Smoking Cessation in patients with severe mental illness

Adamadia Liapikou (Athens, Greece), Vasiliki Ntounmou

Factors Associated with the Early Initiation of Smoking

Parakkal Sukumaran (Kottayam (Kerala), India), Thomas Beena, Joy Thomas, M Midhun, P Rekha, K P Venugopal, Ninan Mathew

Telemedicine as a tool in the smoking cessation clinic – 154 cases in 2 years in the largest city in Latin America.

Telma Cassia Santos Nery (São Paulo (SP), Brazil), Stella R Martins, Gustavo Correa De Almeida, Jefferson Benedito Pires Freitas, Lavinia Clara Del Roio, Rafael Futoshi Mizutani, Carlos Roberto Ribeiro Carvalho

Outcomes of Adult Filipino Smokers enrolled in the Quitline and Compassionate Use of Nicotine Patch at the Lung Center of the Philippines from June 2021 to June 2022

Karina Mae Cheng (Quezon City, Philippines), Russel Jean Cervas, Glynn Ong-Cabrera, Racquel Ibañez, Vincent Jr Balanag

Changes in smoking behavior among healthcare professionals after COVID-19 pandemic

Hana Blibech (Ariana, Tunisia), Soumaya Debbiche, Nozha Ben Salah, Houda Snene, Sameh Belhaj, Nadia Mehiri, Bechir Louzir

Smoking among Tunisian medical professionals suffering from burnout syndrom during the COVID 19 pandemic.

Dorra Gharbi (Sfax, Tunisia), Rahma Gargouri, Nour Gargouri, Ahmed Dhia Elleuch, Sameh Msaad, Nedja Moussa, Samy Kammoun

Predicting factors of the success of smoking cessation

Takwa Bejaoui (Tunis, Tunisia), Rahma Gargouri, Mariem Ayadi, Ahmed Dhia Elleuch, Nesrine Kallel, Hajer Ayadi, Najla Bahloul, Samy Kammoun

Use of obstructive airway medication in Denmark dependent of age – past and present.

Peter Ascanius Jacobsen (Aalborg, Denmark), Kristian Kragholm, Christian Torp-Pedersen, Ulla Møller Weinreich

PS-3 in poster area

Session

12:30 - 14:00

Poster session: Acute respiratory distress syndrome

Disease(s) : Respiratory critical care Interstitial lung diseases Airway diseases

Method(s) : Public health General respiratory patient care Respiratory intensive care Physiology Imaging Epidemiology

Chairs : Lieuwe D.J. Bos (Amsterdam, Netherlands), Chair to be confirmed

ARDS mortality prediction model using evolving clinical data and chest x ray imaging
Ana Cysneiros (Lisboa, Portugal), Tiago Galvão, Nuno Domingos, Pedro Jorge, Luis Bento

Development and validation of a diagnostic model for acute respiratory distress syndrome based on volatile organic compounds in exhaled breath

Shiqi Zhang (Amsterdam, Netherlands), Laura A. Hagens, Nanon F.L. Heijnen, Marcus J. Schultz, Tom Van Der Poll, Marry R. Smit, Ronny M. Schnabel, Dennis C.J.J Bergmans, Lieuwe D.J. Bos

Modeling lung ventilation in de novo acute respiratory failure: a bench study

Elise Artaud Macari (Rouen, France), Emeline Fresnel, Adrien Kerfourn, Christian Caillard, Robin Thevenin, Clemence Roussel, David Debeaumont, Marie-Anne Melone, Gurvan Le Bouar, Pierre-Alexandre Roger, Luis-Carlos Molano, Francis-Edouard Gravier, Tristan Bonnevie, Clement Medrinal, Mathieu Salaun, Antoine Cuvelier, Christophe Girault

Physiological effects of lung protective ventilation in patients with lung fibrosis and usual interstitial pneumonia pattern versus primary ARDS: a preliminary matched-control study

Roberto Tonelli (Modena, Italy), Salvatore Grasso, Andrea Cortegiani, Lorenzo Ball, Giulia Bruzzi, Antonio Moretti, Francesco Murgolo, Rossella Di Mussi, Dario Andrisani, Filippo Gozzi, Ivana Castaniere, Riccardo Fantini, Luca Tabbi, Stefania Cerri, Anna Valeria Samarelli, Giulia Raineri, Giacomo Grasselli, Enrico Clini, Alessandri Marchioni

Modeling lung ventilation of control and patients with lung fibrosis at rest and effort: a bench study

Elise Artaud Macari (Rouen, France), Emeline Fresnel, Adrien Kerfourn, Clemence Roussel, David Debeaumont, Christian Caillard, Marie-Anne Melone, Gurvan Le Bouar, Pierre-Alexandre Roger, Luis-Carlos Molano, Francis-Edouard Gravier, Tristan Bonnevie, Clement Medrinal, Mathieu Salaun, Antoine Cuvelier, Christophe Girault

Serial metabolic lung biopsies identify candidate metabolites of ARDS pathogenesis

Kathleen Stringer (Ann Arbor, United States), Ruchi Sharma, Christopher Gillies, Mohammad Tiba, Brendan Mccracken, Thomas Flott, Menglian Zhou, Kristine Konopka, Michael Sjoding, Kevin Ward, Robert Dickson

Association between fluid balance and clinical outcomes in pediatric acute respiratory distress syndrome: A single-center retrospective cohort study

JIEUN YOO (seoul, Republic of Korea), Hamin Kim, Yun Young Roh, Mireu Park, Jong Deok Kim, Min Jung Kim, Yong Ju Lee, Yoon Hee Kim, Kyung Won Kim, Myung Hyun Sohn, Soo Yeon Kim

In Taiwan Comparing ARDS Severity: Berlin Definition vs Lung Injury Score

Chang Yujen (Taichung City, Taiwan), Chi Shuhua

Time to disrupt VILI with mixed high-frequency oscillatory and negative-pressure ventilation?

Daniel Black (Harrington Park, Australia), Liliana Black, Simon Black

Modeling lung ventilation in acute exacerbation of interstitial lung diseases: a bench study

Elise Artaud Macari (Rouen, France), Emeline Fresnel, Adrien Kerfourn, Christian Caillard, Robin Thévenin, Clemence Roussel, David Debeaumont, Marie-Anne Melone, Gurvan Le Bouar, Pierre-Alexandre Roger, Luis-Carlos Molano, Francis-Edouard Gravier, Tristan Bonnevie, Clément Médinal, Mathieu Salaun, Antoine Cuvelier, Christophe Girault

Effectiveness of ECCO2-R in AE-COPD with hypercapnic acute respiratory failure, at risk of unsuccessful NIV treatment, to avoid endotracheal intubation: a rational of use

Salvatore Longobardi (Milan, Italy), Sara Bombelli, Jacopo Civello, Vincenzo Bocchino, Michele Chiericozzi, Francesco Squillante, Paolo Tarsia

FINANCIAL ANALYSIS OF TWO HIGH AND LOW COMPLEXITY INTERMEDIATE RESPIRATORY CARE UNITS

Marina Galdeano Lozano (Montcada I Reixach (Barcelona), Spain), Sarah Beatrice Heili-Frades Zimmermann, Adriana Martin Pascual, Toni Marin Muñoz, Irene Aldàs Criado, Monica Matute Villacis, Julio Alfaro Alvarez, Ana Nuñez Condominas, Antoni Rosell Gratacós, Jorge Abad Capa, Olga Parra Ordaz

Methodological approaches for the determination of diaphragm atrophy and dysfunction during invasive ventilation.

Jens Spiesshoefer (Aachen, Germany), Mehdi Senol, Binaya Regmi, Faniry Ratsimba, Oscar Gorol, Mustafa Elfeturi, Benedikt Jörn, Alexander Kersten, Michael Dreher

Relationship between cytokine storm and hospital mortality in severe coronavirus disease-2019

Je Hyeong Kim (Ansan, Republic of Korea), Beong Ki Kim, Sua Kim, Yu Jin Kim, Seung Heon Lee, In Bum Suh

Clinical and demographic risk factors for the development of ARDS among severe COVID-19 patients

Marelyn Jao (Quezon City, Philippines), Windfield Tan

Late Breaking Abstract - Contemporary risk factors for severe COVID-19

Paulo Mergulhão (GONDOMAR, Portugal), José Artur Paiva, Inês Mendonça, Pedro Silveira, Isabel Eira, João Ribeiro, Pedro Póvoa, Rosário Cardoso, Aníbal Marinho, Nádia Guimarães, Francisco Esteves, Daniela Bento, Luís Bento, Ricardo Nejo Jr, Igor Milet, Joana Cepeda, Antero Vale Fernandes, Rui Gomes, Manuela Henriques, Mariana Santos, Paulo Martins, Carolina Costa, Paulo Telles Freitas, Joana Nogueira, João Gonçalves Pereira, Filipe Froes, Henrique Oliveira

Prognostic value of eosinophil count on mortality of ECMO treated COVID-19 patients

Flora Varga (Budapest, Hungary), Szabolcs Szigeti, Fruzsina Szilágyi, Zsuzsanna Miklós, Ildikó Horváth

Late Breaking Abstract - Unveiling Exceptional Outcomes: A Comprehensive Evaluation of Patient Admissions in a Novel COVID-19 High Dependency Unit during the Initial Surge

Razan Ghareeb (London, United Kingdom), Sobia Chaudhary, Sundeep Kaul

Late Breaking Abstract - Aminophylline in COPD- Utility and Treatment Effects: ACUTE

Amrita Bhattacharyya (North 24 Parganas, India), Raja Dhar, Shyam Krishnan, Aditya Satpati, Beauty Biswas, Shubham Sharma

Late Breaking Abstract - Diaphragmatic dysfunction in patient with dyspnea in emergency department

Cosimo Cosimato (Naples, Italy), Claudia Carelli, Giovanna Cristiano, Clarissa Anna De Rosa, Claudia Sara Cimmino, Francesca Paudice, Raffaella Epifani, Gabriella Maria Monsurro, Vincenzo De Simone, Giuseppe Fiorentino, Mario Guarino

PS-10 in poster area

Session

12:30 - 14:00

Poster session: Biomarkers in asthma

Disease(s) : **Airway diseases**

Method(s) : Epidemiology Physiology Pulmonary function testing General respiratory patient care Pulmonary rehabilitation Public health Cell and molecular biology

Chairs : Renaud Louis (Liège, Belgium), Andrei Malinowski (Uppsala, Sweden)

Particles in exhaled air (PExA) - the protein composition in children

Kristiina Malmstrom (Helsinki, Finland), Marjut Lehtinen, Ulrich Bergmann, Seppo Sarna, Venla Aaltonen, Erik Qvist, Maria Juusela

Burden of disease in asthma, stratified by eosinophils levels: a UK biobank study

Catia C Proenca (Basel, Switzerland), Aurelie Chekroun Martinot, Oscar Dumoulin, Mathieu Rose

Exhaled volatiles to rule out asthma in symptomatic, untreated adults

Ran Wang (Manchester (Greater Manchester), United Kingdom), Waqar Ahmed, Emma Barrett, Laura Healy, Sarah Drake, Clare Murray, Angela Simpson, Stephen Fowler

Circulating cell-free miRNA as biomarkers of asthma severity

piera soccio (Foggia (FG), Italy), Giorgia Moriondo, Donato Lacedonia, Pasquale Tondo, Carla Maria Irene Quarato, Giorgia Lepore, Annarita Depalo, Antonella Santoro, Anela Hoxhallari, Maria Pia Foschino Barbaro, Giulia Scioscia

The role of alarmins in mixed neutrophilic/eosinophilic asthma

Elisa Arrigo (Orbassano, Italy), Vitina Carriero, Francesca Bertolini, Giuseppe Guida, Stefano Levra, Gino Villetti, Daniela Miglietta, Fabio L. M. Ricciardolo

Characteristics of Aspergillus sensitized severe asthma patients in a single-center SHARP cohort

Katarina Pelicon Slabanja (Šempas, Slovenia), Matevž Harlander, Saša Rink, Simone Hashimoto, Jacob K. Sont, Elisabeth H. Bel, Sabina Skrgat

Methacholine challenge test versus nitrogen washout in patients with suspicion of asthma and normal spirometry.

Aline Stalder Siebeneichler (Basel, Switzerland), Desiree Schumann, Meropi Karakioulaki, Nora Braschler, Andrei Darie, Michael Tamm, Daiana Stolt

Inflammatory phenotype categorized by proximal and distal airway in patients with stable asthma

Kensuke Fukumitsu (Nagoya, Japan), Yoshihiro Kanemitsu, Keima Ito, Hirono Nishiyama, Tomoko Tajiri, Yuta Mori, Satoshi Fukuda, Takehiro Uemura, Hirotsugu Ohkubo, Ken Maeno, Yutaka Ito, Tetsuya Oguri, Masaya Takemura, Akio Niimi

Muscle function in moderate to severe asthma: association with functional and clinical outcomes

Edith Visser (Leeuwarden, Netherlands), Kim De Jong, Tim Van Zutphen, Huib A.M. Kerstjens, Anneke Ten Brinke

Association between neutrophil-to-lymphocyte ratio and severity of asthma exacerbation

Yosr Aloulou (Manouba, Tunisia), Houda Snene, Hana Blibech, Rym Cheour, Sameh Belhadj, Jalloul Daghfous, Nedja Mehiri, Nozha Ben Salah, Bechir Louzir

Correlation between FeNO and level of adherence to inhaled corticosteroids in pediatric asthma patients in a developing country

Pedro David Vargas Duque (bogota, Colombia), Daniela Cleves, Ranniery Acuña Cordero, Paula Aguilera Otaño, Bethy Camargo, Ricardo Aristizabal Duque, Carlos Rodríguez Martínez

Treatable traits and their impact on asthma outcomes in a multi-racial difficult asthma cohort

Kundan Reddy Saripalli (Singapore, Singapore), Nicole Sieow, Wilson Chan, Xue Ning Choo, Anthony Yui, Tunn Ren Tay

Are lipid mediators correlated to asthma features?

Meriem Mjid (Tunis, Tunisia), Bochra Jamoussi, Abir Hedhli, Khadija Euch, Sameh Hadj Taieb, Yacine Ouahchi, Sana Cheikh Rouhou, Sonia Toujani, Moncef Fekih, Besma Dhahri

Diagnostic values of FeNO, allergosorbent test and serum immunoglobulin E level in mild asthma patients with normal spirometry

Dae Sung Hyun (Daegu, Republic of Korea), Kyung Chan Kim, Chi Young Jung, Keum Ju Choi

Clinical characteristics, biomarkers, and lung function of adolescent vs adult asthma patients

Kevin Murphy (Omaha, United States), Alison Church, Robert S. Zeiger, David A. Beuther, Robert A. Wise, Joan Reibman, Maureen George, William McCann, Ileen Gilbert, James M. Eudicone, Hitesh N. Gandhi, Karin Coyne, Bradely E. Chipps

Acoustic biomarkers in asthma monitoring

Karolina Wiecezorek (London, United Kingdom), Zofia Przypasniak, Diana Velazquez-Pimentel

Patterns of adherence and nonadherence among asthma patients in a tertiary hospital

Mohammed Almutairi (Birmingham, United Kingdom), John Marriott, Hanan Hussein, Lisa White, Sharron Gilbey, Baljit Ahitan, Adel Mansur

Comparison of changes observed in forced midexpiratory flow of patients who underwent spirometry with both positive and negative bronchodilator test.

Cristina Sánchez Fernández (Oropesa, Spain), Walther Ivan Girón Matute, Zichen Ji, Javier De Miguel Díez, Luis Puente Maestu

Sputum cell counts and FeNO levels in patients treated with anti-IgE and anti-IL-5 /IL-5R: Evidence for a dissociation between sputum eosinophil counts and FeNO levels

mare sabbe (Liege, Belgium), Florence Schleich, Nicolas Bougard, Catherine Moermans, Monique Henquet, Françoise Guissard, Carole Sanschez, Virginie Paulus, Renaud Louis

Late Breaking Abstract - Enhancing asthma management through advanced prediction of indoor pollutant peaks: a 30-minute forecasting model for trigger avoidance and early intervention

Victor Higgs (London, United Kingdom), Hanya Ahmed, Jona Angelica Flavie

PS-14 in poster area

Session

12:30 - 14:00

Poster session: Advances in the diagnosis of tuberculosis**Disease(s) :** Airway diseases**Method(s) :** General respiratory patient care Cell and molecular biology Imaging Public health Epidemiology Endoscopy and interventional pulmonology**Chairs :** Delia Goletti (Roma (RM), Italy), Chair to be confirmed**Ocular tuberculosis (OTB): typical and atypical phenotypes in a UK setting**

Claudia Liang (London, United Kingdom), Osman Hatem, Kavina Manalan, Ilaria Testi, Sethi Charanjit, Bhavini Dixit, Laura Martin, Meg Coleman, Carlos Pavesio, Harry Petrushkin, Rashmi Akshikar, Onn Min Kon

Clinical and radiological predictors of tuberculous meningitis

Rebekah Young (London, United Kingdom), Erik Skjellberg, Akhilesh Sharma, Veronica White, Simon Tiberi, Susan Dart, Heinke Kunst

Usage of Silver Nanoparticles to Restore Rifampicin Efficacy for Rifampicin-Resistant M. Tuberculosis Cultures

Nino Kiria (Tbilisi, Georgia), Teona Avaliani, Nino Bablishvili, Giorgi Pichkhaia, Nana Kiria

Quantifying Myeloid-derived suppressor cells in pleural effusion can distinguish Tuberculosis from Pneumonia

Eun Sun Kim (Seoul, Republic of Korea), Je-In Youn

Diagnostic accuracy of adenosine deaminase in GeneXpert positive tuberculosis pleural effusion.

Zulfiqar Ali Detho (Karachi, Pakistan), Faisal Faiyaz Zuberi

Interleukin 32 as a Potential Marker for Diagnosis of Tuberculous Pleural Effusion

Juan Du (Beijing, China)

Determinants of tuberculosis diagnosis delay

Maria João Cavaco (Coimbra, Portugal), Sofia Alves, Luis Mateus, André Nunes, Ricardo Cordeiro, Carina Silvestre, Paula Matilde, Natália André, Paula Raimundo, Teresa Falcão

Isolated positivity of NAAT in bronchial aspirate - What entity?

Fernando Pereira da Silva (Vila Real, Portugal), Filipa Jesus, Joana Ribeiro, Sara Braga, Élin Almeida, Mariana Tavares, Madalena Reis, Filomena Luís, Luís Ferreira

Cell-mediated immune responses against specific antigen for diagnosing pulmonary Mycobacterium avium complex disease stage

Yoshiro Yamashita (Nagasaki, Japan), Ikkoh Yasuda, Takeshi Tanaka, Toru Ikeda, Mayumi Terada, Masahiro Takaki, Yoshiko Tsuchihashi, Norichika Asoh, Sohkiichi Matsumoto, Konosuke Morimoto

CyTOF analysis for differential immune cellular profiling between latent tuberculosis infection and active tuberculosis

Jaehee Lee (Daegu, Republic of Korea), Ji Eun Park

Host factors associated with false negative results in an interferon- γ release assay in adults with active tuberculosis: a single-center retrospective study

quanxian Liu (Chengdu, China), Jian-Qing He

The error rate of phenotypic drug susceptibility tests in tuberculosis patients according to specimen type.

Hong-Joon Shin (Gwangju, Republic of Korea), Bo Gun Kho, Young-Ok Na, Jae-Kyeong Lee, Tae-Ok Kim

Sensitivity and Specificity of screening and confirmatory tests to detect TB disease: a systematic review of reviews (RoR).

Dominik Zenner (London, United Kingdom), Tahreem Chaudry, Ibrahim Abubakar, Frank Cobelens

Expression levels of maturation and activation markers in immune cells as a correlate of anti-tuberculosis therapy monitoring.

Sergio Díaz Fernández (Barcelona, Spain), Zoran Stojanovic, Raquel Villar-Hernández, Marco Fernández, Maria Luiza De Souza-Galvão, Jorge Abad, María Angeles Jiménez-Fuentes, Guillem Safont, Nadiia Tytarenko, Mariia Finohenova, Cristina Prat, Jose Dominguez, Irene Latorre

Phenotypic susceptibility testing of pyrazinamide in lineage 1 M.tuberculosis isolates – a North London cohort experience

Santino Capocci (London, United Kingdom), Rebecca Duff, Ana Garcia Mingo, Stephen Morris-Jones

Contribution of smear-negative pulmonary tuberculosis in interferon gamma releasing assay-confirmed nosocomial transmission

YA-JEN YANG (Taipei City, Taiwan), Jann-Yuan Wang, Chi-Tai Fang, Yee-Chun Chen

Implications of LTA4H Genetic Polymorphism on Pulmonary Tuberculosis (PTB) outcome – a Pilot Study

Devasahayam Jesudas Christopher (Vellore (Tamil Nadu), India), V R Sangeeth Priyadarshan, Deepa Shankar, Christhunesa Soundararajan Christudass, Kotamreddy Sreedevi, Barney Isaac, Balamugesh Thangakunam

High prevalence of isoniazid and fluoroquinolone resistance among rifampicin sensitive tuberculosis patients

Rashmi Ratnam (Lucknow, India), Parul Jain, Amita Jain, R A S Kushwaha

Latent tuberculosis infection screening in patients undergoing immunosuppressive treatment: a real-life experience in Milan

Gloria Leonardi (Trento, Italy), Sarah O'Donnell, Federica Piedepalumbo, Maurizio Ferrarese, Alice Repossi, Marco Mantero, Pierachille Santus, Francesco Blasi, Luigi Codecasa

PS-5 in poster area

Session

12:30 - 14:00

Poster session: Lung repair and regeneration

Disease(s) : Pulmonary vascular diseases Airway diseases Respiratory critical care Interstitial lung diseases

Method(s) : Physiology Respiratory intensive care Cell and molecular biology Imaging Pulmonary function testing

Chairs : H. Irene Heijink (Groningen, Netherlands), Chair to be confirmed

OMV promotes the secretory autophagy of IL-1 β in macrophage via GBP2

(GUANGZHOU, China), Ying Meng

The SASP from COPD fibroblasts is pro-inflammatory and reduces decorin secretion

Rhodé Meuleman (Groningen, Netherlands), Corry-Anke Brandsma, Wierd Kooistra, Maarten Van Den Berge, Wim Timens, Roy R Woldhuis

Protein disulfide-isomerase A3 contributes to COPD pathogenesis by enhancing inflammation and apoptosis in lung epithelial cells

Kyoung-Hee Lee (Seoul, Republic of Korea), Jimyung Park, Jiso Woo, Jiyeon Kim, Nakwon Kwak, Sang-Min Lee, Chul-Gyu Yoo

The ALDH3A1 gene suppresses Periostin gene expression in human airway epithelial cells exposed to cigarette smoke

Senani Rathnayake (Leppington, Australia), Karosham Reddy, Dikaia Xenaki, Brian Oliver, Marteen Van Den Berge, Alen Faiz

Response of bronchial and alveolar epithelial cells to poly (I:C)

Fateme Moheimani (Manchester, United Kingdom), Nafeesa Shahdab, Chris Ward, Stephen Cummings, John S Young

Study of the comorbid background and features of the clinical course of chronic obstructive pulmonary disease (COPD) in combination with atrial fibrillation

Guzal Karimdjanova (Tashkent, Uzbekistan), Dano Egamberdieva

Smoking effects over experimental lung cancer model

Laura Sánchez Carretero (Madrid, Spain), Sandra Pérez Rial, Adele Chloe Cardeñosa Pérez, Oderay Mabel Cedeño Díaz, Jordi Llop, Jesús Ruíz-Cabello Osuna, Luis Seijo, Germán Peces-Barba Romero

Small molecule inhibition of ATM reduces LPS-induced inflammation in acute lung injury

Man Luo (Hangzhou, China), Jiaoli Wang, Limin Wang

4-Indole-2-Arylamino pyrimidine identifies lysosomal cathepsin L activation critical for acute lung injury

shiyi yang (hangzhou, China), Kaijun Chen, Min Zhang, Zhangchu Jin, Zhouyang Li, Zhengtong Mao, Huahao Shen, Xingxian Zhang, Gensheng Zhang, Zhihua Chen

Acute effects of e-cigarettes on lung-related extracellular vesicles

Mikael Kabele (Tavelsjö, Sweden), Jenny Bosson, Lukasz Antoniewicz, Magnus Lundbäck, Fariborz Mobarrez

Differential proteomic profiles of lung injury in rat models upon pulmonary exposure to air pollution

Chia-Li Han (Taipei, Taiwan), Yu-Teng Jheng, Denise Utami Putri, Manh Quan Nguyen, Hsiao-Chi Chuang, Kang-Yun Lee

Late Breaking Abstract - Combined treatment of Formoterol and Tanimilast improves lung organoid growth

Rocío Fuentes-Mateos (Groningen, Netherlands), Ka Yu Wang, Loes Kistemaker, Fabrizio Facchinetti, Reinoud Gosens

Virlaza® Efficiently Inhibited LPS-induced Acute Lung Injury

Rodolfo De Paula Vieira (Anápolis, Brazil), Maysa Alves Rodrigues Brandao-Rangel, Dobroslav Melamed, Anamei Silva-Reis, Boris Brill, Manoel Carneiro Oliveira-Junior, Edilson De Souza Carvalho, Razi Ronen

Effect of an agro-based compound (A-bC) on regeneration of airway epithelium in Cystic Fibrosis (CF)

Emilie LUCZKA (Reims, France), Damien Adam, Myriam Polette, Michel Abély, Christelle Coraux

Late Breaking Abstract - The expression of NOX4 and ESRP1 correlate with airway epithelial-mesenchymal transition in COPD

Jieda Cui (Yinchuan, China), Jiaqi Wang, Juan Chen

The clinical and pathogenetic roles of ITIH4 in particulate matter-related emphysema

Kang-Yun Lee (New Taipei City, Taiwan), Kuan-Yuan Chen, Sheng-Ming Wu, Hsiao-Chi Chuang, Shu-Chuan Ho

A non-Canonical cGAS-CREB Pathway in Airway Epithelium inhibits LPS-induced Acute Lung Injury

zhangchu Jin (, China), Zhehua Shao, Wenqi Diao, Anyi Guo, Shiyi Yang, Yinling Han, Yinfang Wu, Yun Zhao, Yanping Wu, Jiaxin Shen, Songmin Ying, Chao Zhang, Wen Li, Huhao Shen, Zhihua Chen, Fugui Yan

Alveolar epithelial cells facilitate lung inflammation and fibrosis in response to cytokines

Tengjiao Cui (Miami, United States), Medhi Wangpaichitr, Robert M. Jackson, Andrew V. Schally

Implications of reduced E-cadherin for abnormal airway epithelial damage and repair responses in COPD

Xinzi Zheng (Groningen, Netherlands), Irene Heijink, Martijn Nawijn

Specialized Pro-resolving Mediators and its precursors in Chronic Obstructive Pulmonary Disease

Warda Jelassi (Tunis, Tunisia), Abir Hedhli, Sameh Hadj Taieb, Khadija Euch, Sana Cheikhrouhou, Yacine Ouahchi, Sonia Toujani, Meriem Mjid, Besma Dhahri, Moncef Feki

PS-8 in poster area

Session

12:30 - 14:00

Poster session: New frontiers in chronic obstructive pulmonary disease characterisation and management

Disease(s) : Airway diseases Sleep and breathing disorders

Method(s) : Imaging General respiratory patient care Pulmonary function testing Epidemiology Public health Cell and molecular biology

Chairs : Alexander Mathioudakis (Stockport, United Kingdom), Augusta Beech (Manchester, United Kingdom)

Bronchodilator response assessed by spirometry and SPECT/CT in COPD.

Edward Jeagal (Croydon Park, Australia), Hooria Alowiwi, Harley Koltai, Troy Cross, Kaj Blokland, Elizabeth Bailey, Kathy Willowson, David Chapman, Gregory King

Clinical and functional effects of inhaled dual therapy umeclidinium/vilanterol in patients with chronic obstructive pulmonary disease: a real-life study

Corrado Pelaia (Catanzaro (CZ), Italy), Anna Ferrante Bannera, Fioramante Lello Rotundo, Francesco Giuseppe Tropea, Giuseppe Armentaro, Angelantonio Maglio, Angela Sciacqua, Alessandro Vatrella, Girolamo Pelaia

Current smoking reduces small airway eosinophil counts in COPD

Augusta Beech (Manchester, United Kingdom), Sophie Booth, Dave Singh, Andrew Higham

COPD and heart rhythm disturbances: Overview of supraventricular and ventricular arrhythmias

Daniela Buklioska Ilievska (Skopje, North Macedonia), Jordan Minov

Regional variation of COPD burden in Alberta, Canada

Christopher Licskai (London (ON), Canada), Sheena Kayaniyil, Anna Hussey, Phongsack Manivong, Suzanne McMullen, Madonna Ferrone, Manisha Talukdar

Impact of comorbidities on quality of sleep among Tunisian patients with chronic obstructive pulmonary disease

amal chennoufi (tunis, Tunisia), Chirine Moussa, Rouis Houda, Ghourabi Asma, Khattab Amel, Khouaja Ibtihel, Mhiri Fatma, Bayahi Leila, Zendah Ines, Maalej Sonia

Does corticosteroid intake increase the risk of Vitamin D deficiency in Tunisian COPD patients?

Meriem Mjid (Tunis, Tunisia), Asma Zargouni, Abir Hedhli, Khadija Euch, Yacine Ouahchi, Sana Cheikhrouhou, Sonia Toujani, Besma Dhahri

Clinical characteristics of patients with COPD in Hong Kong

Fanny W.S. Ko (Shatin, Hong Kong), Xiaomeng Xu, Pinky Hon, Priyan Ratnasingham, Dominique Milea, David S C Hui

Observance of long-term non-invasive ventilation in COPD: VentiObs study

Gilles Jebrak (Paris, France), Capucine Morelot-Panzini, Jean Christophe Honoré, Laurent Pupin, Bouchra Lamia

Clinical factors linked to the type of respiratory medication in COPD: Results from COSYCONET

Peter Alter (Marburg, Germany), Kathrin Kahnert, Franziska C. Trudzinski, Robert Bals, Henrik Watz, Tim Speicher, Sandra Söhler, Tobias Welte, Klaus F. R. Rabe, Emiel F. M. Wouters, Claus F. Vogelmeier, Rudolf A. Jörres

Medication success among real-world users of budesonide/glycopyrrolate/formoterol fumarate (BGF) for the management of COPD in a UK primary care population

Hana Müllerová (Cambridge, United Kingdom), Jeffrey Shi Kai Chan, Heath Heatley, Victoria Carter, John Townend, Derek Skinner, Stefan Franzén, Johann Castaneda, Jonathan Marshall, David Price

Addressing treatable traits: a meta-analysis to assess the effect of N-acetylcysteine on respiratory symptoms and exacerbations in pre-COPD and COPD patients

Alberto Papi (Cona, Ferrara, Italy), Federico Baraldi, Franco Alfano, Tommaso Bigoni

Cost-Effectiveness of Umeclidinium/Vilanterol (UMEC/VI) Versus Glycopyrrolate/Formoterol Fumarate (GLY/FOR) in Symptomatic Patients with COPD in the UK: The AERISTO trial

Afisi S Ismaila (Malvern, United States), Dhvani Shah, Alan Martin, Robyn Kendall, Stephen Noorduy, Priyadarsini Dasari, Nancy A Risebrough, Chris Compton

Real-world study of formoterol/budesonide delivered through BAI in COPD patients

Balamurugan Santhalingam (Chennai (Tamil Nadu), India), Himanshu Pophale, Utsav Samariya, Komalkirti Apte, Sheetu Singh, Raja Dhar, Sujeet Rajan, Rajesh Swarnakar, Deepak Talwar, Meena Lopez, Vaishali Naik, Sandesh Sawant, Sushmeeta Chhowala, Abhijit Vaidya, Jaideep Gogtay

Benralizumab increases time to recurrent exacerbations in COPD patients on triple therapy with frequent exacerbations and an eosinophilic phenotype

Dave Singh (Manchester, United Kingdom), Gerard J. Crine, Alvar Agustí, Mona Bafadhel, Johan Söderström, Gabriela Luporini Saraiva, Ying Fan, Maria Jison, Ubaldo J. Martin, Ioannis Psallidas

Azithromycin maintenance therapy for prevention of Chronic Obstructive Pulmonary Disease Exacerbations

Deepansh Gupta (Rishikesh, India), Lokender Kumar, Avishek Layek

Clusters in chronic obstructive pulmonary disease based on inhaled corticosteroid treatment and pneumonia incidence – a nationwide cohort study

Allan Klitgaard (Vejle, Denmark), Rikke Ibsen, Ole Hilberg, Anders Løkke

Trends in severe COPD exacerbations and mortality following the introduction of ultra-long-acting bronchodilators: an interrupted time-series study between 2007 and 2018 in the province Quebec, Canada

Charles-Antoine Guay (Québec, Canada), Caroline Sirois, Claudia Beaudoin, Laurie Perreault, François Maltais, Pierre-Hugues Carmichael, Elhadji Anassour Laouan Sidi, Steeve Provencher

Clinical effect of inhaled corticosteroid withdrawal in stable COPD Patients

Chung-Yu Chen (Douliou (Yunlin), Taiwan), Cheng-Yu Chang, Shih-Chieh Chang, Yu-Feng Wei

Cost-Effectiveness of Umeclidinium/Vilanterol Versus Indacaterol/Glycopyrronium in Symptomatic patients with COPD in the UK

Afisi S Ismaila (Malvern, United States), Dhvani Shah, Alan Martin, Robyn Kendall, Stephen Noorduyn, Priyadarsini Dasari, Nancy A Risebrough, Chris Compton

PS-12 in poster area**Session****12:30 - 14:00****Poster session: Global burden and management of chronic obstructive pulmonary disease****Disease(s) :** **Airway diseases****Method(s) :** Epidemiology General respiratory patient care Physiology Public health Pulmonary function testing**Chairs :** Nagendra Chaudhary (Bhairahawa, Nepal)**Prevalence and presentation of early stage of chronic obstructive pulmonary disease in China: a national cross-sectional study**

Jieping Lei (Beijing, China), Ke Huang, Wei Li, Sinan Wu, Ting Yang, Chen Wang

Correlation of COPD Assessment Test score and severity of disease in non-smoking COPD patients.

Ajay Kumar Verma (Lucknow (Uttar Pradesh), India), Anuj Kumar Pandey, Surya Kant, Arpita Singh, Jyoti Bajpai, Rakesh Kumar Dixit, Shaym Chand Chaudhary

Pre-COPD in young adults and COPD later in life: A population-based cross-cohort comparison study

Yunus Çolak (Espergærde, Denmark), Peter Lange, Jørgen Vestbo, Børge G. Nordestgaard, Shoaib Afzal

COPD exacerbations during and beyond the COVID-19 pandemic in the UK

Derek Skinner (Cambridge, United Kingdom), Jeffrey Shi Kai Chan, Mehul Patel, Richard Hubbard, Himanshu Parikh, David Price, Victoria Carter

Changes in COPD treatment in Brazil: Findings from the National Health Surveys

Gabriela Marques (Pelotas, Brazil), Andre F.S. Amaral, Fernando C. Wehrmeister

Characteristics and treatment patterns of COPD patients according to GOLD classification in the Philippines

Bernice Ong-dela Cruz (Quezon City, Philippines), Kenneth Alberca, Beatriz Tan-Helera, Dennis Teo, Violeta Reyes, Guinevere Agra, Celeste Mae Campomanes, Teresita De Guia, Helen Isaac, Lenora Fernandez, Rodolfo Pagcatipunan, Roland Panaligan, Tim Trinidad

Mortality and exacerbations in chronic obstructive pulmonary disease associated with Stenotrophomonas maltophilia. A regional cohort study of 22,689 outpatients.

Christian Philip Rønn (København Ø, Denmark), Peter Kamstrup, Josefin Eklöf, Louise Lindhart Toennesen, Jonas Bredtoft Boel, Christian Østergaard Andersen, Ram Benny Dessau, Jon Torgny Wilcke, Pradeesh Sivapalan, Charlotte Ulrik, Jens Ulrik Stæhr Jensen

Characteristics of COPD patients on maintenance inhaled therapy in Hungary

Balázs Sánta (Budapest, Hungary), Margit Bíró, Krisztina Vincze, Márta Kamocsay, Zsófia Lázár

COPD-related mortality through different waves of the COVID-19 pandemic

Gabiella Guarnieri (Padova (PD), Italy), Claudio Barbiellini Amidei, Veronica Casotto, Alessia Achille, Leonardo Bertagna De Marchi, Sara Lococo, Federico Lionello, Andrea Vianello, Ugo Fedeli

Impact of stigma and inhaler counseling among geriatric asthma/COPD patients: a pilot study

Saqib Ahmed-Chowdhury (Chittagong, Bangladesh)

Dietary flavonoids and ventilatory function in adults from the multinational Burden of Obstructive Lung Disease (BOLD) Study

Mulubirhan Assefa Alemayohu (Mekelle, Ethiopia), Maria Elisabetta Zanolin, Lucia Cazzoletti, Karima El-Rhazi, Hasan Hafizi, Asaad Ahmed Nafees, Kirithi Gunasekera, Mahesh Padukudru Anand, Talant Sooronbayev, Peter Burney, Vanessa Garcia-Larsen

Risk of mortality and cardiovascular events in patients with chronic obstructive pulmonary disease treated with azithromycin, roxithromycin, clarithromycin and amoxicillin

Imane Alispahic (Rødovre, Denmark), Josefin Eklof, Alexander Svorre Jordan, Pradeesh Sivapalan, Zitta Barrella Harboe, Jens-Ulrik Stæhr Jensen

Real-world study of vaccine effectiveness decline against SARS-Cov-2 Delta variant in COPD patients

Lorinc Polivka (Üröm, Hungary), István Valyi-Nagy, Zoltán Szekanecz, Krisztina Bogos, Hajnalka Vago, Anita Kamondi, Ferenc Fekete, Janos Szlavik, Gyorgy Surjan, Orsolya Surjan, Peter Nagy, Zsuzsa Schaff, Cecilia Muller, Zoltan Kiss, Miklos Kasler, Veronika Muller

Anemia and proBNP levels as risk factors for airflow limitation in patients with acute coronary syndrome

Santiago Rodriguez-Segade Alonso (A Coruña, Spain), Irene Nieto Codesido, Carmen Diego Roza, Elvira Clavero Fernández

Effect of smoking on the development of chronic obstructive pulmonary disease in young individuals: a nationwide cohort study

Chiwook Chung (Seoul, Republic of Korea), Kyu Na Lee, Kyungdo Han, Dong Wook Shin, Sei Won Lee

Chronic obstructive pulmonary disease management by pulmonologists in private health care structures in Tizi-Ouzou city (Algeria): a cross-sectional survey.

Kahina Lanani (Tizi-Ouzou, Algeria), Imane Smaoun, Belaid Bouazza

Risk of chronic lower respiratory disease prior to development of inflammatory bowel disease: A population-based cohort study

Ulla Møller Weinreich (Ålborg, Denmark), Henrik Albæk Jacobsen, Anastasia Karachalia Sandri, Tine Tine Jess, Lone Larsen

Biomarkers of systemic inflammation are not associated with the risk of COPD exacerbations

Jens Ellingsen (Uppsala, Sweden), Kristina Bröms, Maria Hårdstedt, Marieann Högman, Christer Janson, Karin Lisspers, Andreas Palm, Björn Ståhlberg, Andrei Malinovschi

The economic and health burden of COPD in Western Europe: forecasting through 2050

Elroy Boers (Calgary, Canada), Angier Allen, Meredith Barrett, Adam Benjafield, Carlos Nunez, Jadwiga Wedzicha, Atul Malhotra

The economic and health burden of COPD in the Middle East: forecasting through 2050

Elroy Boers (Calgary, Canada), Angier Allen, Meredith Barrett, Adam Benjafield, Carlos Nunez, Atul Malhotra, Jadwiga Wedzicha

PS-20 in poster area**Session****12:30 - 14:00****Poster session: From diagnosis to therapy in pulmonary arterial hypertension****Disease(s) :** Pulmonary vascular diseases Interstitial lung diseases**Method(s) :** Epidemiology General respiratory patient care Public health Pulmonary function testing Physiology Respiratory intensive care**Chairs :** Horst Olschewski (Graz, Austria), Etienne-Marie Jutant (Paris, France)**Diagnosing pulmonary arterial hypertension in the Real World**

R James White (Rochester, United States), Rogier Klok, Julia Harley, Mark Small, Carmine Dario Vizza, Dominik Lautsch

Management of acute decompensated pulmonary arterial hypertension: results of the ERS Clinical Research Collaboration PHAROS survey

Laurent Savale (Le Kremlin-Bicêtre, France), Harm-Jan Bogaard, Irene Lang, Pilar Escribano-Subias, Frances De Man, Abilio Reis, Marion Delcroix, Olivier Sitbon

As time goes by... 2022 versus 2011 ERS-CRC PHAROS survey on managing pulmonary arterial hypertension (PAH) in European expert centres

Adam Torbicki (Otwock, Poland), Luke S Howard, Gergely Meszaros, Joanna Pepke-Zaba, Abilio Reis, Olivier Sitbon, Marion Delcroix On Behalf Of Pharos Investigators

Impact of the new definition of precapillary pulmonary hypertension on the prevalence of portopulmonary hypertension in patients referred for liver transplantation

Hélène Pringuez (Paris, France), Audrey Baron, Anne Roche, Xavier Jaïs, Athénaïs Boucly, David Montani, Marc Humbert, Olivier Sitbon, Laurent Savale

Treprostinil transition from subcutaneous to intravenous in pediatric patients with Pulmonary Hypertension undergoing a risky procedure.

Gina Bustamante (Barcelona, Spain), Ana Diez, Alba Torrent, Maria Morillo, Ignacio Iglesias, Sandra Rovira, Montserrat Pujol, Antonio Moreno

End-of-life healthcare resource utilization and costs in patients with PAH: a real-world analysis

Tracey Weiss (Coopersburg, United States), Dena Rosen Ramey, Ngan Pham, Nazneen Shaikh, Dajun Tian, Xiaohui Zhao, Aimee Near, Steven Nathan

Macitentan tadalafil fixed dose combination (FDC) in patients with pulmonary arterial hypertension (PAH): A subgroup analysis from A DUE

Pavel Jansa (Jirny, Czech Republic), Kelly Chin, Ekkehard Grünig, Jakob Hauser, Cheryl Lassen, Matthieu Pannaux, Hany Rofael, Fenling Fan

A real-world evidence study of PH-LD, PH-ILD and PAH in France, Germany, and the UK

John Wort (London, United Kingdom), Juergen Behr, Vincent Cottin, David Kiely, Michael Kreuter, Olivier Sitbon, Aurélie Chekroun Martinot, Catia C. Proenca, Miriam Fernández Delgado, Gabriela Bacchini Jeanneret

Treatment-associated changes in cardiopulmonary exercise test variables: upfront combination vs monotherapy in pulmonary arterial hypertension

Andrea Baccelli (Milano, Italy), Rocco Rinaldo, Rachel Davies, Francesco Lo Giudice, Gulammehdi Haji, Stefano Centanni, Luke Howard

Living with pulmonary hypertension – a cross-sectional survey of UK patients

Iain Armstrong (, United Kingdom), Catherine Billings, J Paul Sephton, Shaun Clayton, Mary Ferguson, John Smith

Rodatristat ethyl: characterization of reductions in peripheral serotonin supportive of ELEVATE 2, a Phase IIb clinical study for pulmonary arterial hypertension

Courtney McKernan (Durham, United States), Michelle Palacios, Jill Denning, Himanshu Naik, Howard Lazarus, Steve Wring

Pulmonary arterial hypertension with comorbidities – does dual therapy have a role?

Julia Thomas (Dumfries, United Kingdom), Harrison Stubbs, Martin Johnson, Colin Church, Melanie Brewis

Initial dual oral combination therapy in patient with pulmonary arterial hypertension and cardiovascular comorbidities

Athénaïs Boucly (Le Kremlin Bicêtre, France), Laurent Savale, David Montani, Xavier Jaïs, Marc Humbert, Olivier Sitbon

The impact of comorbidities on inhaled treprostinil treatment in patients with pulmonary arterial hypertension

Vallerie McLaughlin (Ann Arbor, United States), Rahul Argula, Shelley Shapiro, Eric Shen, Hyoshin Kim, Meredith Broderick

Methamphetamine and idiopathic PAH: Similar treatment, similar outcomes

Cole Uhland (tucson, United States), Angela Gibbs, Michael Insel, Saad Kubba, Franz Rischard

Use of Long-term Oxygen Therapy in Patients With Pulmonary Hypertension in Spain

Rodrigo Torres Castro (Barcelona, Spain), Gregorio Miguel Pérez Peñate, Jesús Pérez Sagredo, Rafael Bravo Marqués, Clara Soto Abánades, Purificación Ramírez Martín, Víctor M. Becerra Muñoz, Pilar Escribano Subías, Joan Albert Barberà, Isabel Blanco, . On Behalf Of The Rehap Investigators

A UK national patient survey of attitudes towards aspects of novel clinical trial design in pulmonary hypertension

Joseph Newman (Cambridge, United Kingdom), Shaun Clayton, Mary Ferguson, Iain Armstrong, Elisa Ferrer-Mallol, Elin Haf Davies, Mark Toshner

The UPHILL study: a nutrition and lifestyle intervention to improve quality of life for patients with pulmonary arterial hypertension

Chermaine Kwant (Den Haag, Netherlands), Frances De Man, Frans Van Der Horst, Harm-Jan Bogaard, Anton Vonk Noordegraaf

A randomized study to evaluate the effects of single-dose MK-5475 co-administered with sildenafil on systemic hemodynamics

Mahesh J. Patel (Rahway, United States), Ednan K. Bajwa, Dawn Cislak, John Palcza, Tom Reynders, Jenny Barthson, Eseng Lai, S. Aubrey Stoch

Rodatristat ethyl: peripheral serotonin targeting with low risk for impacting mood supportive of ELEVATE 2, a Phase IIb clinical study for pulmonary arterial hypertension

Michelle Palacios (Cary, United States), Courtney Mckernan, Jill Denning, Himanshu Naik, Howard Lazarus, Steve Wring

PS-17 in poster area

Session

12:30 - 14:00

Poster session: Screening, patient pathways and quality of life in the lung cancer world

Disease(s) : Thoracic oncology Airway diseases

Method(s) : Epidemiology Imaging Pulmonary function testing General respiratory patient care Public health Surgery Palliative care

Chairs : Wouter H. van Geffen (Leeuwarden, Netherlands), Joanna Domagała-Kulawik (Warszawa, Poland)

Assessing lung cancer risk in young and elderly patients in a lung cancer screening programme

Aranzazu Campo Ezquibela (Pamplona (Navarra), Spain), Begoña Ortiz, Ana Belén Alcaide, Juan Berto, Teresa Pérez-Warnisher, Carmen Felgueroso, Jesus Pueyo, Marimar Ocon, Juan Pablo De Torres, Gorka Bastarrika, Luis Seijo

Prevalence of recent thoracic CT imaging in a population undergoing lung cancer screening

Tanya Patrick (London, United Kingdom), Sindhu Bhaarrati Naidu, Aryn Bhamani, Paul Robinson, Lauren Molyneux, Thea Buchan, Jeannie Eng, Fanta Bojang, Shivani Patel, Ricky Thakrar, Neal Navani, Arjun Nair, Sam Janes

Use of telehealth to improve lung cancer screening program delivery of results

Ludmila Pereira Barbosa Dos Santos (Barretos (SP), Brazil), Fabiana Lima Vazquez, Leticia Ferro Leal, José Elias Miziara, Mauricio Wagner Souto Ferraz, Sérgio Vicente Serrano, Carolina Lourenço Da Conceição, Bianca De Bortoli Petiquer Capucho, Rodrigo Sampaio Chiarantano, Rui Manuel Vieira Reis

Smoking cessation integrated with a lung cancer screening program: most effective method?

Anna Núñez (Barcelona, Spain), Sonia Baeza, Ester Cervera, Laura Rodriguez, Adela Gonzalez, Ignasi García Olivé, Roxana Chirinos, Felipe Andreo, Antoni Rosell

Volumetric tumor volume doubling time in lung cancer: a systematic review and meta-analysis

Beibei Jiang (Groningen, Netherlands), Daiwei Han, Marjolein Heuvelmans, Carlijn Van Der Aalst, Harry De Koning, Matthijs Oudkerk

Effectiveness of the screening review MDT(SRMDT) of a pilot national targeted lung health check (TLHC) cancer screening programme in England

Ailsa Holbourn (, United Kingdom), Abdul Nasimudeen, Jason Page, Ante Marusic, Sue Matthews, Moe Kyi

Results and challenges of lung cancer screening in Serbia

Jelena Djekic Malbasa (Novi Sad, Republic of Serbia), Tomi Kovacevic, Bojan Zaric, Darijo Bokan, Dragan Dragišić, Goran Stojanović

Integrated lung Cancer Screening program employing a mobile unit in Brazil

Leticia Ferro Leal (Barretos, Brazil), Rodrigo Chiarantano, Fabiana Vazquez, Ludmila Barbosa Pereira Dos Santos, José Elias Miziara, Edmundo Mauad, Mauricio Souto Ferraz, Rui Manuel Reis

Have lung cancer patients been missed from the cancer screening programme?

Kiran Nandakumar (ROTHERHAM, United Kingdom), Abdul Nasimudeen, Jason Page, Sue Matthews, Moe Kyi

Eligibility for lung cancer screening in Greece: a retrospective study

Eleni Kokkotou (N.Faliro (Piraeus), Greece), Emmanouil Panagiotou, Mirsini Livanou, Anastasia Karachaliou, Ioannis Gkiozos, Maria Mani, Lamprini Stournara, Sofia Tsagouli, Ioannis Vathiotis, Andriani Charpidou

Psychosocial consequences of lung cancer screening; early results from the Australian International Lung Screen Trial (ILST) cohort.

Asha Bonney (Melbourne, Australia), John Brodersen, Volkert Siersma, Katharine See, Kwun Fong, Stephen Lam, Daniel Steinfert, Henry Marshall, Louis Irving, Jiashi Li, Siyuan Pang, Linda Lin, Paul Fogarty, Fraser Brims, Annette McWilliams, Emily Stone, Renee Manser

Psychosocial consequences of lung cancer screening; validation of an Australian English translation of a lung cancer-specific questionnaire.

Asha Bonney (Melbourne, Australia), John Brodersen, Volkert Siersma, Katharine See, Kwun Fong, Stephen Lam, Daniel Steinfert, Henry Marshall, Louis Irving, Jiashi Li, Siyuan Pang, Linda Lin, Paul Fogarty, Fraser Brims, Annette McWilliams, Emily Stone, Renee Manser

Outcome after curative treatment of patients diagnosed with clinical stage I lung cancer in the Yorkshire Lung Screening Trial

Hannah R Bailey (Leeds, United Kingdom), Philip A J Crosbie, Michael Darby, Kevin N Franks, Rhian Gabe, Martyn P T Kennedy, Hui Zhen Tam, Alessandro Brunelli, Matthew E J Callister

Is the local implementation of NOLCP 72 hour access to CT scan reducing delays in the lung cancer pathway?

Bethany Jones (Brighton, United Kingdom), Lukas Kalinke, Nick Adams

The effect of delays on survival patients with lung cancer

Amani Kacem (Sousse, Tunisia), Jihene Ghariani, Imen Kharrat, Anis Maatallah, Rahma Benjazia, Yosri Benali, Hend Zorgati, Sourour Belhajjoussef, Jihene Ayachi

Route to Diagnosis in Danish Lung Cancer Patients

Anja Gouliaev (Viby J, Denmark), Niels Lyhne Christensen, Torben Riis Rasmussen

Outcomes of patients who receive systemic therapy for metastatic lung cancer after diagnosis via emergency presentation

Rachel Solomons (London, United Kingdom), Neena Patel, Ketan Patel, Adam Januszewski

How does lung cancer progression impair quality-life of caregivers

Rahma Gargouri, Nour Kallel, Olfa Bouaziz, Nessrine Kallel, Ilhem Yanguì, Walid Feki, Samy Kammoun

Association between quality of life questionnaire at diagnosis and survival in patients with lung cancer

Sukjin Bae (Seoul, Republic of Korea), Chang Dong Yeo

Long-Term Lung Cancer Survivors – Who are they and how is their quality of life?

Ana Da Cunha Fonseca (Vila Nova de Gaia, Portugal), Mariana Antunes, Margarida Dias, Eloísa Silva, Ana Barroso

PS-18 in poster area**Session****12:30 - 14:00****Poster session: Biomarkers in interstitial lung disease****Disease(s) :** [Interstitial lung diseases](#) [Airway diseases](#)**Method(s) :** Epidemiology Imaging Physiology Public health Pulmonary function testing General respiratory patient care Cell and molecular biology**Chairs :** Manuela Funke-Chambour (Bern, Switzerland)**Two CT image-based Biomarkers for Predicting Progression in fibrosing interstitial lung diseases**

Ju hyun Oh (Seoul, Republic of Korea), Grace Hyun J. Kim, S. Samuel Weigt, Jared D Wilkinson, Fereidoun Abtin, Lila Pourzand, Bianca Villegas, Jihey Lee, Kyungjong Lee, Jonathan Goldin, Jin Woo Song

CT-derived biomarkers as predictors of overall survival in patients with idiopathic pulmonary fibrosis (IPF)

Francesco Bonella (Düsseldorf, Germany), Luca Salhöfer, Mathias Meetschen, Lale Umutlu, Michael Forsting, Benedikt Schaarschmidt, Marcel Opitz, Rene Hosch, Sven Koitka, Vicky Parmar, Felix Nensa, Johannes Haubold

Prognostic value of circulating biomarkers in patients with progressive pulmonary fibrosis

Francesco Bonella (Düsseldorf, Germany), R Gisli Jenkins, Toby M Maher, Shervin Assassi, Imre Noth, Claudia Diefenbach, Carina Ittrich, Klaus B Rohr, Martin Kolb

A combined measure of blood leukocytes, FVC and quantitative CT is highly predictive of mortality in idiopathic pulmonary fibrosis (IPF)

Andrew Achaiah (Oxford, United Kingdom), Emily Fraser, Peter Saunders, Rachel Hoyles, Rachel Benamore, Ling-Pei Ho

Longitudinal changes in CT quantified pulmonary artery volume and interstitial abnormalities correlate with pulmonary function decline in IPF patients

Anne-Noëlle Frix (Liege, Belgium), Fanny Gester, Monique Henket, Benoit Ernst, Renaud Louis, Jonne Engelberts, Jean-Paul Charbonnier, Julien Guiot

Blood gene expression is associated with decline in lung function in interstitial lung disease

Daniel He (Vancouver, Canada), Boyang Zheng, Scott J Tebbutt, Christopher J Ryerson

Associations between neutrophil and lymphocyte counts and ILD progression in subjects with progressive fibrosing ILDs

Michael Kreuter (Heidelberg, Germany), Justin M Oldham, Claudia Valenzuela, Takafumi Suda, Heiko Müller, Kamila Sroka-Saidi, Toby M Maher

Differential blood count as a prognostic tool in interstitial lung diseases

Nimrod Orr Urtreger (Tel Aviv, Israel), Ophir Freund, Tzlil Hershko, Liran Levy, Amir Bar-Shai, Avraham Unterman

Clinical utility of heparin-binding protein as an acute-phase inflammatory marker in interstitial lung disease

Xue Mingshan (Guangzhou, China), Teng Zhang, Runpei Lin, Yifeng Zeng, Zhangkai Jason Cheng, Ning Li, Peiyan Zheng, Huimin Huang, Baoqing Sun

Increasing CRPM levels following antifibrotic therapy in IPF is associated with adverse outcomes with nintedanib, but not pirfenidone

Jannik Ruwisch (Hannover, Germany), Francesco Bonella, Jannie Marie Bülow Sand, Henrik Jessen, Diana Julie Leeming, Tobias Welte, Antje Prasse, Benjamin Seeliger

Osteopontin as a biomarker in interstitial lung diseases

David Iturbe Fernández (Santander (Cantabria), Spain), Verónica Pulito Cueto, Víctor Manuel Mora Cuesta, Sara Remuzgo Martínez, Diego José Ferrer Pargada, José Manuel Cifrián Martínez, Raquel López Mejías, Fernanda Genre, Sandra Tello Mena, María Sebastián Mora-Gil, Sheila Izquierdo Cuervo, Miguel Ángel González-Gay Mantecón

Exploring the Potential of Serum Periostin as a Predictive biomarker for Early-Onset Idiopathic Pulmonary Fibrosis: A Follow-Up Study

Mingtao Liu (Guangzhou, China), Zhangkai J. Cheng, Haiyang Li, Runpei Lin, Mingshan Xue, Yanjun Li, Jiaxin Wang, Chenwei You, Haisheng Hu, Baojun Guo, Huimin Huang, Baoqing Sun

Lipid metabolism in interstitial lung diseases: serum amyloid A a new potential biomarker in idiopathic pulmonary fibrosis

Lucia Vietri (Ferrara, Italy), Miriana D'Alessandro, Laura Bergantini, Paolo Cameli, Elena Bargagli

Lactate dehydrogenase predicts disease progression in patients with IPF

Nils Hoyer (København NV, Denmark), Michael Brun Andersen, Lene Collatz, Emilia Kassandra Achilles Åttingsberg, Saher Burhan Shaker

Circulating prostatic acid phosphatase (PAP) associates with presence and severity of idiopathic pulmonary fibrosis (IPF)

Jamie Todd (Durham, United States), Hillary Mulder, Megan L Neely, John A Belperio, Joseph A Lasky, Tracy R Luckhardt, Scott M Palmer, Christian Hesslinger, Thomas Schlange, Thomas B Leonard

Serum Krebs von den Lungen-6 (KL-6) level as a prognostic biomarker in patients with interstitial lung abnormalities (ILA)

Hye Kyeong Park (Goyang-Si, Republic of Korea), Young-Soon Yoon, Jae-Uk Song, Hyung Koo Kang

Circulating biomarkers in children and adolescents with fibrosing interstitial lung disease (ILD)

Robin Deterding (Aurora, United States), Kevin K Brown, Steven Cunningham, Emily M Deboer, Matthias Griesse, Nicolaus Schwerk, Lisa R Young, Carina Ittrich, Thomas Schlange, Martina Gahlemann, David Warburton

Machine learning-based identification of RNA and protein biomarkers predictive of disease progression or death in the IPF-PRO Registry

Kolja Becker (Biberach, Germany), Julia Soellner, Thomas Schlange, Christian Hesslinger, Richard Vinisko, Thomas B Leonard, Jamie L Todd, Megan L Neely, Ramona Schmid

Predicting factors of acute exacerbation of idiopathic pulmonary fibrosis

Morgane Browarski (Rennes, France), Chloe Rousseau, Pierre Chauvin, Stéphanie Guillot, Mathieu Lederlin, Mallorie Kerjouan, Stéphane Jouneau

Histological and molecular characterization of lung cancer (LC) in patients with and without interstitial lung disease (ILD)

Gioele Castelli (Padova, Italy), Matteo Scordari, Nicol Bernardinello, Elisabetta Cocconcelli, Mariaenrica Tinè, Giulia Grisostomi, Serena Bellani, Fiorella Calabrese, Paolo Spagnolo, Elisabetta Balestro

PS-13 in poster area**Session****12:30 - 14:00****Poster session: Daily activity, exercise and others in chronic obstructive pulmonary disease and asthma****Disease(s) :** Respiratory critical care Airway diseases**Method(s) :** Pulmonary rehabilitation Respiratory intensive care General respiratory patient care Imaging**Chairs :** Elena Gimeno-Santos (Barcelona, Spain)**Are physical activity levels different between non-frail and pre-frail patients with COPD?**

Sara Pimenta (Meirinhas, Portugal), Sofia Flora, Ana Alves, Nádia Hipólito, Ana Oliveira, Nuno Morais, Cândida G. Silva, Alda Marques, Dina Brooks, Chris Burtin, Filipa Januário, Fátima Rodrigues, Vitória Martins, Lília Andrade, Joana Cruz

Reproducibility of the six-minute walk test on a 20-meter course in patients with COPD

Jeannet Delbressine (Horn, Netherlands), Alex Van 'T Hul, Dennis Jensen, Pei Zhi Li, Jean Bourbeau, Wan C. Tan, Martijn Spruit, Anouk Vaes

Fidelity and experience regarding an exercise training program in primary care for patients after an AECOPD

Marieke Wuyts (Laeken, Belgium), Fien Hermans, Sofie Breuls, Stephanie Everaerts, Eric Derom, Wim Janssens, Heleen Demeyer, Thierry Troosters

Diaphragmatic mobility assessed by ultrasound is associated with thoracoabdominal asynchrony in severe to very severe COPD patients

Juliana Melo Batista Santos (São Bernardo do Campo, Brazil), Estéfane C M Reis, Pedro L Lino, Adriana C Lunardi, Cibele C B M Silva, Thiago F Pinto, Regina M Carvalho-Pinto, Alberto Cukier, Maria C Chammas, Celso R F Carvalho

Usability of the OnTRACK platform to promote physical activity in COPD

Nádia Hipólito (Leiria, Portugal), Sofia Flora, Jessica Gordo, Diogo Pinto, Rúben Caceiro, Fernando Silva, José Ribeiro, Marcelo Brites-Pereira, Nuno Morais, Cândida G. Silva, Ana Oliveira, Chris Burtin, Dina Brooks, Alda Marques, Joana Cruz

Experiences of interprofessional collaboration and the care delivery pathway for patients with COPD.
Sara Lundell (Umea, Sweden), Åsa Wikman, Gunilla Stenberg

Relationship between social support and COPD GOLD groups
Cíntia Dias (Aveiro, Portugal), Patrícia Rebelo, Guilherme Rodrigues, Ana Sofia Grave, Maria Aurora Mendes, Sara Almeida, Célia Freitas, Isabel Moreira, Cristiana Santos, Adriana Simões, Cláudia Rodrigues, Inês Amado, Alda Marques

Investigation of chest and neuropathic pain on disease severity in patients with COPD
aynur demirel (ankara, Turkey), Mustafa Celik, Melda Saglam, Naciye Vardar Yaglı, Lutfi Coplu

Acute effects of EPAP during exercise on chest wall volumes and breathing pattern in COPD
Guilherme Fregonezi (Rio Grande do Norte, Brazil), Lailane Saturnino Da Silva, Vanessa Resqueti, Marina Lyra Lima Cabral Fagundes, Pricila Mayara Da Silva Resende, Hugo Leonardo Alves Pereira, Veronica Franco Parreira, Andrea Aliverti

Automated oxygen titration at home for patients with COPD - a pilot study
Linette Marie Kofod (Jyllinge, Denmark), Ejvind Frausing Hansen, Barbara Brocki, Morten Tange Kristensen, Elisabeth Westerdahl

ANALYSIS OF VENTILATORY CHARACTERISTICS IN PATIENTS WITH COPD AND HOME MECHANICAL VENTILATION.
Adriana Martin Pascual (Tiana, Spain), Marina Galdeano Lozano, Carmen Fernandez, Ariadna Ning Morancho, Guillem Hernandez, Francesc López, Irene Aldàs, M Matute Villacis, Antoni Marin, Agnes Hernández, Ignasi Garcia, Jorge Abad

A Core Outcome Set for Pulmonary Rehabilitation of patients with COPD: a modified Delphi survey
Sara Souto-Miranda (Aveiro, Portugal), Isabel Saraiva, Martijn A. Spruit, Alda Marques

The use of Virtual Reality as a rehabilitational strategy in patients with COPD. Systematic Review
Irin Patsaki (Piraeus, Greece), Vasiliki Avgeri, Theodora-Maria Rigoulia, Dimitris Tsimouris, Theodoros Zekis, Eirini Grammatopoulou

Feasibility of an animated video intervention post-acute exacerbation of COPD
Kriti Agarwal (Montreal, Canada), Matheus De Paiva Azevedo, Jean Bourbeau, Deborah Da Costa, Sarah Ahmed, Pauline Anderson, Tania Janaudis-Ferreira

Survey of Australian pulmonary rehabilitation health professionals: is exercise prescribed in line with clinical guidance?
Hayley Lewthwaite (Merewether, Australia), Emily R Cox, Gennaro D'Elia, Sarah Valkenborghs, Jennifer Mackney, Vanessa M McDonald

LungFlareCare: development and evaluation of a new web-based educational resource
Christian Osadnik (Melbourne, Australia), Alethea Kavanagh, Ruben Hopmans, Georgia Roberts, Chooi-Ee Lai, Jessica Degaris, Lauren Palmer, Amy Catlin, Marielle Collings, Rachel Smith, Carla Gordon

Perceptions and beliefs associated with enrolling in pulmonary rehabilitation
Ana Oliveira (Aveiro, Portugal), Anne-Marie Selzler, Cindy Ellerton, Dina Brooks, Roger Goldstein

Utility of respiratory impedance to evaluate the efficacy of pulmonary rehabilitation in people with chronic obstructive pulmonary disease
Simone Pancera (Milan, Italy), Marialaura Bertussi, Riccardo Buraschi, Luca Nicola Cesare Bianchi

Motivation to exercise and its relation to self-efficacy in adolescents with asthma: an observational study
Fernanda Lehrbaum (Londrina, Brazil), Joice Mara De Oliveira, Nathalia Ribeiro Berdu, Ana Beatriz Matos Bernardo, Cláudio Luiz Castro Gomes De Amorim, Simone Dal Corso, Fabio De Oliveira Pitta, Manuela Karloh, Karina Couto Furlanetto

Problematic activities of daily living in adult patients with asthma
Roy Meys (Horn, Netherlands), Frits Franssen, Nienke Nakken, Anouk Vaes, Daisy Janssen, Anouk Stoffels, Hieronymus Van Hees, Bram Van Den Borst, Peter Klijn, Chris Burtin, Martijn Spruit

PS-6 in poster area

Session

12:30 - 14:00

Poster session: Basic and clinical science in sleep breathing disorders: a bidirectional relationship

Disease(s) : Sleep and breathing disorders Airway diseases

Method(s) : General respiratory patient care Surgery Physiology Epidemiology Cell and molecular biology Public health
Pulmonary function testing Pulmonary rehabilitation

Chairs : Anne Briançon-Marjollet (Grenoble Cedex 9, France)

Application of intermittent hypoxia to precisely-cut tissue slices: a novel ex vivo model for studying the parenchymal effects of obstructive sleep apnea (OSA)

Isaac Almendros (Barcelona, Spain), Alicia Jurado, Anna Ulldemolins, Helena Lluís, Xavier Gasull, Nuria Gavara, Raimon Sunyer, Jorge Otero, David Gozal, Ramón Farré Ventura

RNA expression in cord blood. Can obstructive sleep apnea (OSA) during pregnancy have any effect on fetal development?

Laura Cànoves (Palma de Mallorca, Spain), Paloma Giménez, Aarne Fleischer, Josep Muncunill, Maria Cerda Moncades, Ainhoa Álvarez Ruiz De Larrinaga, Andrés Sánchez Barón, Mercedes Codina Marcet, Mónica De La Peña Bravo, Antònia Barceló Bennasar, Daniel Morell-Garcia, Javier Pierola Lopetegui, José Antonio Peña Zarza, María Concepción Piñas Cebrian, Susana García Fernández, Carme Ferrer Quintana, Sabina Perello Rosello, Alberto Alonso Fernández

PD-L1+ small extracellular vesicles in obstructive sleep apnea syndrome

Wojciech Trzepizur (Angers, France), Sylvain Recoquillon, Grégoire Justeau, Jérémie Riou, Carmen Martinez, Ramaroson Andriantsitohaina, Frédéric Gagnadoux

Effects of CPAP therapy on molecular breath pattern in newly diagnosed OSA

Jonas Herth (Zürich, Switzerland), Felix Schmidt, Noriane A. Sievi, Stefan Malesevic, Patrick Baumgartner, Sarah Basler, Matteo Bradicich, Maurice Roeder, Esther I. Schwarz, Malcolm Kohler

Measuring value of telemonitoring in obstructive sleep apnea patient pathway optimization in hospital: a Spanish example

Sara Correia Pinto (Porto, Portugal), Monica Gonzalez, Melike Deger Wehr, Peter Pitts

Hypoxic burden to guide CPAP treatment allocation in OSA: findings from the ISAACC trial

Lucia Pinilla (Lleida, Spain), Neda Esmaeili, Gonzalo Labarca, Olga Mínguez, Dolores Martínez, Jorge Abad, Maria José Masdeu, Olga Mediano, Carmen Muñoz, Valentín Cabriada, Joaquín Duran-Cantolla, Mercè Mayos, Ramón Coloma, Josep Maria Montserrat, Mónica De La Peña, Wen-Hsin Hu, Andrew Wellman, Scott Sands, Ludovico Messineo, Ferran Barbé, Manuel Sánchez-De-La-Torre, Ali Azarbarzin

Central sleep apnea treated by a constant low dose of CO₂ supplied by a novel device

Yuanming Luo (Guangzhou (Guangdong), China), Yongyi Chen, Shanfeng Liang, Luguang Wu, Andrew Wellman, R Doug Meevov, Joerg Steier, Danny J Eckert, Michael I Polkey

Peri-Operative Outcomes of Bariatric Surgery in Obstructive Sleep Apnoea: a Single-Centre Cohort Study

Cristiano van Zeller (London, United Kingdom), Richard Brown, Michael Cheng, Johan Meurling, Barbara McGowan, Joerg Steier

Treatment of OSA initiating with CPAP at 10 cmH₂O

Yan Chen (Guangzhou, China), Lu Wang, Qishan Wei, Yingxin Wu, Shanfeng Liang, Joerg Steier, Yuanming Luo

Is CPAP pressure titration always necessary?

Qishan Wei (Guangzhou, China), Qiong Ou, Shanfeng Liang, Cuizhen Huang, Simin Liu, Yuanming Luo

Effects of adaptive servo-ventilation on quality of life and symptoms according to its treatment indication –a subgroup analysis from the read-asv registry

Michael Arzt (Regensburg, Germany), Oliver Munt, Pepin Jean-Louis, Heinzer Raphael, Adam Benjafield, Holger Woehrle

Atomoxetine and spironolactone combine to reduce obstructive sleep apnea (OSA) severity and blood pressure (BP) in hypertensive patients.

Alan R. Schwartz (Baltimore, United States), Laura Herpel, Richard Bogan, Bruce Corser

Association of physical activity and BMI on sleep disordered breathing and sleep related symptoms.

Ronas Shakya (bergen, Norway), Elin Helga Thorarinsdottir, Rajesh Shigdel, Thorarinn Gislason, Bryndis Benediktsdottir, Eva Lindberg, Chamara Senaratna, Vivi Schlünssen, Cecilie Svanes, Francisco Gomez Real, Randi J. Bertelsen, Össur Emilsson, Nils Oskar Jögi, Francisco Javier Callejas González

The link between the sphingolipid rheostat and obstructive sleep apnea

Péter Horváth (Budapest, Hungary), Lilla Büdi, Dániel Hammer, Rita Varga, György Losonczy, Ádám Tárnoki, Dávid Tárnoki, Martina Mészáros, András Bikov

Comparing right ventricular function in patients with severe Obstructive Sleep Apnea when treated and not treated with Continuous Positive Airway Pressure

Amal Saidani (Bizerte, Tunisia), Fateh Kadardar, Sofiene Haboubi, Hajer Farhat, Saddam Zemzem, Hedi Ben Slima

Obstructive sleep apnea and falls in COPD patients: a cross-sectional and follow-up study

Caroline Maschio de Censo (São Paulo, Brazil), Viviane Vieira Passini, Bárbara Aparecida Teodoro Alcantara Verri, Regina Maria De Carvalho Pinto, Rafael Stelmach, Rafaella Fagundes Xavier, Geraldo Lorenzi-Filho, Celso Ricardo Fernandes De Carvalho

Impact of nocturnal hypoxemia on systemic inflammation in obstructive sleep apnea hypopnea syndrome (OSAS)
Samira Mhamdi (Mannouba, Tunisia), Safa Marzouki, Améni Naaroura,, Houda Snoussi, Chiraz Aichaouia, Selsabil Daboussi, Zied Moctamri

Late Breaking Abstract - In-Home Smartphone-Based Prediction of Obstructive Sleep Apnea: A Validation Study with Level 2 Polysomnography
Jeong-Whun Kim (Seongnam, Republic of Korea), Daewoo Kim, Dongheon Lee, Joonki Hong

Late Breaking Abstract - Differences in morbidity and mortality between patients with heart failure and either obstructive or central sleep apnea
Christian Horvath (Toronto, Canada), Shoichiro Yatsu, John Floras, Alexander Logan, George Tomlinson, Thomas Bradley

Late Breaking Abstract - Detecting sleep apnea in advance using machine learning and ECG-deprived spectrogram during CPAP titration
Thanh Duy Linh Tran (Ho Chi Minh, Vietnam), Thi Hoang Trang Nguyen, Shang-Yang Lin, Wen-Te Liu, Chaur-Jong Hu

PS-16 in poster area Session 12:30 - 14:00

Poster session: Basic science of respiratory infection

Disease(s) : Airway diseases Interstitial lung diseases Respiratory critical care

Method(s) : Cell and molecular biology Physiology General respiratory patient care

Chairs : James D. Chalmers (Dundee (Angus), United Kingdom), Anne M. van der Does (Leiden, Netherlands)

LSC - 2023 - Longitudinal blood and tissue single cell transcriptomics of humans challenged with SARS-CoV-2 reveal s innate and adaptive immune dynamics
Kaylee Worlock (London, United Kingdom), Rik Lindeboom*, Masahiro Yoshida, Lisa Dratva, Laura Richardson, Anna Wilbrey-Clark2, Helen Wagstaffe, Jessica Allen-Hyttinen, Lira Mamanova, Ni Huang, Liam Bolt, Krzysztof Polanski, Josephine Barnes, Puja Mehta, Alison Boyers, Sheila Casserly, Madelaine Ocampo, Olivia Watson, Sujana Regmi, Alex Mann, Sam Janes, Kerstin Meyer, Rob Heyderman, Mahdad Noursadeghi, Christopher Chiu, Marko Nikolić#, Sarah Teichmann#

LSC - 2023 - Recombinant Histone Deacetylase 6 (rHDAC6) treatment protects against influenza A virus (IAV) infection and disease in vivo
Katie Daly (Booker Bay, Australia), Alan Hsu, Kristy Nichol, Jemma Mayall, Jay Horvat, Phil Hansbro, Peter Wark

The in vivo antiviral efficacy of a novel inhalation drug candidate in a mouse treatment and post-exposure prophylaxis model
Thomas Bjarnsholt (Copenhagen, Denmark), Jinglin Zhou, Elin Jørgensen, Jan Pravsgaard Christensen, Marianne Thuy Duong Le, Christopher Burton

Antimicrobial mitochondrial reactive oxygen species induction by lung epithelial metabolic reprogramming
Scott Evans (Houston, United States), Yongxing Wang, Vikram Kulkarni, Jezreel Pantaleón García, David Goldblatt, Jichao Chen, Philip Lorenzi, Hao Wang, Lee-Jun Wong, Michael Tuvim

LSC - 2023 - APC: T cell interactions in the lung: exploring the generation and phenotype of memory CD4 T cells during influenza virus infection
Kerrie Hargrave (Glasgow, United Kingdom), Julie Worrell, Euan Brennan, Thomas Purnell, Megan Macleod

LSC - 2023 - Harnessing T regulatory cells to treat respiratory infections
Ntombizodwa Makuyana (Cambridge, United Kingdom), Oliver Burton, James Dooley, Adrian Liston

Engineered live bacteria as a new therapy for P. aeruginosa biofilms in ventilator-associated pneumonia
Alba Soler-Comas (Barcelona, Spain), Laia Fernández-Barat, Rubén López-Aladid, Nil Vázquez-Burgos, Anna Motos, Irene Rodríguez Arce, Alicia Broto, Roberto Cabrera, Kasra Kiarostami, Flavia Galli, Blanca Llonch, Carolina Segura, Luis Serrano, Antoni Torres

Peripheral blood gene expression changes at exacerbation of COPD: an observational cohort study
Holly R. Keir (Dundee (Angus), United Kingdom), Merete B. Long, Chloe Hughes, Amy Gilmour, Yan Hui Giam, Thomas Pembridge, Lilia Delgado, Rebecca Hull, James D. Chalmers

Deciphering the role of pulmonary α -(1,2)-fucosylation in pneumococcal pneumonia
Cengiz Goekeri (Berlin, Germany), Alina Nettesheim, Kerstin Linke, Sebastian Schickinger, Ulrike Behrendt, Denise Barthel, Peter Pennitz, Elena Lopez-Rodriguez, Vladimir Gluhovic, Konrad Schmidt, Leila Bechtella, Anne Voß, Sandra Kunder, Kevin Pagel, Achim D. Gruber, Sarah Hedtrich, Matthias Ochs, Martin Witzenzath, Geraldine Nouailles

In vitro identification of essential genes of carbapenems resistant OprD mutant Pseudomonas aeruginosa
Cléopée VAN MAELE (Reims, France), Ségolène Caboche, Thomas Blanchot, Audrey Brisebarre, Christophe Audebert, Anaëlle Muggeo, Thomas Guillard

Immunoinformatics investigation of B- and T- cell epitopes in the VP2 protein of the BOCA respiratory virus
Erasmia Rouka (Larissa, Greece), Kerasia Goupou, Sotirios Zarogiannis

Palmitoleic acid suppresses Pseudomonas aeruginosa quorum sensing-controlled virulence and relieves infection-induced lung injury
lei han (Shanghai, China), Yishu Xue, Jianwei Gao, Qiang Fu, Ping Shao, Min Zhang, Fengming Ding

Whole transcriptome profile underlies the COVID-19 bimodal phenotypes
Sabrina Setesmbre Batah (Ribeirão Preto, Brazil), Heloisa Zimmermam, Maria Júlia Marco, João Paulo Almeida, Danilo Wada, Amanda Schnepfer, Robson Carvalho, Alexandre Fabro

In silico investigation of B- and T-cell epitopes in the M2 protein of the H5N6 influenza virus
Erasmia Rouka (Larissa, Greece), Sotirios Kampouris, Sotirios Zarogiannis

Sand Particles Increase Pneumococcal Adhesion to Respiratory cells in vitro
Lisa Miyashita (London, United Kingdom), Beverley Coldwell, David Wertheim, Ian Gill, Simon Crust, Nemesio M. Pérez, Nick Petford, Jonathan Grigg

Profiling the immune response in patients hospitalised with lower respiratory tract infection
Merete Bridget Long (Dundee, United Kingdom), Holly R Keir, Yan Hui Giam, Thomas Pembridge, Rebecca C Hull, Lilia Delgado, Amy Gilmour, Chloe Hughes, Hollian Richardson, James D Chalmers

The plasmidome in bronchiectasis
Kai Xian Thng (Tampines, Singapore), Micheál Mac Aogáin, Fransiskus Xaverius Ivan, Jayanth Kumar Narayana, Tavleen K. Jaggi, Holly R. Keir, Mariko Siyue Koh, Thun How Ong, Mau Ern Poh, Teck Boon Low, John A. Abisheganaden, Francesco Blasi, Stefano Aliberti, James D. Chalmers, Sanjay H. Chotirmall

Late Breaking Abstract - MV130, a Trained Immunity-based Vaccine, in the prevention of RRTIs in adults: A retrospective study
Laura Conejero Hall (Madrid, Spain), Karla Montalbán, Ana Cogollo, Patricia Girón De Velasco, Raquel Caballero, Miguel Casanovas, José Luis Subiza

Late Breaking Abstract - An exploratory study highlighting the use of night-time cough frequency as a potential marker of disease surveillance in patients with Primary ciliary dyskinesia and Cystic fibrosis.
Evie Robson (Leeds, United Kingdom), Surinder Birring, Richard Feltbower, Christopher O'Callaghan, Daniel Peckham

Late Breaking Abstract - The clinical application value of a novel chip in the detection of pathogens in adult pneumonia: a multi-center prospective study in China
Ruixue Zhang (Beijing, China), Yingying Liu, Lianjun Lin

PS-4 in poster area

Session

12:30 - 14:00

Poster session: New insights and biomarkers in pulmonary fibrosis and lung cancer

Disease(s) : Interstitial lung diseases Respiratory critical care Pulmonary vascular diseases Airway diseases Thoracic oncology

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology Epidemiology Respiratory intensive care

Chairs : Arnaud Mailleux (Paris, France), Guillaume Beltramo (Dijon, France)

Anti-fibrotic effect of FGF21 in pulmonary fibrosis
Mada Ghanem (Paris, France), Gabrielle Archer, Aurélien Justet, Mouna Hachem, Tiara Boghanim, Aurélie Vadel, Nicolas Poté, Aurélie Cazes, Pierre Mordant, Yves Castier, Hervé Mal, Madeleine Jaillet, Arnaud Mailleux, Bruno Crestani

Endotracheal FGF19 limits bleomycin-induced pulmonary fibrosis in mice : an innovative treatment of pulmonary fibrosis?
Mada Ghanem (Paris, France), Aurélien Justet, Madeleine Jaillet, Shraddha Sharma, Arnaud Mailleux, Bruno Crestani

Endothelial cellular senescence contributes to the pathogenesis of IPF with pulmonary hypertension
Kohei Otsubo (Hamilton, Canada), Kazuya Tsubouchi, Quan Zhou, Alex Noble, Kjetil Ask, Martin Kolb

CRISPR screening in primary human lung fibroblasts and small airway epithelial cells identifies novel targets to reduce cellular senescence with potential to treat both COPD and IPF
Johan Mattsson (Mölndal, Sweden), Jenna Bradley, Pooja Sharma, Leire Escudero-Ibarz, Bairu Zhang, Chen Qian, Patrick O'Shea, Catherine Wrench, Maria Karlsson, Catherine Overed-Sayer, Isabel Rosa, James Pilling, Stephanie Constantinou, Lambert Montava Garriga, Valentina Quarantotti, Hui Sun Leong, Chang Kim, Elissavet Kentepozidou, Ceri Wiggins, Roxane Paulin, Laura Rosenberg, Davide Gianni, Henric Olsson

A phenome-wide association study of idiopathic pulmonary fibrosis reveals complex genetic relationships with age-related diseases
Samuel Moss (London, United Kingdom), Iain Stewart, Gina Parcesepe, Richard J. Allen, Louise V. Wain, R. Gisli Jenkins

Pirfenidone ameliorates acute respiratory distress syndrome through suppressing pulmonary inflammation and fibrosis in rats

Cheonwoong Choi (Seoul, Republic of Korea), Yeehyung Kim

Functional profiling of primary human fibroblasts derived from healthy and diseased lung tissue

Michael Gerckens (München, Germany), Armando-Marco Dworsky, Mircea Gabriel Stoleriu, Nikolaus Kneidinger, Jürgen Behr, Roxana Maria Wasnick, Ali Önder Yildirim, Gerald Burgstaller

mtDNA in bronchoalveolar lavage fluid is a prognostic factor for IPF and AE-IPF

Jun Fukihara (Seto, Japan), Koji Sakamoto, Taiki Furukawa, Ryo Teramachi, Yoshiki Ikeyama, Kensuke Kataoka, Yasuhiro Kondoh, Naozumi Hashimoto, Makoto Ishii

Endothelin-1 as a potential biomarker of interstitial lung disease in patients with rheumatoid arthritis

Verónica Pulito-Cueto (Santander, Spain), Sara Remuzgo-Martínez, Belen Atienza-Mateo, Fernanda Genre, Victor Mora-Cuesta, David Iturbe-Fernández, María Sebastián Mora-Gil, Virginia Portilla, Alfonso Corrales, Iván Ferraz-Amaro, Ricardo Blanco, Raquel López-Mejías, José M. Cifrián, Miguel A. González-Gay

BIOMARKERS BASED ON GENE EXPRESSION IN LUNG CANCER

Esperanza Salcedo Lobera (Málaga, Spain), Macarena Arroyo Varela, Diego Lozano Peral, Rafael Larrosa Jiménez, Rocio Bautista Moreno

USE OF miRNA AS A BIOMARKER IN LUNG NEOPLASMS

Esperanza Salcedo Lobera (Málaga, Spain), Macarena Arroyo Varela, Diego Lopez Peral, Rafael Larrosa Jiménez, Rocio Bautista Moreno

Elucidating the molecular mechanism of Non-specific interstitial pneumonia from bronchoalveolar lavage

Mohammad Shadab Ali (New Delhi, India), Vijay Hadda, Anita Chopra

Detection of NTRK fusions in a series of Brazilian patients diagnosed with non-small cell lung cancer.

Rui Reis (Barretos, Brazil), Rodrigo de Oliveira Cavagna, Beatriz Garbe Zaniolo, Flávia Escremin De Paula, Gustavo Noriz Berardinelli, Murilo Queiroz De Almeida Bonatelli, Iara Santana, Eduardo Caetano Albino Da Silva, Josiane Mourão Dias, Alexandre Arthur Jacinto, Rachid Eduardo Noletto Da Nóbrega Oliveira, Leticia Ferro Leal

EARLY DETECTION OF LUNG CANCER BY METABOLOMIC ANALYSIS APPLIED TO SERUM SAMPLES BEFORE CLINICAL DIAGNOSIS IN HIGH-RISK PATIENTS.

Carolina Gotera (Madrid, Spain), Antonio Pereira Vega, Tamara García Barrera, José María Marín Trigo, Ciro Casanova Macario, Borja García-Cosío Piqueras, Isabel Mir Viladrich, Ingrid Solanes García, José Luis Gómez Ariza, José Luis López-Campos Bodineau, Luis Seijo Maceiras, Nuria Feu Collado, Carlos Cabrera López, Carlos Amado Diago, Amparo Romero Plaza, Luis Alejandro Padrón Frayse, Belen Callejón Leblic, Eduardo Márquez Martín, Margarita Marín Royo, Antonia Llunell Casanovas, Eva Balcells Vilarnau, Cristina Martínez González, Juan Bautista Galdiz Iturri, Celia Lacárcel Bautista, Juan Pablo De Torres Tajés, Isabel Díaz Olivarez, Germán Peces-Barba Romero

A prospective study of NSCLC patients investigating treatment response and resistance mutations

Jana Laszkowski (Kiel, Germany), Michael Forster, Georg Hemmrich-Stanisak, Andre Franke, Malene Støchkel Frank

Screening of potential protein biomarkers in Bronchoalveolar Lavage Fluid (BALF) for early-stage lung adenocarcinoma with diagnostic value by Liquid chromatography MS analysis (LC-MS/MS)

Huohuan Tian (Chengdu, China), Linhui Yang, Shisheng Wang, Tao Su, Hui Zhu, Sai Yang, Hao Yang, Dan Liu

Thymic epithelial tumours present the number of known and novel gene variants in molecular analysis using targeted next-generation sequencing

Adam Szepechciński (Warszawa, Poland), Malgorzata Szolkowska, Sebastian Winiarski, Urszula Lechowicz, Piotr Wisniewski, Magdalena Knetki-Wroblewska

Exogenous tryptophan aggravates experimental lung fibrosis through activation of AKT-mTORC1 pathway

Sung-Woo Park (Bucheon-Si, Republic of Korea), Jisu Hong, Ae-Rin Baek, Susie Chin, An Soo Jang, Do Jin Kim, June Hyuk Lee, Shin Hee Park

Late Breaking Abstract - Inhibiting OGG1, a new strategy for the treatment of IPF, blocking inflammatory and fibrotic cascades

Sandra Ekstedt (Stockholm, Sweden), Christina Kalderen, Ulrika Warpmann Berglund

Late Breaking Abstract - Anti-fibrotic and anti-inflammatory properties of isoform-selective SIK inhibitors in vitro and in vivo

Kristin Wiqvist (Mölnådal, Sweden), Alexander Vidal, Madeleine Ingelsten, Tomas Ottosson, Eylem Gürçan, Thomais Markou, Melker Göransson

PS-15 in poster area

Session

12:30 - 14:00

Poster session: Bronchiectasis diagnostics and outcomes

Disease(s) : Airway diseases Pulmonary vascular diseases

Method(s) : Cell and molecular biology General respiratory patient care Pulmonary function testing Epidemiology Physiology Imaging Pulmonary rehabilitation

Chairs : Michael Loebinger (London, United Kingdom), Oriol Sibila Vidal (Barcelona, Spain)

Preliminary results from the “Genes encoding complex ciliopathies of bronchiectasis” GECCO study: An EMBARC project

Amelia Shoemark (Dundee (Angus), United Kingdom), Mahmoud Fassad, Lidia Perea, Erin Cant, Mathieu Bottier, Josje Altenburg, Anthony De-Soyza, Natalie Lorent, Michael R Loebinger, Felix C Ringshausen, Hannah M Mitchison, James D Chalmers

Convergent validity of the Bronchiectasis Impact Measure: data from the EMBARC-BRIDGE study

Megan Crichton (Dundee (Angus), United Kingdom), Arietta Spinou, Amelia Shoemark, Stefano Aliberti, Josje Altenburg, Francesco Blasi, Clare Clarke, Sanjay Chotirmall, Raja Dhar, Pieter Goeminne, Chales Haworth, Michael Loebinger, Natalie Lorent, Eva Polverino, Felix Ringshausen, Michal Shteinberg, Oriol Sibila, Tobias Welte, James Chalmers

Muscle phenotypic features in the vastus lateralis of patients with bronchiectasis

Mariela Nieves Alvarado Miranda (Reus, Spain), Adriana Núñez-Robainas, María Perez-Peiró, Esther Barreiro

Multiple-breath washout is more sensitive than spirometry to detect lung function impairment in children and adults with bronchiectasis

Niklas Ziegahn (Berlin, Germany), Mirjam Stahl, Stephanie Thee, Mehrak Yoosefi Moridani, Styliani Zagkla, Louise Tröltzsch, Charlotte O. Pioch, Christine Allomba, Leonie M. Busack, Apolline Tosolini, Bent R. Fuhlrott, Marcus A. Mall, Jobst F. Röhmle

The spectrum of structural lung changes in bronchiectasis: Analysis of 524 EMBARC CTs.

Angelina Pieters (Helmond, Netherlands), Tjeerd Van Der Veer, Eleni-Rosalina Andrinopoulou, Jennifer J Meerburg, Menno M Van Der Eerden, Pierluigi Ciet, Stefano Aliberti, Pierre-Regis Burgel, Megan L Crichton, Pieter C Goeminne, Michal Shteinberg, Francesco Blasi, Michael R Loebinger, Charles S Haworth, Daan Caudri, James D Chalmers, Harm Awm Tiddens

Telomere length in patients with bronchiectasis

Lidia Perea (, Spain), Sandra Casas, Estrella Caballeria, Belén Solarat, Tamara Garcia, Núria Mendoza, Pilar Martínez-Olondris, Patricia Chang-Macchiu, Alvar Agustí, Amelia Shoemark, James D Chalmers, Rosa Faner, Oriol Sibila

Association of blood total immunoglobulin E and eosinophils with radiological features of bronchiectasis

Yongchang Sun (Beijing, China), Jiaqi Ren, Ai Chen, Jun Wang, Chun Chang, Juan Wang, Lina Sun

Relationship between sputum concentration and airway inflammatory markers in adults with stable bronchiectasis

Beatriz Herrero Cortina (Zaragoza, Spain), Victoria Alcaraz-Serrano, Hector Sanz-Fraile, Juan Antonio Sáez-Pérez, Lidia Perea-Soriano, Rosa Faner-Canet, Oriol Sibila-Vidal

Upper and lower limb muscle dysfunction in patients with bronchiectasis: the role of systemic inflammation and oxidative stress

Adriana Núñez Robainas (Barcelona, Spain), Mariela Nieves Alvarado Miranda, Maria Pérez Peiró, Esther Barreiro

Bronchiectasis are associated with lower lung function in lung cancer screening participants

A. K. A. L. Kwee (Utrecht, Netherlands), B. Luijk, Pim A. De Jong, R. Vliegenthart, Harry J. M. Groen, Joachim G. J. V. Aerts, Firdaus A. A. Mohamed Hoessein

Clinical outcome prediction by HRCT and Echocardiography Assessment of Pulmonary Hypertension in Patients with Bronchiectasis

Ina Jeong (Seoul, Republic of Korea), Inhan Lee, Jieun Kim, Joon-Sung Joh, Ji Yeon Lee, Joohae Kim, Sooim Sin

Assessment of malnutrition with L1- skeletal muscle mass in non-cystic fibrosis bronchiectasis patients and the effects on exacerbation

Dilara Ömer Topçu (Bursa, Turkey), Aslı Görek Dilektaşlı, Esra Kunt Uzaslan, Nevzat Uslu, Mehmet Karadağ

Assessment of the Non-Cystic Fibrosis Bronchiectasis Severity: the Bronchiectasis Severity Index

Safa belkhir (Tunis, Tunisia), Chirine Moussa, Houda Rouis, Mahdi Abdennadher, Faten Mhiri, Amel Khattab, Ibtiheh Khouaja, Ines Zendah, Sonia Maalej

Nutritional status in non-cystic fibrosis bronchiectasis

Dilara Ömer Topçu (Bursa, Turkey), Aslı Görek Dilektaşlı, Esra Kunt Uzaslan, Mehmet Karadağ

Association between the lung microbiome and severity scores in bronchiectasis

Leticia Bueno Freire (Barcelona, Spain), Rubén López-Aladid, Patricia Oscanoa, Victoria Alcaraz-Serrano, Nil Vázquez, Andrea Palomeque, Roberto Cabrera, Rosanel Amaro, Laia Fernández-Barat*, Antoni Torres*

The usefulness of impulse oscillometry for predicting the severity of bronchiectasis

Ji Soo Choi (Seoul, Republic of Korea), Seok Jae Heo, Se Hyun Kwak, Min Chul Kim, Chang Hwan Seol, Sung Ryeol Kim, Eun Hye Lee

The relationship between chest CT scoring, aetiology and severity of disease in Bronchiectasis: an EMBARC analysis

Angelina Pieters (Helmond, Netherlands), Tjeerd Van Der Veer, Jennifer M Meerburg, Eleni-Rosalina Andrinopoulou, Menno M Van Der Eerden, Pierluigi Ciet, Megan L Crichton, Stefano Aliberti, Pierre-Regis Burgel, Pieter C Goeminne, Charles S Haworth, Michael R Loebinger, Michal Shteinberg, Francesco Blasi, Harm Awm Tiddens, Daan Caudri, James D Chalmers

Variation in clinical characteristics of bronchiectasis according to lung function: an observational study from a lower middle income country

Amna Irfan Ansari (Karachi, Pakistan), Shayan Shahid, Muhammad Tayyab Ihsan, Akbar Shoukat Ali, Muhammad Irfan

Correlation between high resolution computed tomography (HRCT) score and spirometry indices in patients with stable bronchiectasis - A cross sectional study

Soumya Das (Kolkata (West Bengal), India), Amit Kushwaha, Santanu Ghosh

Sarcopenia incidence and implications in bronchiectasis

Umberto Semenzato (PADOVA, Italy), Mariaenrica Tine, Chiara Contin, Andrea Rastelli, Virginia Santello, Rossella Valvason, Marta Zuffellato, Giulia Fichera, Alessandro Miceli, Chiara Giraudo, Andrea Sattin, Anna Maria Cattelan, Marina Sietta

PS-9 in poster area**Session****12:30 - 14:00****Poster session: Comorbidities in chronic obstructive pulmonary disease**

Disease(s) : Airway diseases Thoracic oncology

Method(s) : Epidemiology General respiratory patient care Imaging Pulmonary function testing Physiology Pulmonary rehabilitation Public health Cell and molecular biology

Chairs : Leonardo Michele Fabbri (Modena, Italy), Chair to be confirmed

Cardiac adrenergic innervation and air trapping in patients with moderate-to-severe chronic obstructive pulmonary disease: initial data from a pilot study

Ieva Dimiene (Kaunas, Lithuania), Deimantė Hoppenot, Donatas Vajauskas, Skaidrius Miliauskas

The prevalence of emphysema in patients undergoing lung cancer screening

Marija Vukoja (Sremska Kamenica, Republic of Serbia), Dragan Dragisic, Gordana Vujasinovic, Jelena Djekic Malbasa, Ilija Andrijevic, Goran Stojanovic, Ivan Kopitovic

Diagnostic utility of specific frailty questionnaire, the Kihon Checklist for hippocampal atrophy in COPD

Tsunahiko Hirano (Ube, Japan), Shun Takahashi, Ayumi Fukatsu-Chikumoto, Takuya Ishida, Tomihiro Donishi, Kazuyoshi Suga, Keiko Doi, Keiji Oishi, Shuichiro Ohata, Yoriyuki Murata, Yoshikazu Yamaji, Maki Asami-Noyama, Nobutaka Edakuni, Tomoyuki Kakugawa, Kazuto Matsunaga

Impact of atrial fibrillation and flutter on mortality in patients admitted with acute exacerbation of COPD

Peter Ascanius Jacobsen (Aalborg, Denmark), Stine Kjærsgaard Hansen, Sofie Vejby Thorndal, Ulla Møller Weinreich

The impact of air trapping on left ventricle volumes in patients with treatment naïve moderate-to-severe chronic obstructive pulmonary disease

Ieva Dimiene (Kaunas, Lithuania), Deimantė Hoppenot, Lina Padervinskiene, Skaidrius Miliauskas

Coronary artery disease, COPD exacerbation and inflammation

Mairi MacLeod (London, United Kingdom), Aaron Braddy-Green, Ralph Lopez, Philippa Webb, Logan Sun, Paras Dalal, Kristopher Knott, Simon Davies, M Rubens, Edward D Nicol, Anand Devaraj, Dorian O Haskard, Gavin C Donaldson, Ramzi Y Khamis, Jadwiga A Wedzicha

Impact of COPD on sympathetic drive

Binaya Regmi (Aachen, Germany), Faniry Ratsimba, Benedikt Jörn, Mehdi Senol, Oscar Gorol, Mustafa Elfeturi, Ayham Daher, Vaughan Macefield, Michael Dreher, Jens Spiesshoefer

Unrecognised coronary artery disease in COPD: a case for screening?

Mairi MacLeod (London, United Kingdom), Aaron Braddy-Green, Ralph Lopez, Paras Dalal, Kris Knott, Simon Davies, Michael Rubens, Edward D Nicol, Anand Devaraj, Dorian O Haskard, Gavin C Donaldson, Ramzi Y Khamis, Jadwiga A Wedzicha

Climatic conditions as an important factor in the development of symptoms and comorbidities in COPD

Eugenija Basioli Kasap (Zadar, Croatia), Martina Dokoza, Nataša Karamarković Lazarušić, Gordana Pavliša, Sanda Skrinjarić-Cincar

Association of leptin, adiponectin, and IL-8 gene polymorphism and serum biomarkers in COPD and COPD with T2DM in the north Indian population

Seema Singh (Lucknow, India), Santosh Kumar, Sk Verma

Analysis of ECG parameters associated with worse prognosis in patients with COPD

Martina Kulirova (Hradec Králové, Czech Republic), Miroslav Solar, Michal Kopecky, Barbora Novotna, Marek Plutinsky, Libor Fila, Petr Vanik, Pavlina Musilova, Tomas Dvorak, Petr Safranek, Michal Svoboda, Vladimir Koblizek

Exacerbation history and myocardial infarction in patients with chronic obstructive pulmonary disease (COPD) in Sweden

Oskar Wallström (Göteborg, Sweden), Fredrik Nyberg, Caroline Stridsman, Anne Lindberg, Lowie Vanfleteren

OBSTRUCTIVE PULMONARY DISEASE CORONAROPATHY RISK (COPDCORI) AND SYSTEMIC INFLAMMATION VALUES IN PATIENTS WITH COPD AFTER COMPLETION OF A PULMONARY REHABILITATION PROGRAMME.

Natalia González Florido (Málaga, Spain), Ana Muñoz Montiel, Pedro Ruiz Esteban, Adolfo Domenech Del Río, Miguel Ángel Sánchez Chaparro, Casilda Oliveira Fuster

Association of CAT and PHQ-9 scores for depression among COPD patients – a Philippine cohort.

Jermelyn Saron (Manila, Philippines), Guinevere Agra, Celeste Mae Campomanes, Teresita De Guia, Helen Isaac, Lenora Fernandez, Rodolfo Pagcatipunan, Roland Panaligan, Tim Trinidad

The continuously evolved RE-SAMPLE cohort: predicting outcomes of COPD and comorbidities

Charlotte Cecile Bucsán (Lossers, Netherlands), Anke Lenferink, M G J Brusse-Keizer

Correlation of FEV1 and Pulmonary artery hypertension among patients with COPD, presented to tertiary care hospital, Pakistan.

Saadia Ashraf (Peshawar, Pakistan), Sehrish Khan

Title: Is smoking associated with higher cardiovascular risk and increased unplanned acute medical attendance? A retrospective analysis from the Lung Cancer screening cohort

Rehab Haider (Shrewsbury, United Kingdom), Elizabeth Finn, Shabeena Zeb, Faraz Bharwana, Alice Fitzgerald, Sana Iftikhar, Imran Hussain

Which patient characteristics are associated with exercise-induced desaturation in COPD combined with hypertension?

Anastasiia Melenevych (Kharkiv, Ukraine)

The prevalence and clinical characteristics of COPD in patients with lung cancer

Ivana Canak (Sremska Kamenica, Republic of Serbia), Jelena Mikov, Goran Stojanovic, Nevena Secen, Ilija Andrijevic, Ivan Kopitovic, Nensi Lalic, Marija Vukoja

Exploring patterns of COPD exacerbations and comorbid flare-ups

Sanne H B van Dijk (Enschede, Netherlands), Marjolein G J Brusse-Keizer, Tanja Effing, Paul D L P M Van Der Valk, Eline H Ploumen, Job Van Der Palen, Carine J M Doggen, Anke Lenferink

PS-19 in poster area**Session****12:30 - 14:00****Poster session: Novel insights in the pathogenesis of interstitial lung disease****Disease(s) :** [Interstitial lung diseases](#)**Method(s) :** General respiratory patient care Cell and molecular biology Endoscopy and interventional pulmonology Epidemiology Imaging Physiology Pulmonary function testing**Chairs :** Paolo Cameli (Siena (SI), Italy), Chair to be confirmed**Hypersensitivity Pneumonitis associated to foam pillows and mattresses - mold analysis**

Onofre Moran Mendoza (Kingston (ON), Canada), Gurmohan Dhillon, Alexander Boag

Systemic inflammatory indices in silicosis due to occupational exposure to silica agglomerates (SA).

Alfonso Marin Andreu (San Fernando, Spain), Antonio León Jiménez, Gema Jiménez-Gómez, Raquel De Andrés David, Antonio Hidalgo Molina, Antonio Campos Caro

Capelozzi's necrosis is a novel histological biomarker for the diagnosis of chronic microaspiration in fibrosing interstitial lung diseases

Alexandre Todorovic Fabro (Ribeirao Preto (SP), Brazil), Sabrina Setembre Batah, Heloisa Acurcio Zimmermann, Maria Júlia Faci Do Marco, Mateus Magalhães Lage Moraes, Wagner Moneda Telini, Adriana Paes Leme, Romenia Ramos Domingues, Robson Francisco Carvalho, Amanda Piveta Schnepfer, Andrea Antunes Cetlin, Danilo Tadao Wada, Marcel Koenigkam Santos, Tales Rubens Nadaí, José Antônio Baddini-Martinez, Vera Luiza Capelozzi

Pathology and radiology of interstitial lung disease in patients with telomere-related genes mutations

Alice Guyard (Paris, France), Augustin Gaudemer, Caroline Kannengiesser, Ibrahima Ba, Pierre Mordant, Bruno Crestani, Hervé Mal, Raphaël Borie, Pierre Le Guen, Marie-Pierre Debray, Aurélie Cazes

Dendritic cells profile is related to differential diagnosis in airway-centered interstitial fibrosis

Mateus Magalhães Lage Moraes (RIBEIRÃO PRETO, Brazil), Wagner Moneda Telini, Sabrina Setembre Batah, Maria Julia Faci Do Marco, Heloisa Acurcio Zimmermann, Danilo Tadao Wada, Andrea De Cássia Vernier Antunes Cetlin, Marcel Koenigkam Santos, Tales Rubens De Nadai, Alexandre Todorovic Fabro

Serum metalloproteinase 7 as a biomarker of progressive pulmonary fibrosis

Márcia Araújo (Porto (Porto), Portugal), Marília Beltrão, Oksana Sokhatska, Natalia Melo, Patricia Caetano Mota, Helder Novais Bastos, André Terras, Luís Delgado, António Morais

The neutrophil to lymphocyte ratio in broncho-alveolar lavage in hypersensitivity pneumonitis: preliminary results

Andreea Maftai (Mutu) (Bucuresti, Romania), Ionela Belaconi, Marius-Alexandru Coteț, Ștefan Dumitrache-Rujinski, Claudia Lucia Toma, Marina Ruxandra Oțelea

Peripheral immune cell profiling reveals distinct immune hallmarks in progressive pulmonary fibrosis

Fernanda Ines Hernandez Gonzalez (Barcelona, Spain), Nuria Mendoza, Sandra Casas-Recasens, Tamara Cruz, Nuria Albacar, Gemma Lopez Saiz, Xavier Alsina, Mauricio Rojas, Alvar Agusti, Rosa Faner, Jacobo Sellares

Enhancing the Detection of Interstitial Pneumonia with Autoimmune Features and Idiopathic Pulmonary Fibrosis through the Harmony of Matrix Metalloproteinases and Clinical Diagnosis

Mingtao Liu (Guangzhou, China), Zhangkai J. Cheng, Haiyang Li, Zhiman Liang, Huimin Huang, Baoqing Sun

The remodeling of hemomicrocirculatory bed of the lungs in induced systemic sclerosis

Bohdana Dosluk (Ivano-Frankivsk, Ukraine), Liubomyr Zaiats, Roman Yatsyshyn

Evaluation of pro-inflammatory proteins and joint disease activity in individuals with interstitial lung disease associated with rheumatoid arthritis.

Karol Jazmin Nava Quiroz (México, Mexico), Jorge Rojas-Serrano, Espiridión Ramos-Martínez, Mayra Mejía, Gloria Perez-Rubio, Ivette Buendía-Roldán, Pedro Rodríguez-Henríquez, Ramcés Falfán-Valencia

Pulmonary Silicosis due to different sources of exposure. Clinical Features

Denisse Paulette Mediavilla Angulo (Barcelona, Spain), Galo David Granados Rosales, Cristina Aljama Vizcarra, Julia Sampol Sirvent, Iñigo Ojanguren Arranz, Xavier Muñoz Gall, Cristina Berastegui Garcia, Ana Villar Gomez, Jaume Ferrer Sancho

Novel lipid mediators in pulmonary fibrosis.

Marissa O'Callaghan (County Cork, Ireland), Amina Jouida, Elizabeth J Tarling, Aurelie Fabre, Elizabeth F Redente, James P. Bridges, Michael P. Keane, Cormac McCarthy

Smoking and hypersensitivity pneumonitis: a single Institution retrospective analysis

Francesco Bertuccio (Pavia, Italy), Nicola Baio, Vittorio Chino, Valentina Ferroni, Simone Montini, Valerio Partenope, Lucrezia Pisanu, Vincenzo Sanci, Alessandro Cascina, Valentina Conio, Angelo Guido Corsico, Giulia Maria Stella

Monocyte/macrophage axis as potential drivers of Progressive Fibrosing Hypersensitivity Pneumonitis

Helder Novais Bastos (Lousada, Portugal), Ana Pinto, Filipa Aguiar, Catarina Cardoso, David Coelho, Vanessa Santos, André Terras Alexandre, Ana Luísa Fernandes, Natália Melo, Patrícia Mota, Inês Neves, Susana Guimarães, Conceição Souto Moura, José Miguel Jesus Pereira, André Carvalho, Luís Delgado, Oksana Sokhatska, Marília Beltrão, António Morais, Margarida Saraiva, Rita Santos

Predictors of myositis-specific and myositis-associated antibodies among subjects with interstitial lung diseases

Ori Wand (Kfar Sava, Israel), Yair Levy, David Shitrit, Anna Breslavsky

Anti-Ro-52 antibodies in interstitial lung disease associated with autoimmune disorders

Juan Ignacio Enghelmayer (Ciudad Autónoma Buenos Aires, Argentina), Anabella Rodriguez, Tamara Arias, María José Lopez Meiller, Marina Garcia Carrasco, María Pino, Cecilia Pisoni, Ana María Putruele, Gustavo Medina

Interstitial pneumonia with autoimmune features (IPAF) and connective tissue disease-associated interstitial lung disease (CTD-ILD) – differences in parameters measured in bronchoalveolar lavage (BAL)

Ewa Miadlikowska (Łódź, Poland), Joanna Miłkowska-Dymanowska, Adam Jerzy Białas, Wojciech Jerzy Piotrowski

Frequency and background of progressive fibrosing interstitial lung disease (PF-ILD) in patients with anti-aminoacyl tRNA synthetase (ARS) antibody-positive interstitial lung disease.

Takafumi Yamano (Kurashiki, Japan), Machiko Arita, Tadashi Ishida

Prognostic value of autoantibodies in bronchoalveolar lavage in ILD patients

Karina Portillo Carroz (Badalona (Barcelona), Spain), Carmen Centeno-Clemente, Laura Rodriguez-Pons, Paloma Millan-Billi, Isabel Alfaya, Aina Teniente-Serra, Bibiana Quirant, Amalia Moreno, Pere Serra-Mitjà, Marian García-Núñez, Eva Martínez-Cáceres, Antoni Rosell Gratacos, Iñaki Salvador-Corres

PS-7 in poster area	Session	12:30 - 14:00
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Poster session: Novel treatment strategies for airway diseases: a glimpse into the future

Disease(s) : **Airway diseases**

Method(s) : Cell and molecular biology Physiology General respiratory patient care Pulmonary function testing Epidemiology
Pulmonary rehabilitation

Chairs : Tania Maes (Ghent, Belgium), Juan José Nieto-Fontarigo (Santiago De Compostela, Spain)

A Clinical-Stage Inhaled RNAi Therapeutic For Pulmonary Inflammation Mediates Durable RAGE Silencing In Nonhuman Primates (NHP)

David Kasahara (Madison, United States), Szymon Klossowski, Ben Turner, Holly Hamilton, Taylor Reed, Tao Pei, James Hamilton, Erik Bush

A Lung-Targeted RNAi Therapeutics Delivery Platform Compatible With Subcutaneous (s.c.) Administration Mediates Pulmonary RAGE Silencing In Rodents And Nonhuman Primates

David Kasahara (Madison, United States), Ben Turner, Holly Hamilton, Taylor Reed, Szymon Klossowski, Clay Williams, Christopher Cousineau, Jing Chen, Julia Hegge, Maria Branca-Afrazi, James Hamilton, Tao Pei, Erik Bush

Heterogeneity of the lung microbiome influences response to Astegolimab, an anti ST2, in COPD

Koironi Haldar (Leicester, United Kingdom), David F. Choy, Ahmed Yosuf, Vijay Mistry, Jordan S. Mar, Dorothy Cheung, Michele A. Grimbaldston, Christopher Brightling

ALIENTO and ARNASA: Study designs of two randomised, double-blind, placebo-controlled trials of astegolimab in patients with COPD

Christopher E. Brightling (Leicester (Leicestershire), United Kingdom), James D Chalmers, Parameswaran Nair, Neil J Greening, Russell P Bowler, Tonya Winders, Julie Olsson, Katerina Samara, Divya Mohan, Peter Calverley

Characterization of the ADME profile of tanimilast following administration of an intravenous microtracer combined with a single inhaled dose in healthy males

Michele Bassi (Parma, Italy), Veronica Puviani, Debora Santoro, Sonia Biondaro, Aida Emirova, Mirco Govoni

Effects of Telaglenastat, a glutaminase inhibitor, on airway inflammation and cellular senescence in Cigarette-smoke exposed mice

Kazuhiro Ito (London, United Kingdom), Yasuo Kizawa, Yuki Nishimoto, Genki Kimura, Shyreen Hassibi, Jonathan Baker

COPD and anticoagulant therapy: A retrospective cohort study of 1-year all-cause mortality and risk of hospitalization due to a severe exacerbation of COPD

Bård-Emil Vang Gundersen (København Ø, Denmark), Pradeesh Sivapalan, Josefin Eklöf, Tor Biering-Sørensen, Allan Linneberg, Jens Ulrik Jensen

The bacterial lysate OM-85 amplifies efficacy of Allergen Immunotherapy (AIT) in allergic patients with asthma and rhinitis

Antonios Christopoulos (Patras, Greece), Maria Elpida Christopoulou, Panagiota Tsiri, Vasiliki Sotiropoulou, Eva Theohari, Electra Koulousousa, Demetris Komninos, Georgios Tsirikos, Ioannis Christopoulos, Argyrios Tzouvelekis

Effects of acid-suppressive medications in patients with chronic obstructive pulmonary disease: a multicenter study using a common data model

Jeongwon Heo (Chuncheon-si, Republic of Korea), Seung-Joon Lee, Sung Joon Lee, Seon-Sook Han, Seong-Joon Cho, Ja Kyoung Kim, Yeonjeong Heo

The corticosteroid-sparing effect of vigorous physical activity - a secondary analysis of a randomised controlled trial

Anders Pitzner-Fabricius (Allerød, Denmark), Vibeke Backer

Ensifentrine, a novel dual phosphodiesterase (PDE) 3 and 4 inhibitor, reduces annualized exacerbations and delays the time to first exacerbation in COPD over 48 Weeks

Henrik Watz (Großhansdorf, Germany), Tara Rheault, Thomas Bengtsson, Kathleen Rickard

Anamorelin, a ghrelin receptor agonist, inhibited the allergic airway inflammation in mice

Hiroki Bando (Tokushima, Japan), Seidai Sato, Hirohisa Ogawa, Kazuya Koyama, Kojin Murakami, Yuya Yamashita, Nandin-Erdene Danzan, Keiko Haji, Nobuhito Naito, Hiroshi Kawano, Yasuhiko Nishioka

PI3K γ inhibition suppresses key disease features in a rat model of asthma

James Pinkerton (New Lambton Heights (NSW), Australia), Silvia Preite, Antonio Piras, Dimitrios Zervas, Thomais Markou, Mark Freeman, Tobias Hofving, Eva Lamm Bergstrom, Emil Ivarsson, Sara Bonvini, Wayne Brailsford, Linda Yrlid, Maria Belvisi, Mark Birrell

Cyclo Z alleviates asthma induced by house dust mite (HDM).

Dohyun Lee (Pohang, Republic of Korea), Onyu PARK, Jongsu Jeon, Seoyeong Baek, Hoe-Yune Jung

Effects of Toll-like Receptor Activation on Airway Responses and Inflammation in Guinea Pigs
Yujiao Xiang (Solna, Sweden), Jielu Liu, Mu Nie, Jesper S  fholm, Mikael Adner

Effects of melatonin in an Asthma-COPD overlap model
Cristiane Ribeiro (S  o Paulo, Brazil), Vit  rio Scheffer, Leandro Camargo, Silvia Fukuzaki, Francine Almeida, Renato Righetti, Iolanda Tib  rio, Edna Leick

Silencing TSLP expression with a lung-targeted RNAi molecule suppresses pulmonary allergic inflammation
Tingting Yuan (VERONA, United States), Szymon Klossowski, Maria Afrazi, Holly Hamilton, Julia Hegge, James Hamilton, Tao Pei, Erik Bush

Effectiveness of roflumilast, a phosphodiesterase type-4 (PDE4) inhibitor on biomarkers of inflammation in COPD
Iryna Savelikhina (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Alla Zuban, Oleksandr Varunkiv, Mariana Kulynych-Miskiv, Kostiantyn Shvets, Galyna Korzh, Iryna Makoyda, Nadiia Korzh, Uliana Shevchuk-Budz

The efficacy of chronotherapy in asthma: an open-label, randomised 3-way crossover trial of inhaled corticosteroids (ICS) in atopic asthma
Ran Wang (Manchester (Greater Manchester), United Kingdom), Robert Maidstone, David Ray, Andrew Loudon, Angela Simpson, Dave Singh, Hannah Durrington

Late Breaking Abstract - Efficacy and Safety of Dupilumab for COPD with Type 2 Inflammation Indicated by Elevated Eosinophils
Surya Bhatt (Birmingham, United States), Klaus F. Rabe, Nicola A. Hanania, Claus Vogelmeier, Jeremy Cole, Mona Bafadhel, Stephanie A. Christenson, Alberto Papi, Dave Singh, Elizabeth Laws, Leda Mannent, Eric Mortensen, Jennifer Maloney, Xin Lu, Deborah Bauer, Ashish Bansal, Lacey B. Robinson, Raolat M. Abdulai

12:45-13:45

INDUSTRY LUNCHTIME SYMPOSIUM

SEE PAGE 1

12:45-13:45

INDUSTRY VIRTUAL SYMPOSIUM

SEE PAGE 1

Brown 1+2

Session

12:45 - 13:45

Joint session: Updates on inhalers for COPD and asthma
an ERS / Industry Joint Session

Chairs : Frans H.C. De Jongh (Enschede, Netherlands), Antonio Spanevello (Milano, Italy)

12:45 How to choose and use and inhaler
Omar S. Usmani (London, United Kingdom)

12:55 How to monitor and improve inhaler technique
Janwillem W. H. Kocks (Groningen, Netherlands)

13:05 How to assess and improve inhaler adherence
Federico Lavorini (Firenze (FI), Italy)

13:15 Q&A session
Omar S. Usmani (London, United Kingdom), Federico Lavorini (Firenze (FI), Italy), Janwillem W. H. Kocks (Groningen, Netherlands)

Coral 2

Session

13:45 - 15:15

Symposium: Better outcomes for adults with chronic breathlessness: earlier diagnosis and management

Aims : to review healthcare pathways for people living with chronic breathlessness, from their first presentation to palliation, highlighting the role of integrated care throughout; to critically appraise research and clinical care evaluations of integrated diagnostic pathways for chronic breathlessness to achieve earlier diagnosis and treatment; to discuss the role of artificial intelligence in diagnostic pathways for chronic breathlessness; to review the role of nonpharmacological management for chronic breathlessness including the multidisciplinary team and rehabilitation; to discuss specific causes of breathlessness, such as breathing pattern disorder, exercise-induced laryngeal obstruction and excessive dynamic airway collapse, and their respective management for clinicians to appropriately diagnose and manage breathlessness; to describe complex interventions for distressing breathlessness including breathlessness support services.

Disease(s) : Airway diseases Interstitial lung diseases Pulmonary vascular diseases**Method(s) :** General respiratory patient care Palliative care Pulmonary rehabilitation**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist, Journalist**Chairs :** Karl Sylvester (Cambridge (Cambridgeshire), United Kingdom), Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Thomas Gille (Bobigny, France)**13:45 Earlier diagnosis to earlier treatment for people living with chronic breathlessness**
Rachael A. Evans (Leicester (Leicestershire), United Kingdom)**14:00 Nonpharmacological management of chronic breathlessness including rehabilitation and the multidisciplinary team**
William Man (Harefield, United Kingdom)**14:15 Special considerations in complex breathlessness: breathing pattern disorder, exercise-induced laryngeal obstruction and excessive dynamic airway collapse**
Thomas Halvorsen (Bergen, Norway)**14:30 Integrated breathlessness support services: what are they and what should they include?**
Daisy J.A. Janssen (Horn, Netherlands)**14:45 Discussion and Q&A****Coral 1 Session 13:45 - 15:15****Symposium: Acute respiratory distress syndrome: update and future treatment****Aims :** to describe the state of the art in acute respiratory distress syndrome (ARDS) and upcoming treatment options.**Disease(s) :** Respiratory critical care Respiratory infections**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Nurse, Respiratory critical care physician, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist, Journalist**Chairs :** João Carlos Winck (Vila Nova de Gaia, Portugal), Marieke L. Duiverman (Groningen, Netherlands)**13:45 The new ARDS definition**
Lorraine Ware (Nashville, United States)**14:00 The new European guideline in ARDS: nonpharmaceutical treatments**
Christian Karagiannidis (Cologne, Germany)**14:15 The new European guideline in ARDS: pharmaceutical treatments and upcoming targets**
Danny McAuley (Belfast (Belfast), United Kingdom)**14:30 Weansafe: how do we wean from mechanical ventilation?**
Leo Heunks (Amsterdam, Netherlands)**14:45 Discussion and Q&A****Coral 4+5 Session 13:45 - 15:15****Symposium: Novel concepts for understanding mechanisms of chronic obstructive pulmonary disease initiation and progression****Aims :** to present leading avenues of investigation that will enhance the participants' understanding of early COPD and its progression, relevant molecular disease endotypes and preventive as well as therapeutic strategies; to discuss current advances in our knowledge of COPD immune mechanisms; to discuss how the integration of cutting-edge technologies such as (spatial) single-cell RNA sequencing can help to find more efficient therapies; to discuss novel translational and (pre)clinical development for therapeutic strategies, as well as scientific advancements that may direct current and future therapeutic development; to explain the need for COPD classification and further biomarker discovery for patient 'endophenotyping'; to explain how changes in cell-cell interactions trigger molecular and pathological mechanisms responsible for disease onset and progression; to discuss how to use current advanced technologies to delineate novel targets for COPD drug discovery.

Disease(s) : Airway diseases Interstitial lung diseases Respiratory critical care**Method(s) :** Cell and molecular biology Epidemiology Public health**Tag(s) :** Translational**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Respiratory critical care physician, Patient, Scientist (basic, translational), Journalist**Chairs :** Ali Oender Yildirim (Neuherberg, Germany), Stylianos Loukides (Athens, Greece), Florence Schleich (Liège, Belgium)

13:45	Introduction Ali Oender Yildirim (Neuherberg, Germany)
13:50	Novel immune mechanisms of COPD initiation and progression Francesca Polverino (Houston, United States)
14:05	Approaches to lung regeneration Mareike Lehmann (Marburg, Germany)
14:20	Metabolic alterations in COPD that direct new treatment strategies Suzanne Cloonan (Dublin, Ireland)
14:35	Translating resilience and pathogenesis to personalised therapy for COPD Irina Petrache (Denver, United States)
14:50	Discussion and Q&A

Purple Session 13:45 - 15:15

Symposium: Air pollution, pollen and lung health in the climate change era

Aims : to provide insight into the associations between air pollution/pollen exposures and respiratory health, and to enable clinicians and researchers to tackle the increase in environment-induced diseases emerging with climate change; to describe current knowledge about pollen and air pollution exposures and respiratory allergies and asthma; to explain methodological pitfalls when investigating the effects of pollens and other pollutants; to expand knowledge of air pollution and respiratory health in children; to summarise the role of sex and gender in respiratory immune responses to emerging environmental inhalant threats. Specifically, the session aims are: 1) To describe current knowledge about pollen and air pollution exposures and respiratory allergies and asthma; 2) To explain methodological pitfalls when investigating effects of pollens and other pollutants; 3) To expand knowledge on air pollution and respiratory health in children; 4) To summarize the role of sex and gender on respiratory immune response to emerging environmental inhalant threats.

The proposed symposium connects important priority areas of Assembly 6 (1. Determinants (including airborne pollutants) of lung health in non-smoking adults; 2. Air pollution, emission sources, desert dust storms and climate change: impact on lung health; 3. Towards chronic respiratory disease prevention through occupational and environmental exposure management) to those of other assemblies, such as Assembly 1 (an aging lung: respiratory disease in elderly), Assembly 3 (mechanisms responsible for progression of pulmonary diseases) and Assembly 7 (childhood onset lung disease into adulthood). Appeal and relevance to the broad range of ERS constituents has been carefully built into this proposal.

Disease(s) : Airway diseases Respiratory infections**Method(s) :** Cell and molecular biology Epidemiology Public health**Tag(s) :** Translational**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist, Journalist**Chairs :** Maria Rosaria Bonsignore (Palermo, Italy), Sergio Alfonso Harari (Milano (MI), Italy), Christopher Carlsten (Vancouver (BC), Canada)

13:45	Pollen exposure, respiratory allergy and asthma: what do we know so far? Adrian Lowe (Parkville, Australia)
14:00	Short-term effects of exposure to pollens and other air pollutants: methodological insights for researchers and clinicians Antonio Gasparini (London, United Kingdom)
14:15	Air pollution and paediatric respiratory health: little particles and little lungs Jonathan Grigg (London, United Kingdom)
14:30	Sex as a modifier of effects of the environment and occupation on respiratory disease Speaker to be confirmed
14:45	Discussion and Q&A

Coral 3 Session 13:45 - 15:15

Hot topics: The unfortunate relationship between respiratory disease and infection: challenges which need us to think outside the box

Aims : to understand the molecular mechanism for either the higher likelihood of respiratory infection in chronic respiratory disease or the complications of pulmonary infection in patients with chronic diseases; to highlight the role of preventive measures, mainly vaccination.

Disease(s) : Airway diseases Paediatric respiratory diseases Respiratory infections

Method(s) : General respiratory patient care

Tag(s) : Translational

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Paediatrician, Patient, Journalist

Chairs : Daiana Stolz (Freiburg, Germany), Francesco Blasi (Milan, Italy)

- | | |
|-------|--|
| 13:45 | Sadoul lecture: Dr. Jekyll and Mr. Hyde: why respiratory infectious affect lung health so much?
Tobias Welte (Hannover, Germany) |
| 14:00 | Injuries in childhood are responsible for lung diseases later in life: the role of infection and allergy
Speaker to be confirmed |
| 14:15 | The vicious circle of infection and inflammation in lung disease
Speaker to be confirmed |
| 14:30 | Prevention is better than therapy: why vaccination is a key to a healthier lung?
Speaker to be confirmed |
| 14:45 | Discussion and Q&A |

Gold Session 13:45 - 15:15

State of the art session: Pulmonary vascular diseases

Chronic thromboembolic pulmonary hypertension: treating local complications of systemic disease?

Aims : to place recent insights into the molecular pathogenesis of chronic thromboembolic pulmonary hypertension (CTEPH) into the context of the existing state of the art knowledge of CTEPH and its implementation in current clinical guidelines; to answer the question is whether and how these insights into pathophysiology will change future treatment of CTEPH and determine prognosis and outcomes for patients; to discuss novel targets for treatment and improvements in pharmacological therapy

Disease(s) : Pulmonary vascular diseases

Method(s) : Cell and molecular biology Imaging Surgery

Tag(s) : Translational

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Pathologist, Scientist (basic, translational), Thoracic surgeon

Chairs : Olivier Sitbon (Le Kremlin-Bicêtre, France), Mona Lichtblau (Zürich, Switzerland), Judith Löffler-Ragg (Innsbruck, Austria)

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|-------|--|
| 13:45 | Novel molecular insight into the development of CTEPH
Jurjan Aman (Amsterdam, Netherlands) |
| 14:00 | The natural history of CTEPH
Marion Delcroix (Leuven, Belgium) |
| 14:15 | (Sub)segmental CTEPH should be treated by surgery
David Jenkins (Cambridge, United Kingdom) |
| 14:30 | (Sub)segmental CTEPH should be treated by balloon angioplasty
Xavier Jais (Le Kremlin-Bicêtre, France) |
| 14:45 | Discussion and Q&A |

Silver Session 13:45 - 15:15

Journal session: Highlights from the Journal of the American Medical Association

Global burden of long COVID, morphine for breathlessness in chronic obstructive pulmonary disease and autotaxin inhibitor treatment for idiopathic pulmonary fibrosis

Aims : to provide an update on the global burden of long COVID; to provide information about the use of morphine to treat breathlessness in patients with chronic obstructive pulmonary disease (COPD); to provide information about the effect of autotaxin inhibitor treatment on lung function in patients with idiopathic pulmonary fibrosis (IPF).

Disease(s) : Airway diseases Interstitial lung diseases Respiratory infections**Method(s) :** Epidemiology General respiratory patient care**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Respiratory critical care physician, Physician in Pulmonary Training**Chairs :** Kristin Walter (Chicago, United States)**13:45 Global burden of long COVID**
Merel Hellemons (Rotterdam, Netherlands)**14:00 Morphine for breathlessness in COPD**
Magnus Ekström (Lund, Sweden)**14:15 Autotaxin inhibitor treatment for IPF**
Marlies S. Wijsenbeek (Rotterdam, Netherlands)**14:30 Discussion and Q&A****14:00-14:45****INDUSTRY SKILLS LAB WORKSHOP****SEE PAGE 1****Brown 3****Session****14:15 - 15:30****Oral presentation: Novel research impacting clinical practice in interstitial lung disease****Disease(s) :** Interstitial lung diseases**Method(s) :** Epidemiology General respiratory patient care Surgery Pulmonary function testing Endoscopy and interventional pulmonology Imaging**Chairs :** Wim A. Wuyts (Leuven, Belgium), Athina Trachalaki (London, United Kingdom)**Late Breaking Abstract - Safety, tolerability and antifibrotic activity of bexotegrast: Phase 2a INTEGRIS-IPF study (NCT04396756)**

Wim A. Wuyts (Leuven, Belgium), Claudia Valenzuela, Gisli Jenkins, Jonathan G Goldin, Grace Hyun J Kim, Marzena Jurek, Scott Turner, Martin Decaris, Chris N Barnes, Eric Lefebvre, Gregory Cosgrove, Vincent Cottin

Nationwide All ILD registry with central MDD in Japan; Providing Multidisciplinary ILD diagnoses (PROMISE) study.

Taiki Furukawa (Nagoya (Aichi), Japan), Yasuhiro Kondoh, Shintaro Oyama, Ryo Teramachi, Hironao Hozumi, Takafumi Suda, Tomoyuki Fujisawa, Ryoko Egashira, Takeshi Johkoh, Junya Fukuoka, Kensuke Kataoka, Hideya Kitamura, Osamu Nishiyama, Masaki Okamoto, Naoki Koshimizu, Nobuhisa Ishikawa, Satoshi Okamori, Yasunari Miyazaki, Masashi Bando, Yoshikazu Inoue, Takashi Ogura, Masataka Kuwana, Hiromi Tomioka, Yasuhiko Nishioka, Hirofumi Chiba, Masahito Ebina, Kazuya Ichikado, Yoichi Nakanishi, Naozumi Hashimoto, Yoshimune Shiratori, Yoshinori Hasegawa, Makoto Ishii, . The Providing Multidisciplinary Ild Diagnoses [promise] Study Group

Experience of making early interstitial lung disease diagnosis from patients taking part in UK national pilot lung screening programme.

Daniel Trushell-Pottinger (Doncaster, United Kingdom), Ailsa Holbourn, Kiran Nandakumar, Jason Page, Sue Matthews, Abdul Nasimudeen, Moe Kyi

Use of 1.1-mm probes in transbronchial lung cryobiopsy for diagnosing interstitial lung diseases: a randomized trial
Gang Hou (Beijing, China), Yiding Bian, Mingming Deng**Electronic nose technology differentiates interstitial lung diseases from other chronic respiratory diseases**

Iris G. van der Sar (Rotterdam, Netherlands), Marlies S. Wijsenbeek, Gert-Jan Braunstahl, Jason O. Loekabino, Annemarie C. Dingemans, Johannes C. C. M. In 't Veen, Catharina C. Moor

Development and validation of a nomogram for predicting pulmonary complications after curative resection in idiopathic pulmonary fibrosis patients with early stage lung cancer

Yunjoo Im (Seoul, Republic of Korea), Hongseok Yoo

Telemedicine in patients with Idiopathic Pulmonary Fibrosis

Matteo Davi (Pesaro, Italy), Claudia Duranti, Lina Zuccatosta, Federico Mei, Martina Bonifazi

The clinical frailty scale is associated with progression of fibrotic interstitial lung disease – a multicentre cohort study.

Sabina A. Guler (Bern, Switzerland), Daniel-Costin Marinescu, Gerard Cox, Celine Durand, Jolene H. Fisher, Amanda Grant-Orser, Gillian C. Goobie, Nathan Hambly, Kerri A. Johansson, Nasreen Khalil, Martin Kolb, Stacey Lok, Sarah Macisaac, Helene Manganas, Veronica Marcoux, Julie Morisset, Ciaran Scallan, Shane Shapera, Kelly Sun, Boyang Zheng, Christopher J. Ryerson, Alyson W. Wong

Patient reported assessment of swallowing and throat symptoms and reflux in patients with idiopathic pulmonary fibrosis

(), Chris Ward, Ian Forrest, Michael Drinnan, Joanne M Patterson

Buccal microbiome and survival in idiopathic pulmonary fibrosis: CleanUP-IPF

John Kim (Charlottesville, United States), Promi Das, Shwu-Fan Ma, Piyush Ranjan, Yong Huang, Kevin Anstrom, David O'Dwyer, Fernando Martinez, Jack Gilbert, Imre Noth

Discussion and Q&A**Blue 1+2****Session****14:15 - 15:30****Oral presentation: Untangling the molecular footprints in lung cancer diagnosis and treatment****Disease(s) :** Thoracic oncology**Method(s) :** Cell and molecular biology General respiratory patient care**Chairs :** Rainer G. Wiewrodt (Münster, Germany), Maria Joana Pereira Catarata (Porto, Portugal)**Integrated multi-omics unraveled a basal cell-dependent signature predictor of outcome and immunotherapy response in LUSC**

Jianlong Jia (Munich, Germany), Ruonan Liu, Benteng Deng, Xuanze Guo, Lilith Trassl, Georgia Giotopoulou, Sabine Behrend, Yang Liu, Ali Yildirim, Georgios Stathopoulos, Andrea Schamberger, Isis Fernandez

1G6-D7 regulates the extracellular heat shock protein 90 involved in DNA damage repair affecting tumor immunity in non-small cell lung cancer

Jiangzhou Du (Guangzhou, China), Hangming Dong

IL-17A induces EGFR-targeted therapy resistance via enhancing EGFR activation in lung cancer

Kai Ling Lee (Taipei, Taiwan), Chi-Li Chung, Ming-Hsien Chien

Exosome-GCC2 for the early diagnosis and therapeutic target of lung adenocarcinoma: A multicenter trial

Hyun Koo Kim (Seoul, Republic of Korea), Byeong Hyeon Choi, Hyonggin An, Sukki Cho, Sungsoo Lee, Hyeong Ryul Kim, Jong Ho Cho, Ok Hwa Jeon, Hyunku Shin, Yeonho Choi

Validation of a 5-gene signature for predicting outcomes in early-stage NSCLC patients

Rui Reis (Barretos, Brazil), Keila Cristina Miranda, Alexia Polo Siqueira, Maria Fernanda Santiago Gonçalves, Isabella Lemuqui Tegami, Icaro Alves Pinto, Giovanna Maria Stanfoca Casagrande, Pedro De Marchi, Josiane Mourão Dias, Iara Vidigal Santana, Vinicius Duval Silva, Sabrina Setembre Batah, Heloisa Acurcio Zimmermam, Alexandre Todorovic Fabro, Conceição Souto-Moura, Susana Guimarães, Fátima Carneiro, Cláudia Freitas, Helder Novais E Bastos, Luciane Sussuchi Da Silva, Rui Manuel Reis, Letícia Ferro Leal

The role of CD137-CD137L and CD200-CD200L pathways in the regulation of tumor immune microenvironment.

Iwona Kwiecień (Warszawa, Poland), Elżbieta Rutkowska, Agata Raniszewska, Rafał Sokołowski, Karina Jahnz- Różyk, Piotr Rzepecki

Reproducibility of a 12-gene set for predicting outcome and benefit from ACT in early-stage NSCLC patients

Rui Reis (Barretos, Brazil), Alexia Polo Siqueira, Maria Fernanda Santiago Gonçalves, Isabella Lemuqui Tegami, Keila Cristina Miranda, Icaro Alves Pinto, Pedro De Marchi, Josiane Mourão Dias, Iara Vidigal Santana, Rachid Eduardo Noleto Da Nobrega, Vinicius Duval Da Silva, Sabrina Setembre Batah, Heloisa Acurcio Zimmermam, Alexandre Todorovic Fabro, Conceição Souto-Moura, Susana Guimarães, Fátima Carneiro, Cláudia Freitas, Helder Novais E Bastos, Ignacio Wistuba, Yang Xie, Luciane Sussuchi Da Silva, Rui Manuel Reis, Letícia Ferro Leal

Circulating extracellular vesicles in the identification of immune checkpoint associated with lung cancer

Maureen Cambier (Liège, Belgium), Gaëlle Vanderstichelen, Claire Remacle, Monique Henket, Hadrien Gillet, Barbara Polese, Anne Sibille, Renaud Louis, Julien Guiot, Ingrid Struman

The predictors of lung injury during durvalumab maintenance therapy following concurrent chemoradiotherapy in unresectable locally advanced non-small cell lung carcinoma

Nobuyuki Hiram (Kanagawa, Japan), Masaki Yamamoto, Satoshi Nagaoka, Yukihito Kajita, Chisato Maeda, Sousuke Kubo, Kenichi Seki, Yoshinori Nagahara, Shuhei Teranishi, Ken Tashiro, Makoto Kudo, Takeshi Kaneko

Discussion and Q&A

Red 1+2

Session

14:15 - 15:30

Oral presentation: Biological treatments for asthma: a new era in severe asthma management**Disease(s) :** Airway diseases**Method(s) :** General respiratory patient care Cell and molecular biology Endoscopy and interventional pulmonology Physiology**Chairs :** Lena Uller (Lund, Sweden)**Late Breaking Abstract - Phase I safety and tolerance study of the inhalable anti IL-4Rα single domain antibody, LQ036, demonstrates promising clinical profile to treat asthma**

Yakun Wan (Shanghai, China), Junwei Gai, Min Zhu, Huaiyu Gu, Zhenzhen Deng, Jing Huang

Bronchial submucosal eosinophils predict clinical remission better than blood eosinophils and FeNO in severe uncontrolled asthma treated with biological therapy

Hanaa Shafiek (Alexandria, Egypt), Amanda Iglesias, Mar Mosteiro, Ines Escribano, Nuria Toledo-Pons, Cristina Gomez, Jacinto Ramos, Luis Perez De Llano, Fco.De Borja Garcia-Cosio Piqueras

Non-T2 cytokines post Benralizumab associate with residual symptoms

Manali Mukherjee (Hamilton (ON), Canada), Chynna Huang, Kayla Zhang, Xiaotian Ju, Melanie Kjarsgaard, Carmen Venegas-Garrido, Katherine Radford, Anurag Bhalla, Kiho Son, Sylvia Lauks, Nicola Calma, Sarah Svenningsen, Paul O'Byrne, Roma Sehmi, Parameswaran Nair

Biomarkers and clinical outcomes after cessation of tezepelumab after 2 years of treatment (DESTINATION) Biomarkers and clinical outcomes after cessation of tezepelumab after 2 years of treatment (DESTINATION)

Christopher E. Brightling (Leicester (Leicestershire), United Kingdom), David Jackson, Ales Kotalik, Nestor A Molfino, Scott Caveney, Gene Colice, Neil Martin, Elliot Israel, Ian D Pavord, Michael E Wechsler, Celeste Porsbjerg

Long-Term Dupilumab Efficacy in Patients with Type 2 Asthma by Age of Onset: LIBERTY ASTHMA TRAVERSE

William Busse (Madison, United States), Monica Kraft, Christian Domingo, Ines De Mir, Diego J. Maselli, Xavier Soler, Changming Xia, Nami Pandit-Abid, Juby A. Jacob-Nara, Harry Sacks, Paul J. Rowe, Yamo Deniz

Tezepelumab can restore normal lung function in patients with severe, uncontrolled asthma

Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Christopher E Brightling, Stephanie Korn, Nicole Martin, Sandhia Ponnarambil, Nestor A Molfino, Jane R Parnes, Bill Cook, Christopher S Ambrose

The proportion of patients achieving low biomarker levels with tezepelumab treatment in the phase 3 NAVIGATOR study

David J Jackson (London, United Kingdom), Ian D Pavord, J Christian Virchow, Jane R Parnes, Amgad Gamil, Gillian Hunter, Sandhia Ponnarambil, Neil Martin, Michael E Wechsler

Changes in serum total IgE after cessation of tezepelumab after 2 years of treatment (DESTINATION)

Marco Caminati (Verona (VR), Italy), Jean-Pierre Llanos, Joseph D Spahn, Ales Kotalik, Gene Colice, Santiago Quirce, Jonathan Corren

Durability of Benralizumab-induced remission in severe asthma: an analysis of the BORA study

Marek Lommatzsch (Rostock, Germany), Anat Shavit, Anaud Bourdin, Justin Kwiatek, David Cohen, Delphine Leynaud, Andrew Menzies-Gow

Parasitic Infections and Biological Therapies Targeting Type 2 Inflammation: a Vigibase® Study.

Laurent Guilleminault (Toulouse Cedex, France), François Montastruc, Laurent L. Reber, Jean-François Magnaval, Philippine Lifar

Discussion and Q&A

Brown 1+2

Session

14:15 - 15:30

Oral presentation: Latest research on paediatric asthma**Disease(s) :** Airway diseases**Method(s) :** General respiratory patient care Cell and molecular biology Physiology Pulmonary function testing Epidemiology Public health**Chairs :** Angela Zacharasiewicz (Wien, Austria), Erol Gaillard (Leicester (Leicestershire), United Kingdom)**Late Breaking Abstract - Gut microbiota maturity in infancy and atopic wheeze in childhood.**

Yuan Gao (Beijing, China), Martin O'Hely, Mimi Lk Tang, Sarath Ranganathan, Leonard C. Harrison, Peter Vuillermin

The ERS CRC Severe Paediatric Asthma Collaborative in Europe: asthma control in Children on Biologics

Norrice Liu (London, United Kingdom), Marielle W.H. Pijnenburg, Antoine Deschildre, Silvia Carraro, Grazia Fenu, Valentina Ferraro, Louise L. Fleming, Laurence Hanssens, Amelia Licardi, Enrico Lombardi, Jose Valverde Molina, Anouk Vierhout, Ines De Mir, Franca Rusconi

How much change in FEV1 is associated with an increased risk of an asthma exacerbation?

Stephen Turner (Aberdeen (Aberdeenshire), United Kingdom), Nicole Filipow, Francoise Vermeulen, Robin Vael, Thomas Frischer, Anne Chang, Helen Petsky, Stanley Szefer, Sanja Stanojevic

Exhaled metabolite profiling for asthma control classification in children: results from the SysPharmPediA study

Shahriyar Shahbazi Khamas (Amsterdam, Netherlands), Yoni Van Dijk, Mahmoud I Abdel-Aziz, Anne H Neerincx, Susanne Jh Vijverberg, Simone Hashimoto, Mario Gorenjak, Antoaneta A. Toncheva, Susanne Harner, Susanne Brandstetter, Christine Wolff, Anna Hedman, Catarina Almqvist, Paula Corcuera-Elosegui, Javier Korta-Murua, Olaia Sardón-Prado, Maria Pino-Yanes, Uroš Potočnik, Michael Kabesch, Aletta D Kraneveld, Paul Brinkman, Anke-Hilse Maitland - Van Der Zee

Lung function fluctuation patterns may unveil distinct clinical phenotypes in asthmatic children

Sotirios Fouzas (Patras, Greece), Eirini - Sofia Frima, Nikolaos Karantaglis, Dimos Gidaris, Grigorios Chatziparasidis, Ilias Theodorakopoulos, Aris Bertzouanis, Michael Anthracopoulos, Urs Frey, Edgar Delgado - Eckert

Prematurity-associated lung disease is frequently mis-diagnosed as asthma

Tiffany Bradshaw (Perth, Australia), Denby Evans, Rhea Urs, Elizabeth Smith, Shannon Simpson

Sphingolipid classes and the interrelationship with pediatric asthma risk factors and clinical asthma phenotypes

Yulu Chen (Boston, United States), Antonio Checa, Pei Zhang, Mengna Huang, Rachel Kelly, Min Kim, Yih-Chieh Chen, Kathleen Lee-Sarwar, Nicole Prince, Kevin Mendez, Sofina Begum, Priyadarshini Kachroo, Su Chu, Jakob Stokholm, Klaus Bønnelykke, Augusto Litonjua, Hans Bisgaard, Scott Weiss, Bo Chawes, Craig Wheelock, Jessica Lasky-Su

Prediction of adult asthma-risk in early childhood using novel Adult aSthma Predictive Risk scorEs (ASPIRE)

Hasan Arshad (Southampton (Hampshire), United Kingdom), Abd Farhan, Dilini Kothalawala, Raquel Granell, Angela Simpson, Clare Murray, Adnan Custovic, Graham Roberts, Hongmei Zhang, Ramesh Kurukulaaratchy

Evaluation of early life factors and childhood persistent airflow limitation in severe asthma

Sormeh Salehian (London, United Kingdom), Cara Bossley, Andrew Bush, Sejal Saglani, Louise Fleming

Dynamic network of symptom-trajectories in infancy predicts wheezing disorders at later age

Uri Nahum (Basel, Switzerland), Olga Gorlanova, Fabienne Decrue, Heide Oller, Edgar Delgado Eckert, Andreas Böck, Sven Schulzke, Philipp Latzin, Bianca Schaub, Erika Von Mutius, Urs Frey

Discussion and Q&A**Yellow 1+2+3****Session****14:15 - 15:30****Oral presentation: Bronchiectasis****Disease(s) :** Airway diseases**Method(s) :** General respiratory patient care Imaging Cell and molecular biology**Chairs :** Michael Loebinger (London, United Kingdom), Pieter Goeminne (Bornem, Belgium)**Late Breaking Abstract - Bronchoalveolar lavage amylase level as a promising biomarker of aspiration: a multicenter cross-sectional clinical study**

Lianjun Lin (Beijing, China), Ruixue Zhang, Yeliang Wen, Kun Wang, Dong Xu, Haixia Li, Zhi Zhang, Yiqun Wu, Shiyue Li

Neutrophil metabolomics in bronchiectasis: data from the EMBARC BRIDGE study

Amelia Shoemark (Dundee (Angus), United Kingdom), Yan Hui Giam, Amy Gilmour, Merete B Long, Holly R Keir, Thomas Pembridge, Chloe Hughes, Rebecca C Hull, Eve McIntosh, Holly Lind, Megan L Crichton, Eva Polverino, Stefano Aliberti, Francesco Blasi, Pieter C Goeminne, Tobias Welte, Josje Altenburg, Michal Shteinberg, James D Chalmers

Blood eosinophils, inhaled corticosteroids and exacerbations in bronchiectasis: Data from the EMBARC registry

Jennifer Pollock (Dundee, United Kingdom), Eva Polverino, Megan L. Crichton, Pierre Regis-Burgel, Charles Haworth, Katerina Dimakou, Michael R. Loebinger, Rosario Menendez, Antoni Torres, Tobias Welte, Francesco Blasi, Felix Ringshausen, Anthony De Soyza, Montserrat Vendrell, Stuart J. Elborn, Amelia Shoemark, Stefano Aliberti, Pieter Goeminne, James D. Chalmers

Validation of the Rose Criteria for COPD-Bronchiectasis Overlap: Data from the European Bronchiectasis Registry (EMBARC)

Letizia Traversi (Cittiglio, Italy), Eva Polverino, Pierre-Regis Burgel, Charles Haworth, Katerina Dimakou, Michael Loebinger, Rosario Menendez, Antoni Torres, Tobias Welte, Francesco Blasi, Felix Ringshausen, Anthony De Soyza, Montserrat Vendrell, Amelia Shoemark, Josje Altenburg, Wim Boersma, Stuart Elborn, Stefano Aliberti, Pieter C. Goeminne, James Chalmers

Treatment with the dipeptidyl peptidase-1 inhibitor brensocatib increases the antimicrobial peptide secretory leukocyte peptidase inhibitor (SLPI) in patients with bronchiectasis: results from the WILLOW trial

Lidia Perea (, Spain), Emma Johnson, Carlos Fernandez, Kevin Mange, Ariel Teper, Holly R Keir, Oriol Sibila, Amelia Shoemark, James D Chalmers

Bronchiectasis and mortality in smokers with distinct spirometric phenotypes

Alejandro A Diaz (Arlington, United States), Jose L Orejas, Rim Elalami, Wojciech R Dolliver, Pietro Nardelli, Ruben San Jose Estepar, Bina Choi, Carrie Pistenmaa, James C Ross, Diego J Maselli, Andrew Yen, Michael H Cho, Raul San Jose Estepar

qPCR and 16S rRNA marker-gene sequencing as endpoints for clinical trials of antimicrobials: iBEST study

Michael M Tunney (Belfast (Belfast), United Kingdom), Gisli G Einarsson, Andrew J Lee, Aya Alkhatib, Jack Carson, Andrew Marshall, Stephen Carson, Deirdre F Gilpin, Gerhild Angyalosi, Vincent Malaterre, Michael R Loebinger, James D Chalmers, Francesco Blasi, Charles S Haworth, J Stuart Elborn

Anxiety, depression and bronchiectasis outcomes: Data from the BronchUK study

Jennifer Pollock (Dundee, United Kingdom), Tess Saunders, Georgina Wild, Phil Mawson, Martin Kelly, Stuart Elborn, Adam T. Hill, Tim Gatheral, Anita Sullivan, Charles Haworth, John R. Hurst, Jeremy Brown, Mary Carroll, Vidya Navaratnam, Michael R. Loebinger, Gareth Davies, Judy Bradley, Paul P. Walker, John Steer, Jamie Duckers, Megan L. Crichton, James D. Chalmers, Richard McNally, Anthony De-Soyza

Genetic diversity of Pseudomonas aeruginosa virulence factors in bronchiectasis

Rebecca C Hull (Dundee, United Kingdom), Amy Gilmour, Eve McIntosh, Pieter C Goeminne, Charles Haworth, Holly R Keir, Merete B Long, James D Chalmers

Bronchiectasis and cardiovascular risk: a systematic review and meta-analysis

Ivan Barone (MILANO, Italy), Andrea Gramegna, Crizia Colombo, Antonella Arcadu, Emilia Privitera, Gianfranco Alicandro, Francesco Amati, Marco Vicenzi, Stefano Aliberti, Francesco Blasi

Discussion and Q&A**Amber 3+4 Session 14:30 - 16:50****Skills workshop: SW18 Cardiac ultrasound in the management of pulmonary disease**

Aims : Develop a rigorous and systematic approach in performing and analyzing cardiac ultrasound parameters in respiratory disease. Explain systolic function, diastolic function, right heart dysfunction during COPD patients, the management of pulmonary embolism. Explain the hemodynamic consequences of non-invasive ventilation and propose an echocardiographic monitoring for the best settings of non-invasive ventilation. Develop knowledge and understanding of echocardiographic parameters in patients with COPD, pulmonary embolism or requiring non-invasive ventilation.

Disease(s) : Pulmonary vascular diseases Respiratory critical care**Tag(s) :** Clinical**Chairs :** Bouchra Lamia (Rouen- Le Havre, France)**14:30 Introduction****14:30 Assessment of diastolic function in COPD patients**
Valentina Mercurio (Napoli, Italy)**14:30 Cardiac ultrasound assessment of right heart function**
Paul M. Hassoun (Baltimore, United States)**14:30 Cardiac ultrasound for the management of pulmonary embolism**
Mario Gerges (Vienna, Austria)**14:30 Hemodynamic consequences of non-invasive ventilation**
Bouchra Lamia (Rouen- Le Havre, France)**Amber 1+2 Session 14:30 - 16:50****Skills workshop: SW3 Pulmonary rehabilitation: extending practice to improve health outcomes**
A personalised medicine approach

Aims : to describe diagnostic methods and interventions that enable phenotyping of individuals based on the clinical problems experienced and tailoring of the content of pulmonary rehabilitation programmes to deliver a personalised approach; to describe methods for assessing the physical activity level and promoting physical activity; to assess patients who may benefit from neuromuscular electrical stimulation and to explain how to apply and progress the treatment; to describe and evaluate the incorporation of mindfulness-based interventions into pulmonary rehabilitation and their outcomes.

Disease(s) : Airway diseases Interstitial lung diseases Pulmonary vascular diseases**Method(s) :** General respiratory patient care Physiology Pulmonary rehabilitation**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist**Chairs :** Rainer Gloeckl (Schoenau am Koenigssee, Germany)**14:30 Introduction****14:30 Physical activity assessment and intervention**
Heleen Demeyer (Leuven, Belgium)**14:30 Neuromuscular electrical stimulation: in who and how?**
Lorna Latimer (Rugby (Warwickshire), United Kingdom)**14:30 How to improve balance and reduce falls in people undergoing pulmonary rehabilitation**
Samantha Harrison (Middlesbrough (Stockton-on-Tees), United Kingdom)**14:30 Implementing mindfulness interventions into pulmonary rehabilitation**
Ingeborg Farver-Vestergaard (Vejle, Denmark)**Purple Session 15:30 - 17:00****Symposium: Pollution, climate changes and sustainable developments****Aims :** to focus on our knowledge of pollution, climate changes and health effects and how to manage sustainable developments.**Disease(s) :** Airway diseases Paediatric respiratory diseases Thoracic oncology**Method(s) :** Epidemiology Public health**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Scientist (basic, translational), Journalist**Chairs :** Maria Rosaria Bonsignore (Palermo, Italy), Sergio Alfonso Harari (Milano (MI), Italy), Christopher Carlsten (Vancouver (BC), Canada)**15:30 Why fighting against air pollution and climate change is paramount for planetary health**
Maria Neira (Geneva, Switzerland)**15:45 The striking scientific evidence of air pollution's health effects in children and adults**
Zorana Andersen (Frederiksberg, Denmark)**16:00 Quantifying the morbidity of polluted air**
Francesco Forastiere (Roma (RM), Italy)**16:15 The respiratory health benefits of improved urban exposures**
Erik Melén (Stockholm, Sweden)**16:30 Discussion and Q&A****Coral 4+5 Session 15:30 - 17:00****Symposium: Novel aspects of T helper 17 cells in lung diseases****Aims :** to introduce respiratory fellows and clinical, basic and translational researchers to the emerging role of interleukin-17 and T helper 17 (Th17) cells in lung diseases.**Disease(s) :** Airway diseases Respiratory infections**Method(s) :** Cell and molecular biology**Tag(s) :** Translational**Target audience :** Clinical researcher, Medical Student, Scientist (basic, translational)**Chairs :** Ali Oender Yildirim (Neuherberg, Germany), Stylianos Loukides (Athens, Greece), Florence Schleich (Liège, Belgium)**15:30 The principal immunology of Th17 cells in the lungs**
Jay Kolls (New Orleans, United States)**15:45 Th17 cells in COVID-19**
Speaker to be confirmed

16:00 Th17-associated cytokines in obstructive airway diseases
Qutayba Hamid (Montréal (QC), Canada)

16:15 Th17 cells in fibrosis
Speaker to be confirmed

16:30 Discussion and Q&A

Coral 2 Session 15:30 - 17:00

Symposium: An ageing lung: respiratory disease in the elderly

Aims : to explain the cellular, structural and functional changes that take place in the ageing lung; to evaluate the physiological and immunological changes in elderly patients with chronic obstructive pulmonary disease and interstitial lung disease compared with their healthy age-matched counterparts; to familiarise participants with the diagnostic approach as well as the available therapeutic interventions to combat the consequences of the ageing lung; to explain chronic respiratory diseases across the life course and their associations with frailty.

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Cell and molecular biology Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Respiratory therapist, Journalist

Chairs : Karl Sylvester (Cambridge (Cambridgeshire), United Kingdom), Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Thomas Gille (Bobigny, France)

15:30 Cellular changes in the aging lung
Melanie Konigshoff (Pittsburgh, United States)

15:45 Respiratory function in the ageing respiratory system
Georgios Kaltsakas (Athens, Greece)

16:00 Age-related diseases and chronic respiratory diseases
Lowie E.G.W. Vanfleteren (Gothenburg, Sweden)

16:15 Frailty transitions among patients with chronic respiratory diseases
Lies Lahousse (Ghent, Belgium)

16:30 Discussion and Q&A

Coral 1 Session 15:30 - 17:00

Symposium: Targeting treatable traits in severe chronic obstructive pulmonary disease: a nonpharmacological approach

Aims : to explain the global burden and challenges of chronic obstructive pulmonary disease (COPD); to provide an update on 'treatable traits' for advanced COPD patients beyond 'regular care', covering advanced care planning, pulmonary rehabilitation, lung volume reduction and other innovative bronchoscopic modalities, chronic noninvasive ventilation and lung transplantation; to provide an update on the latest insights into new innovative treatment options for severe COPD patients; to advocate the use of a multidisciplinary team meeting for management of severe COPD patients.

Disease(s) : Airway diseases Sleep and breathing disorders

Method(s) : Endoscopy and interventional pulmonology Pulmonary rehabilitation Respiratory intensive care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Thoracic surgeon, Respiratory therapist

Chairs : João Carlos Winck (Vila Nova de Gaia, Portugal), Marieke L. Duiverman (Groningen, Netherlands)

15:30 Patient's perspective
Speaker to be confirmed

15:35 Home mechanical ventilation in stable and postacute COPD: when, how and why
Nicholas Hart (London, United Kingdom)

15:50	High-flow therapy in COPD: from acute care to home Lara Pisani (Bologna (BO), Italy)
16:05	Innovative bronchoscopic treatment modalities for COPD Konstantina Kontogianni (Heidelberg, Germany)
16:20	Pulmonary rehabilitation in severe and very severe COPD Frits M.E. Franssen (Horn, Netherlands)
16:35	Discussion and Q&A

Coral 3 Session 15:30 - 17:00

Hot topics: Community-acquired infections: what is changing?

An update in the field of respiratory infections is needed due to changing epidemiology and new developments in prevention and treatment

Aims : to provide an update in the field of respiratory infections, which is needed due to changing epidemiology and new developments in prevention and treatment; to explain the observed changes in the epidemiology of community-acquired infections; to review the management of pneumonia in immunocompromised patients; to discuss the recent updates in vaccination and management of pleural infection.

Disease(s) : Respiratory critical care Respiratory infections

Method(s) : Epidemiology General respiratory patient care Public health

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Respiratory critical care physician, Respiratory physiotherapist

Chairs : Daiana Stolz (Freiburg, Germany), Francesco Blasi (Milan, Italy)

15:30	The changing epidemiology of community-acquired pneumonia in the ageing population Catia Cilloniz Campos (Barcelona, Spain)
15:45	The new challenges of pneumonia in immunocompromised patients Scott Evans (Houston, United States)
16:00	How vaccines can reduce the impact of respiratory infections Tobias Welte (Hannover, Germany)
16:15	Updating the management of pleural infections: from prognostic scores to novel fibrinolytic agents Eihab Bedawi (Sheffield, United Kingdom)
16:30	Discussion and Q&A

15:30-16:15

INDUSTRY SKILLS LAB WORKSHOP

SEE PAGE 1

Silver Session 15:30 - 17:00

Clinical trials session: ALERT 2

Chairs : Kristin Walter (Chicago, United States)

15:30	
15:37	
15:44	
15:51	Wrap-up by discussant and discussion
16:13	
16:20	
16:27	
16:34	Wrap-up by discussant and discussion

16:56 Closing remarks

Gold Session 15:30 - 17:00

Clinical cases: Lungs on fire: pulmonary vascular diseases?

Aims : to present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

Disease(s) : Pulmonary vascular diseases Interstitial lung diseases Respiratory critical care

Tag(s) : Clinical

Chairs : Mona Lichtblau (Zürich, Switzerland), Olivier Sitbon (Le Kremlin-Bicêtre, France), Judith Löffler-Ragg (Innsbruck, Austria)

Discussants : Silvia Ulrich (Zurich, Switzerland), David Jiménez Castro (Madrid, Spain)

- 15:30 Case 1 incl. panel discussion and Q&A - Author: V. Stamatopoulou (Greece)**
Silvia Ulrich (Zurich, Switzerland)
- 15:52 Case 2 incl. panel discussion and Q&A - Author: S. Singh (India)**
David Jiménez Castro (Madrid, Spain)
- 16:14 Case 3 incl. panel discussion and Q&A - Author: L. Power (Ireland)**
Silvia Ulrich (Zurich, Switzerland)
- 16:36 Case 4 incl. panel discussion and Q&A - Author: A. Moin (United States of America)**
David Jiménez Castro (Madrid, Spain)

Brown 3 Session 15:45 - 17:00

Oral presentation: Cystic fibrosis in adults

Disease(s) : Airway diseases Respiratory critical care

Method(s) : General respiratory patient care Imaging Pulmonary function testing Cell and molecular biology Epidemiology Public health

Chairs : Andrea Gramegna (Milano (MI), Italy), Maria Do Pilar Azevedo De Almeida Cardim (Lisboa, Portugal)

Late Breaking Abstract - A novel treatment for chronic P. aeruginosa pulmonary infection in CF subjects - A phase 1b/2a randomized, double-blind, placebo-controlled, multicenter study to evaluate phage therapy

Urania Rappo (Ness Ziona, Israel), Ariel Cohen, Edith Kario, Jenia Gold, Hadas-Tamar Nevenzal, Inbal Levy-Saar, Tal Cohen, Iddo Nadav Weiner, Hila Sberro Livnat, Ilya Vainberg Slutskin, Jagoda Jablonska, Tim Axelrod, Ori Bahar, Nufar Buchshtab, Vered Lev, Yaron Tzur, Yulia Zarchin, Myriam Golembo, Eitan Kerem, Merav Bassan

The cellular immune landscape in end-stage cystic fibrosis lungs

Astrid Vermaut (Oud-Heverlee, Belgium), Pieterjan Kerckhof, Hanne Beeckmans, Charlotte De Fays, Vincent Geudens, Janne Kaes, Lynn Willems, Gitte Aerts, Charlotte Hooft, Yousry Mohamady, Jan Van Slambrouck, Birgit Weynand, Ghislaine Gayan-Ramirez, Laurens De Sadeleer, Karen Maes, Laurent Godinas, John McDonough, Naftali Kaminsky, Laurens J. Ceulemans, Robin Vos, Lieven Dupont, Bart M. Vanaudenaerde, Mieke Boon

Characterisation of the CF sputum proteome reveals that innate host defence proteins are depleted in frequent exacerbators

Claire Houston (Belfast, United Kingdom), Aya Alkhatib, Gísli Einarsson, Michael Tunney, Clifford Taggart, Damian Downey

Pharmacokinetics and safety of brensocatib in patients with cystic fibrosis

Michael Konstan (Coventry Twp, United States), Patrick Flume, Christina Ramirez, Sherry Li, Ariel Teper, Marcela Vergara, Helen Usansky

Interim results from a post-marketing observational safety study (PASS) of levofloxacin inhalation solution in patients with cystic fibrosis

Nicholas Simmonds (London, United Kingdom), Susan C. Charman, Julia Wosniok, Debora Santoro, Stella Fiorini, Rémi Charretier, Clara Sanchez, Claudio Procaccianti, Lutz Naehrlich

Economic impact using a virtual model of care in Cystic Fibrosis

Paola Iacotucci (Napoli (NA), Italy), Vincenzo Carnovale, Dandi Qiao, Lorenza Ferrillo, Jolanda Somma, Serena Buonauro, Luigi Massari, Alessandro Sanduzzi Zamparelli, Daniela Savi

Cluster analysis explains heterogeneity in response to elxacaftor/tezacaftor/ivacaftor in people with cystic fibrosis

Federica Bellino (Milano, Italy), Gianfranco Alicandro, Andrea Gramegna, Chiara Premuda, Federica Piedepalumbo, Erica Nazzari, Calogero Sciarabba, Valeria Daccò, Francesco Blasi

Cystic fibrosis transmembrane conductance regulator (CFTR) modulator therapy (ETI) for one-year and changes in structural lung disease in people with CF (pwCF)

Shahid Sheikh (Columbus, United States), Courtney Gushue, Mariah Eisner, Melissa Holtzlander, Karen McCoy

Eradication of Nontuberculous Mycobacteria in people with Cystic Fibrosis treated with**Elxacaftor/Tezacaftor/Ivacaftor: A Multicenter Cohort Study**

Inbal Golan-Tripto (Beer sheva, Israel), Vered Wiesel, Micha Aviram, Meir Mei-Zahav, Miri Dotan, Dario Prais, Malena Cohen-Cymberknob, Michal Gur, Ronen Bar-Yoseph, Galit Livnat, Aviv Goldbart, Guy Hazan, Itai Hazan

Comorbidities in adult patients with Cystic Fibrosis (CF)

Almudena Felipe Montiel (Rubí (CT), Spain), Antonio Álvarez Fernández, Letizia Traversi, David Clofent Alarcón, Karina Loores Reyes, Mario Culebras Amigo, Cristina Esquinas López, Eva Polverino

Discussion and Q&A**Red 1+2****Session****15:45 - 17:00****Oral presentation: Phenotypes and biomarkers in asthma****Disease(s) :** **Airway diseases**

Method(s) : Imaging Physiology Pulmonary function testing Epidemiology Public health General respiratory patient care Cell and molecular biology

Chairs : Fabio L. M. Ricciardolo (Torino, Italy)

Late Breaking Abstract - Seasonal variation in nasal epithelium gene expression

Tatiana Karp (Groningen, Netherlands), Alen Faiz, Huib A. M. Kerstjens, Martijn C. Nawijn, Yidan Sun, Elin T. G. Kersten, Gerard H. Koppelman, Monica Kraft, Bianca Beghé, Klaus F. Rabe, Maxim Kotz, Alberto Papi, Chris E. Brightling, Dave Singh, Thys Van Der Molen, Salman Siddiqui, Victor Guryev, Maarten Van Den Berge

Impact of ERS/ATS 2022 BDR criteria on the characteristics of patients with airways disease

Rod Hughes (Sheffield (South Yorkshire), United Kingdom), Richard Beasley, Eleni Rapsomaniki, Hana Müllerová, Alberto Papi

Cluster analysis to identify distinct clinical asthma phenotypes within ATLANTIS

Pauline Kuks (Groningen, Netherlands), Tatiana Karp, Jorine Hartman, Monica Kraft, Salman Siddiqui, Leonardo Fabbri, Klaus Rabe, Alberto Papi, Chris Brightling, Dave Singh, Maxim Kots, Thys Van Der Molen, Huib Kerstjens, Irene Heijink, Daan Pouwels, Dirk-Jan Slebos, Maarten Van Den Berge

How respiratory symptoms impact asthma-related quality of life in severe asthmatics

Gilles Louis (Liège, Belgium), Florence Schleich, Michèle Guillaume, Bernardo Sousa-Pinto, Jean Bousquet, Renaud Louis, Benoit Pétré

Patient-centred composite index for assessment of response to biological therapy for adult severe asthma.

Ekateirina Khaleva (Southampton, United Kingdom), Chris Brightling, Ratko Djukanovic, Sven-Erik Dahlén, Courtney Coleman, Markaya Henderson, Graham Roberts

Longitudinal assessment of glucocorticoid toxicity in biologics treated severe asthma

Pamela Jane McDowell (Bangor (Co. Down), United Kingdom), John Busby, John Stone, Kirsty Honeyford, Louise Dunn, Claire Butler, Liam Heaney

Associations of imaging biomarkers with physiological markers of small airways dysfunction in asthma in the ATLANTIS study.

Franz Aaron Clemeno (London, United Kingdom), Alexander Bell, Matthew Richardson, Janwillem Kocks, Simonetta Baldi, Judith Vonk, Marika Leving, Bertine Flokstra-De Blok, Leonardo Fabbri, Monica Kraft, Alberto Papi, Klaus Rabe, Maarten Van Den Berge, Tessa Kole, Dave Singh, Craig Galban, Maxim Kots, Christopher Brightling, Salman Siddiqui

Eosinophil-derived neurotoxin determinants and reference values in a middle-aged Swedish population

Suneela Zaigham (Malmö, Sweden), Robert Movérare, Magnus Molin, Anders Sjölander, Christer Janson, Andrei Malinovschi

Urinary eicosanoids - novel biomarkers in T2-low severe asthma

Matthew Chad Eastwood (, Ireland), John Busby, Johan Kolmert, Craig Wheelock, Sven-Erik Dahlén, Pamela-Jane McDowell, David Jackson, Ratko Djukanovic, John Matthews, Joseph Arron, Peter Bradding, Chris Brightling, Rekha Chaudhuri, David Choy, Douglas Cowan, Stephen Fowler, Catherine Hanratty, Timothy Hardman, Timothy Harrison, Cecile Holweg, Peter Howarth, James Lordan, Adel Mansur, Andrew Menzies-Gow, Ian Pavord, Douglas Robinson, Samantha Walker, Ashley Woodcock, Liam Heaney

Identification of neutrophilic asthma via the ratio of sphingolipids to glucocorticoids

Craig Wheelock (Stockholm, Sweden), Yulu Chen, Antonio Checa, Mengna Huang, Pei Zhang, Qingwen Chen, Ayobami Akenroye, Jessica Lasky-Su

Discussion and Q&A**Blue 1+2 Session 15:45 - 17:00****Oral presentation: Optimising diagnostic tools and treatment for malignant pleural effusion and mesothelioma**

Disease(s) : Thoracic oncology

Method(s) : Palliative care General respiratory patient care Surgery Endoscopy and interventional pulmonology

Chairs : Kevin Blyth (Glasgow (Glasgow), United Kingdom), Valentina Pinelli (Sarzana, Italy)

Serum mesothelin is a biomarker for disease progression and mortality in mesothelioma

Geraldine Lynch (Bristol (Avon), United Kingdom), Anna Morley, William Cooper, Anthony Edey, Duneesha De Fonseca, Jenny Symonds, Louise Staddon, Sonia Patole, Kevin Blyth, Anna Bibby

Defining a new diagnostic biomarker panel for malignant pleural mesothelioma using a novel proteomic technique.

Eline Schillebeeckx (Antwerpen, Belgium), Esperanza Fernandez, An Staes, Jan Van Meerbeeck, Kris Gevaert, Kevin Lamote

Pleural fluid mesothelin as a further diagnostic tool in subjects with a histological diagnosis of non specific pleuritic (NSP)

Valentina Pinelli (Sarzana, Italy), Federica Novelli, Paola Ferro, Massimiliano Sivori, Fiorenza Marugo, Ines Costa, Gianfranco Puppo, Intersimone Donatella, Pier Aldo Canessa, Silvio Roncella

Exhaled breath analysis predicts treatment response in malignant pleural mesothelioma patients.

Ellen Heirwegh (Antwerp, Belgium), Eline Schillebeeckx, Eline Janssens, Veerle Surmont, Kristiaan Nackaerts, Elly Marcq, Jan Van Meerbeeck, Kevin Lamote

The Scottish Mesothelioma Network: Impact of a national MDT on overall survival in pleural mesothelioma

Matthew Tate (Glasgow (Glasgow), United Kingdom), Joshua Roche, Selina Tsim, Katie Ferguson, Phil Reid, Philip Short, Mahendran Chetty, Carol Macgregor, Carolyn Macrae, Laura Macnaughton, Tracy Petrie, Susan Smyth, Jen Latham, Lynne Hunter, Rocco Bilancia, Alan Kirk, Craig Dick, Fiona Roberts, Elaine Macduff, Jill Slavin, Hemamalini Pitchamuthu, Gordon Cowell, Simon Sheridan, Mike Gronski, Laura Thomson., Colin Noble, Clinton Ali, Laura Kelly, Elizabeth Sage, Fiona Thomson, Helen Liddicoat, Elaine Smith, Anna Morton, Kevin Blyth

Qualitative study of patient priorities in the malignant pleural effusion pathway

Dinesh Addala (Oxford, United Kingdom), Beenish Iqbal, Poppy Denniston, Anand Sundaralingam, Eihab Bedawi, Rob Hallifax, John Wrightson, Najib Rahman

To study the efficacy of time dependant vs volume dependant chest drain removal protocol for talc slurry pleurodesis in patients with malignant pleural effusion

Richa Gupta (Vellore (Tamil Nadu), India), Sarah Koshy, Prince James, Ashwin Oliver

Does a novel Indwelling Pleural Catheter drainage system improve patient experience?

Hugh Welch (Bristol, United Kingdom), Eleanor Barton, Edward Beech, Sonia Patole, Louise Stadon, Nick Maskell

Pressurized Intra-Thoracic Aerosol Chemotherapy (PITAC): preliminary results in malignant pleural effusion

Maria Giovanna Mastromarino (Pisa, Italy), Fabrizia Calabrò, Gianmarco Elia, Diana Bacchin, Vittorio Aprile, Stylianos Korasidis, Marcello Carlo Ambrogi, Marco Lucchi

Discussion and Q&A**Yellow 1+2+3 Session 15:45 - 17:00****Oral presentation: Tissue modelling and remodelling**

Disease(s) : Respiratory critical care Interstitial lung diseases Airway diseases

Method(s) : Transplantation Cell and molecular biology

Chairs : Niki Ubags (Epalinges, Switzerland), Sara Rolandsson Enes (Lund, Sweden)

Late Breaking Abstract - Single-cell landscape of bronchoalveolar cells in inflammatory and fibrotic post-COVID residual lung abnormalities

Puja Mehta (London, United Kingdom), Blanca Sanz-Magallón Duque De Estrada, Emma Denny, Kane Foster, Carolin Turner, Andreas Mayer, Martina Milighetti, Manuela Plate, Kaylee Worlock, Masahiro Yoshida, Jeremy Brown, Marko Nikolic, Arjun Nair, Benjamin Chain, Mahdad Noursedeghi, Rachel Chambers, Joanna Porter, Gillian Tomlinson

Epithelial metabolic stress in IPF: Identifying intervention strategies using a preclinical murine SftpcI73T model of lung fibrosis

Luis Rodriguez (Philadelphia, United States), Aditi Murthy, Yaniv Tomer, Thalia Dimopoulos, Katrina Chavez, Michael Beers

Glycolysis regulates MMP-dependent tissue remodelling during Tuberculosis infection

Ramla Cusman (London, United Kingdom), Julia Kutschenreuter, Deborah L. W. Chong, Jon S. Friedland

Ex vivo tissue perturbations coupled to single-cell RNA-seq reveal multi-lineage cell circuit dynamics in human lung fibrogenesis

Niklas Jonathan Lang (München, Germany), Janine Gote-Schniering, Diana Porras-Gonzalez, Lin Yang, Laurens J. De Sadeleer, R. Christoph Jentzsch, Vladimir A. Shitov, Shuhong Zhou, Meshal Ansari, Ahmed Agami, Christoph H. Mayr, Baharak Hooshidar Kashani, Yuexin Chen, Lukas Heumos, Jeanine C. Pestoni, Emil Geeraerts, Vincent Anquetil, Laurent Sanier, Melanie Wögrath, Michael Gerckens, Rudolf Hatz, Nikolaus Kneidinger, Jürgen Behr, Wim A. Wuyts, Mircea-Gabriel Stoleriu, Malte D. Luecken, Fabian J. Theis, Gerald Burgstaller, Herbert B. Schiller

Human induced pluripotent stem cell-derived type 2 alveolar epithelial cells – a novel platform to examine the effect of estrogen in Pulmonary Fibrosis

Anja Schweikert (Dublin, Ireland), Mari Ozaki, Irene Oglesby, Killian Hurley

Effect of AAT augmentation therapy on bronchiolitis obliterans development in mice model

Tomoyuki Nakagiri (Hannover, Germany), Sabina Janciauskiene Wallmark

Single-cell spatial proteomics depicts novel dynamics involving senescent progenitors in fibrotic lesions in COPD and IPF

Emanuela Elsa Cortesi (Leuven, Belgium), Asier Antoranz, Vincent Geudens, John E. Mc Donough, Bart Vanaudenaerde, Ghislaine Gayan-Ramirez, Marianne S. Carlon, Veerle Janssens, Wim A. Wuyts, Francesca M. Bosio, Tania Roskams

Towards modelling Birt-Hogg-Dubé syndrome using hipsc-derived alveolar epithelial cells

Alejandro Rodriguez Ruiz (Leiden, Netherlands), Abilash Ravi, Dennis Ninaber, Bart Hoppe, Ruth Olmer, Ulrich Martin, Pieter Hiemstra, Anne Van Der Does

Airway epithelial wound healing is impaired in patients with severe asthma unable to down-titrate anti IL5 biologics

Marianne Bastrup Soendergaard (København N, Denmark), Louise Munkholm Andreasson, Ditte Kjærgaard Klein, Celeste Porsbjerg

A multi-omics approach identifies that human antigen R (HuR) controls multiple cellular pathways in idiopathic pulmonary fibrosis (IPF) pathogenesis

Quazi Islam (Montreal, Canada), Steven K. Huang, David Eidelman, Carolyn Baglole

Discussion and Q&A**Brown 1+2 Session 15:45 - 17:00****Oral presentation: Technical and epidemiological novelties in paediatric lung function and sleep****Disease(s) :** Sleep and breathing disorders Airway diseases**Method(s) :** Physiology Pulmonary function testing Epidemiology General respiratory patient care**Chairs :** Stijn Verhulst (Antwerpen, Belgium), Jessica Taytard (Paris Cedex 12, France)**Late Breaking Abstract - Nasal nitric oxide measurement in children for the diagnosis of primary ciliary dyskinesia: ERS technical standard**

Nicole Beydon (Paris, France), Panayiotis Kouis, June Marthin, Philipp Latzin, Murielle Colas, Stephanie Davis, Eric Haarman, Harris Amanda, Hogg Claire, Kilbride Emma, Kuehni Claudia, Marangu Diana, Nielsen Kim, Pendergrast Catherine, Robinson Phil, Rumman Nisreen, Rutter Matthew, Walker Woolf, Ferkol Thomas, Jane Lucas

Lower tidal breathing lung function at 6 weeks of age, higher maternal BMI in pregnancy and larger sibship size are associated with viral bronchiolitis hospitalisations

Carla Rebeca Da Silva Sena (Newcastle, Australia), Ediane De Queiroz Andrade, Patricia De Gouveia Belinelo, Vanessa E Murphy, Paul D Robinson, Peter G Gibson, Peter D Sly, Wilfried Karmaus, Adam Collison, Joerg Mattes

Determinants of lung function trajectories from birth to 5 years in a South African birth cohort

Diane Gray (Cape Town, South Africa), Carlyle Mccready, Francesca Little, Carvern Jacobs, Shaakira Chaya, Lesley Workman, Mark P Nicol, Zoltan Hantos, Adnan Custovic, Heather J Zar

The impact of GLI Global equations on spirometry interpretation in a diverse pediatric population

Jacob McCoy (Toronto, Canada), David Wilson, Lucy Perrem

Trajectories of sleep oximetry results in Pierre Robin Sequence in the first 6 months of life.

Andrew Prayle (Nottingham (Nottinghamshire), United Kingdom), Abyrami Sivanandarajah, Poppy Godding, Jodie Hussain, Heather Sahunta, Mags Sheahan-Parry, Victoria Stainsby, Emma Watson, Catherine Clarke, Jonathan Syme-Grant, Jason Neil-Dwyer, Rebecca Devaney

The lung clearance ratio: a ventilation inhomogeneity index less sensitive to breathing pattern

Florian Wyler (Bern, Switzerland), Marion Curdy, Xenia Bovermann, Sophie Yammine, Philipp Latzin

Nocturnal Oximetry Reference Values in Healthy Term Infants Aged 1-6 Months

Maria Eleni Liagkaki (Athens, Greece), Anastasia Polytarchou, Angeliki Moudaki, Georgia Koltsida, Christina Kanaka-Gantenbein, Athanasios G. Kaditis

Oxygen(O2) prescribing and compatibility issues in infants on NIV in the UK.

Emily McInnes (London, United Kingdom), Caroline Lock, Divya Patel, Katharine Harman, Cara Bossley

A review of respiratory inductive plethysmography sum (RIPSum) as a surrogate to nasal flow in paediatric cardiorespiratory polygraphy

Natalie Blyth (Nottingham, United Kingdom), Joe Madge, Prakash Patel, Molla Imaduddin Ahmed

Analysis of mandibular movements to improve ventilatory management of children

Julie Cassibba (Paris, France), Audrey Dupond-Athenor, Guillaume Aubertin, Jean-Louis Pepin, Guillaume Mortamet

Discussion and Q&A**PS-11 in poster area Session 16:00 - 17:30****Poster session: Preschool wheeze and asthma: viruses, environmental and other risk factors**

Disease(s) : Airway diseases

Method(s) : Pulmonary function testing Cell and molecular biology Epidemiology Physiology Public health General respiratory patient care Respiratory intensive care

Chairs : Christiane Lex (Goettingen, Germany), Abigail Whitehouse (London, United Kingdom)

The role of respiratory viruses in the association between air pollution and pediatric visits for wheezing: a time-series analysis.

Sam Louman, Karlijn Van Stralen, Annemie Boehmer

Outdoor air nitrogen dioxide augments exercise-induced bronchoconstriction in children

Anna Pauliina Tikkakoski (Nokia, Finland), Antti Tikkakoski, Kalle Sipilä, Juho Kivistö, Mika Kahonen, Jussi Karjalainen, Lauri Lehtimäki

Rhinovirus-induced preschool wheeze in combination with allergic sensitization increases the risk of asthma in early adolescence

Idun Holmdahl (Stockholm, Sweden), Sofia Luning, Anna Asarnoj, Anastasia Filiou, Sabina Wärnberg Gerdin, Magnus Borres, Marianne Van Hage, Cilla Söderhäll, Jon R Konradsen

RSV (Respiratory Syncytial Virus) infection in infancy and its impact on childhood wheezing at 2-year, 4-year and 6-year age: A single center long term follow-up ARSVIAA study (ARSVIAA study-Association of RSV, IgE and atopy in childhood asthma)

Shital Vishnu Patil (Latur (Maharashtra), India), Swati Shital Patil, Yogesh Utage, Abhijit Acharya, Sham Toshniwal

Real time mapping of particulate matter (PM) concentrations and paediatric asthma emergency department (ED) visits

Karl Holden (Liverpool, United Kingdom), Alice Lee, Charlotte King, Olufemi Olajide, Dan Hawcutt, Jonathan Higham, Ian Sinha

Association of FCER2 gene polymorphisms with childhood asthma

Azer Kiliç Baskan (Istanbul, Turkey), Berrak Nevin Oztosun, Huseyin Arslan, Ayşe Ayzit Kılinc Sakallı, Haluk Cezmi Cokugras

Risk factors for asthma related hospital admissions in children and adolescents: Analysis of 205,000 patients in England

Prasad Nagakumar (Birmingham (West Midlands), United Kingdom), Nikita Simms-Williams, Rasiah Thayakaran, Nicola Adderley, Krishnarajah Nirantarakumar, Adel Mansur, Shamil Haroon

Near Fatal and Fatal Asthma in children and young people associated with outdoor air pollution: A systematic review.

Deepa Varghese (Glasgow, United Kingdom), Kathryn Ferris, Bohee Lee, Jonathan Grigg, Hilary Pinnock, Steve Cunningham

Increased innate immune responses in children with acute asthma exacerbation

Shahid Sheikh (Columbus, United States), Joshua Walum, Katie Heyob, Brandon Lewis, Aiman Khan, Karen Mccoy, Benjamin Kopp, Mitchell Grayson, Rodney Britt

Asthma and attention deficit hyperactivity disorder in childhood: birth cohort study

Mohammad Talaei Pashiri, Panagiota Pagoni, Evie Stergiakouli, Seif O. Shaheen

Sex differences in childhood asthma is driven by a T2-high phenotype and mediated through sex hormone metabolites

Laura Hesselberg (København N, Denmark), Nicklas Brustad, Rikke Bjersand Sunde, Min Kim, Ann-Marie Malby Schoos, Jakob Stokholm, Klaus Bønnelykke, Bo Chawes

Is your home impacting on your child's asthma?

Abigail Whitehouse (London, United Kingdom), Charles Moorcroft, Jonathan Grigg

Pattern and risk factor of lower respiratory illness in children who survived meconium aspiration syndrome

Kwang Hee Kim (Bucheon, Republic of Korea), Danbi Kim, Youngah Youn, Juyoung Lee, Hwan Soo Kim

Allergic sensitisation, respiratory tract infections and subsequent preschool lung function: evidence from an Australian birth cohort study

Cassidy Du Berry (Melbourne, Australia), Rheanna Mainzer, Lawrence Gray, Louise King, Peter Sly, Peter Vuillermin, Sarath Ranganathan

MicroRNAs shuttled by extracellular vesicles released by adenoid derived PBMC in children

Simona Taverna (Palermo, Italy), Amelia Licari, Giuseppe Cammarata, Ilaria Brambilla, Lorenza Montagna, Anna Masucci, Velia Malizia, Gian Luigi Marseglia, Stefania La Grutta

Perturbed urinary eicosanoids levels in early life associate with risk of atopic diseases in childhood

Liang Chen (Copenhagen, Denmark), Nicklas Brustad, Min Kim, Yang Luo, Tingting Wang, Mina Ali, Ann-Marie M Schoos, Jakob Stokholm, Morten A Rasmussen, Klaus Bønnelykke, Javier Zurita Pérez, Johan Kolmert, Craig E Wheelock, Jessica Lasky-Su, Bo Chawes

Lung function trajectories in persistent asthma: from preschool to the schoolchildren.

Alberto Vidal (Santiago, Chile), Ramiro González, Selim Abara, Mónica Saavedra, Oscar Fielbaum, María Angelica Palomino, Alejandra Méndez

Consensus priorities for outcomes in oral corticosteroid treatment for preschool wheeze: a nominal group technique study with clinicians and parents

Bohee Lee (Edinburgh, United Kingdom), Steve Turner, Jasmine Hine, Ann McMurray, Damian Roland, Meredith Borland, Péter Csonka, Jonathan Grigg, Theresa Guilbert, Tuomas Jartti, Abraham Oommen, Steff Lewis, Steve Cunningham

Efficacy of oral corticosteroids for preschool wheeze: a meta-analysis of individual participant data from seven randomised controlled trials

Bohee Lee (Edinburgh, United Kingdom), Steve Turner, Meredith Borland, Péter Csonka, Jonathan Grigg, Theresa Guilbert, Tuomas Jartti, Abraham Oommen, Steff Lewis, Steve Cunningham

Preschool wheeze and response to Haemophilus influenzae type B conjugate vaccine

Callum Tipton (Cambridge, United Kingdom), Theofilos Polychronakis

PS-10 in poster area**Session****16:00 - 17:30****Poster session: Environment and respiratory health****Disease(s) :** Airway diseases**Method(s) :** Public health General respiratory patient care Epidemiology Cell and molecular biology Pulmonary function testing**Chairs :** Isabella Annesi Maesano (Montpellier, France), Giovanni Viegi (Pisa (PI), Italy)**Associations of long-term exposure to low-level air pollution and greenness with incidence of protracted cough: results from the RHINE study**

Shanshan Xu (Bergen, Norway), Alessandro Marcon, Randi Jacobsen Bertelsen, Bryndis Benediktsdottir, Thorarinn Gislason, Jørgen Brandt, Lise Marie Frohn, Camilla Geels, Joachim Heinrich, Mathias Holm, Christer Janson, Rain Jogi, Iana Markevych, Hans Orru, Anna Oudin, Vivi Schlünssen, Torben Sigsgaard, Ane Johannessen

Air pollution and childhood asthma in Iceland – results from the Nordic WelfAir project.

Ane Johannessen (Bergen, Norway), Throstur Thorsteinsson, Camilla Geels, Lise Marie Frohn, Jørgen Brandt, Thorarinn Gislason

Human airway Immune homeostasis and lung function are altered with controlled exposure to model wildfire smoke: characterizing susceptibility factors and the secretome

Meghan Rebuli (Chapel Hill, United States), Morgan Nalesnik, Catalina Cobos-Urbe, Alexis Payton, Martha Almond, Carole Robinette, Neil Alexis, Julia Rager, David Peden, Ilona Jaspers

Green space during pregnancy and the development of asthma up to 27 years of age: The Espoo Cohort Study

Aino K. Rantala (Oulu, Finland), Ines Paciencia, Harri Antikainen, Jan Hjort, Timo Hugg, Maritta S. Jaakkola, Jouni J. K. Jaakkola

Greenness exposure: beneficial but multidimensional. A review.

Ane Johannessen (Bergen, Norway), Shanshan Xu, Achenyo Peace Abbah, Christer Janson

In vitro bioreactivity of tyre wear particles collected in real time on human alveolar epithelial cells

Khaled Alzahabi (London, United Kingdom), Toyosi Akande, Ayeh Alobaidi, Georgia May Gamble, Nick Molden, Marc Stettler, Teresa Tetley

Reduced bronchoalveolar phagocytosis after controlled short-term exposure to wood smoke in healthy humans

Alva Hansson (Umeå, Sweden), Gregory Rankin, Oskari Uski, Maria Friberg, Jamshid Pourazar, Robert Lindgren, Natxo García-López, Christoffer Boman, Thomas Sandström, Annelie Behndig, Ala Muala

Residential exposure to microbial emissions from livestock farms: implementation and evaluation of random forest land use models

Beatrice Cornu Hewitt (Utrecht, Netherlands), Lidwien A.M. Smit, Warner Van Kersen, Inge M. Wouters, Dick J.J. Heederik, Jules Kerckhoffs, Gerard Hoek, Myrna M.T. De Rooij

Joint association of air pollution exposure and inflammation-related proteins in relation to infant lung function

Shizhen He (Stockholm, Sweden), Björn Lundberg, Jenny Hallberg, Susanna Klevebro, Göran Pershagen, Kristina Eneroth, Erik Melén, Matteo Bottai, Olena Gruzieva

The role of biodiversity in the development of asthma and allergic sensitization: a systematic review and meta-analysis

Jouni J.K. Jaakkola (Oulu, Finland), Inês Paciência, Timo T. Hugg, Behzad Heibati, Aino K. Rantala, Maritta S. Jaakkola, Needhi Sharma, Wael K. Al-Delaimy

Spatially resolved air pollution models identify disparities in exposure by socioeconomic status (SES)

Meredith Barrett (Portland, United States), Shadi Aslebagh, Vy Vuong, Emma Yakutis, Leanne Kaye, Jason Su

Livestock farm exposures and lung function decline in neighboring residents: a 7-year follow up study

Warner van Kersen (Utrecht, Netherlands), Myrna De Rooij, Bernadette Aalders, Kaitlin Prins, Floor Borlée, Joris Yzermans, Joke Van Der Giessen, Dick Heederik, Mary Rice, Lidwien Smit

The relationship between COVID-19 mortality and socioeconomic status, air quality and housing density in Ankara, Türkiye

Elif Reyhan Sahin (Ankara, Turkey), M Omur Gungor, Ahmet U Demir, A Fuat Kalyoncu

Outdoor air pollution and asthma in low-and middle-income countries: a systematic review

Achenyo Abbah (Bergen, Norway), Shanshan Xu, Ane Johannessen

Chemical composition and the oxidative potential of particulate matter (PM) in source-specific areas around the globe

Constantinos Sioutas (Los Angeles, United States), Vahid Jalali Farahani, Abdulmalik Altuwayjiri

Household air pollution and lung health in children: A systematic review and meta-analysis

Om Prakash Kurmi (Coventry, United Kingdom), Sathya Swarup Aithal, Ishaan Sachdeva, Nagendra Chaudhary

Temporal evolution of PM2.5 levels in relation to Covid-19 mortality in Europe between early-2020 to end-2022 period

Isabella Annesi Maesano (Montpellier, France), Jean-Baptiste Renard, Jeremy Surcin, Eric Poincelet

Partial pressure of arterial oxygen in healthy at altitude - A systematic review

Aglaia Forrer (Thalwil, Switzerland), Thomas Gaisl, Ahmet Sevik, Michelle Meyer, Luzi Senteler, Mona Lichtblau, Konrad Ernst Bloch, Silvia Ulrich, Michael Furian

Health risk perception profiles in Gela: a latent class analysis

Giacomo Iardo (Palermo, Italy), Alessandra Pandolfo, Velia Malizia, Giovanna Cilluffo, Salvatore Fasola, Giuseppe Piva, Liliana Cori, Giovanni Viegi, Stefania La Grutta

Assessing the prevalence of pressurized Metered-dose Inhalers among COPD patients & their eligibility to switch to Dry Powdered Inhalers.

Archana Ganapathy (London, United Kingdom), Asif Khapedi, Kanwar Pannu, Mukherjee Dipak

PS-8 in poster area

Session

16:00 - 17:30

Poster session: Advances in diagnosis and biomarker identification in airways disease

Disease(s) : **Airway diseases**

Method(s) : Epidemiology Public health Cell and molecular biology Transplantation General respiratory patient care Physiology

Chairs : Rachel Nadif (Villejuif, France), Chair to be confirmed

Blood eosinophil count and its determinants in a Chinese population-based cohort

Mei Yang (Chengdu, China), Shijie Tang, Yongchun Shen, Lei Chen, Fuqiang Wen

Surface receptor expression on circulating and airway eosinophils after inhaled allergen challenge

Christiane Whetstone (Hamilton, Canada), John-Paul Oliveria, Karen Howie, Caitlin Obminski, Imran Satia, Nermin Diab, Danica Brister, Jennifer Wattie, Lesley Wiltshire, Paul O'Byrne, Roma Sehmi, Gail Gauvreau

Eosinophil phenotypes in circulation and airways of asthmatics after inhaled allergen challenge.

Christiane Whetstone (Hamilton, Canada), John-Paul Oliveria, Karen Howie, Caitlin Obminski, Imran Satia, Nermin Diab, Dancia Brister, Jennifer Wattie, Lesley Wiltshire, Paul O'Byrne, Roma Sehmi, Gail Gauvreau

Association of complement pathway activation with severe eosinophilic asthma in the C-BIOPRED asthma cohort

Cong Dong (Guangzhou, China), Zhen An Deng, Chang Xing Ou, Xin Hua Fu, Chang Zheng Wang, Hua Hao Shen, Mei Ling Jin, Nkouibert Pryseley Assam, Wei Jiang, Ali Versi, Kian Fan Chung, Qing Ling Zhang, Nan Shan Zhong

Sputum type 2 markers could predict remission in severe asthma after anti interleukin-5.

Catherine Moermans (Liège, Belgium), Chloé Brion, Grégory Bock, Sophie Graff, Sara Gerday, Halehsadat Nekoe, Christophe Poulet, Noémie Bricmont, Monique Henket, Virginie Paulus, Françoise Guissard, Renaud Louis, Florence Schleich

Expression of serum periostin and impaired quality of life in asthma patients with and without allergic rhinosinusitis

Somruetai Matupumanon (Bangkok, Thailand), Theerasak Kawamatawong, Putthapoom Lumjiaktase

Late Breaking Abstract - Urinary nickel level is associated with blood immunoglobulin E among asthma patients.

Chung Shu Lee (Taipei, Taiwan), Chih Hao Chang, Li Chung Chiu

Clinical asthma phenotypes linked to sputum proteome from Chinese C-BIOPRED cohort

Changxing OU (Guangzhou, China), Zhenan Deng, Lingna Xue, Jian Kang, Yunhui Zhang, Mao Huang, Jinfu Xu, Kewu Huang, Qiang Li, QingLing Zhang, Kian Fan Chung, Nanshan Zhong, Jiaying Xie, QingLing Zhang

Plasma IL-36 subfamily levels impact on clinical manifestations of asthma

Yuki Hoshino (Saitama, Japan), Tomoyuki Soma, Tatsuhiko Uno, Reina Ishii, Kazuki Katayama, Hidetoshi Iemura, Erika Naitou, Takahiro Uchida, Shun Sinomiya, Sachiko Miyauchi, Yoshitaka Uchida, Kazuyuki Nakagome, Hidetoshi Nakamura, Makoto Nagata

Possible multiple signalling of MMP-10 in atopic asthma

Nikolaos Tsolakis (Uppsala, Sweden), Andrei Malinovschi, Jörgen Syk, Kjell Alving

12-LOXs-12(s)-HETE-GPR31 signaling axis mediates immune homeostasis in allergic asthma

Peiyan Zheng (Guangzhou (Guangdong), China), Baoqing Sun

Investigating allergen-induced acute lung inflammation in asthmatic individuals using breath biopsies

Agnieszka Smolinska (Maastricht, Netherlands), Imran Satia, Christiane E Whetstone, Maral Ranjbar, Mustafaa Wahab, Karen J Howie, Caitlyn Stevens, Lesley Wiltshire, Jennifer Wattie, Chad Schaber, Federico Ricciardi, Tilly Woodland, Ahmed Tawfike, Samuel Thompson, Atashia Gonsalves, Natalie Tett, Ben Taylor, Rune Kraggsberger, Rory Stallard, Howard Kartstein, Daniel Mead, Lara Pocock, Billy Boyle, Max Allsworth, Gail Gauvreau

Effects of Sex Hormones on Asthma Control in Postmenopause

Samia Aissani (Algiers, Algeria), Houria Haouichat, Ali Zitouni

Sensitization to Staphylococcus aureus toxins in Severe Asthma. The Belgian IgE (BEIgE) study.

Florence Schleich (Liège, Belgium), Eleonore Maury, Claus Bachert, Mieke Jansen, Sandra Gurdain, Jan Van Schoor

Developing and validating clinical models to identify candidates for allergic rhinitis pre-exposure prophylaxis

Wenting Luo (Guangzhou (Guangdong), China)

Associations between sputum cell counts and healthcare use across Ontario patients with asthma or COPD

Kimball Zhang (Toronto, Canada), Teresa To, Sylvia Lauks, Melanie Kjarsgaard, Jingqin Zhu, Emilie Terebessy, Parameswaran Nair

Type 2 inflammation signature using sputum transcriptomics is associated with COPD clinical characteristics

Yuqiong Yang (Guangzhou, China), Junhao Yang, Fengyan Wang, Weijuan Shi, Martin Stampfli, Jeffrey Curtis, Bradley Drummond, Nanshan Zhong, Zhang Wang, Zhenyu Liang, Rongchang Chen

Proteasome function as a biomarker for severe COPD endotypes

Claudia Flexeder (Neuherberg, Germany), Ilona Kammerl, Stefan Karrasch, Frauke Pedersen, Claus Vogelmeier, Jürgen Behr, Sandra Söhler, Henrik Watz, Annette Peters, Holger Schulz, Silke Meiners

ADAM17 sheddase substrates in airway and blood samples of COPD, asthma, and healthy subjects

Carin Larsson (Rydsgård, Sweden), Nicole Van Der Burg, Jaro Ankerst, Leif Bjerner, Ellen Tufvesson

A practical approach to handling missing sputum samples in airways disease research

Laurits Frøssing (Copenhagen V, Denmark), Susanne Hansen, Morten Hvidtfeldt, Asger Sverrild, Celeste Porsbjerg

PS-19 in poster area**Session****16:00 - 17:30****Poster session: Pleural interventions and beyond: what's new?**

Disease(s) : Respiratory critical care Thoracic oncology Airway diseases Interstitial lung diseases

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Physiology Surgery

Chairs : Anand Sundaralingam (Oxford, United Kingdom), Chair to be confirmed

Retrospective risk factor analysis for re-expansion pulmonary oedema after therapeutic pleural effusion drainage at a single centre

Sharan Kumar (Cambridge, United Kingdom), Emilia Swietlik, Jurgen Herre

Bronchial fistulas complicating pneumonectomy: predictors and treatment

selma madhi (Ariana, Tunisia), Imen Bouassida, Mahdi Abdennadher, Hazem Zribi, Sonia Ouerghi, Adel Marghli

Retrospective comparison of the clinical outcomes between low and standard starting doses of intrapleural tissue plasminogen activator in pleural infection

Ka Pang Chan (Hong Kong, Hong Kong), Kwun Cheung Ling, Christopher Chan, Charlotte Ho Ying Lau, Ka Ching Ng, Lai Ping Lo, Wing Ho Yip, Jenny Chun Li Ngai, Kin Wang To, Fanny Wai San Ko, David Shu Cheong Hui

Preventing future chest drain related deaths

Tanjila Khan (Harrow, United Kingdom), Clare Ross, Rudy Sinharay, Mirae Park, Anne O'Mahony, Christina Torrealba, Carl Reynolds

Treatment and clinical outcomes in pleural infection: preliminary results from a multi-centre study

Chiara Fattori (Ancona, Italy), Luca Piergentili, Martina Bonifazi, Francesca Barbisan, Gaia Goteri, Lina Zuccatosta, Alessandro Di Marco Berardino, Michele Sediari, Francesca Gonnelli, Laura Cirilli, Francesco Maria Porcarelli, Piero Emilio Balbo, Elena Paracchini, Giovanna Elisiana Carpagano, Stefano Gasparini, Giampietro Marchetti, Federico Mei

To determine the efficacy of autologous blood patch therapy in reducing air leak in secondary spontaneous pneumothorax.

Jenny Chun Li Ngai (Hong Kong, Hong Kong), Wai Lam Law, Wai Kei Lam, Ka Pang Chan, Susanna Ss Ng, Wing Ho Yip, Rachel L.P Lo, Joyce K.C Ng, Chin Wing Yu, Fanny W.S Ko, Johnny W Chan, David S.C Hui, Y C G Lee

Safety of Ultrasound-guided Medical Thoracoscopy in Patients with Minimal Pleural Effusion

Juei Yang Ma (Kaohsiung, Taiwan), Ying Ming Tsai, Wei An Chang, Pei Chien Tsai, Yen Lin Chiu

Intrapleural instillation of r-tPA in complicated parapneumonic effusion or empyema: a single center experience

Ourania Papaioannou (Patras, Greece), Electra Koulousou, Theodoros Karampitsakos, Panagiota Tsiri, Georgios Tsirikos, Vasilina Sotiropoulou, Eva Theochari, Ioannis Christopoulos, Matthaios Katsaras, Eirini Zarkadi, Elli Malakounidou, Fotios Sampsonas, Argyrios Tzouvelekis

Combination of erector spinae nerve block (ESP) and serratus plane nerve block (SPB) in opioid-free medical thoracoscopy (MT).

Giuseppe Adamo (PALERMO, Italy), Marta Amata, Giuseppe Arcoleo, Maria Rosaria Bonsignore, Patrizia Mazzotta, Francesco Tarantino, Baldassare Renda

Experiences of patients using a novel digital pump drainage system through an indwelling pleural catheter (IPC).

Asfandiyar Yousuf (Loughborough, United Kingdom), Sarah Johnstone, Faye Hinchcliffe, Syed Mohammad, Rajini Sudhir, Rakesh Panchal

Implementation of a proforma for invasive pleural procedures at a district general hospital in the United Kingdom

Swetha John (Finchampstead, United Kingdom), Nur Ilyana Aini Mohamed Jamil, Chung-Mei Maggie Cheung, Dipak Mukherjee, Kanwar Pannu

Diagnostic Utility of Medical Thoracoscopy in Undiagnosed Pleural effusion

Ranganath Thippanahalli Ganga (Raipur (Chhattisgarh), India), Vikas Kumar, Ajoy Behera, Dibakar Sahu, Rakesh Gupta, Amit Rath, Saisoma Kiran

High flow oxygen vs standard management during medical thoracoscopy - a randomised controlled trial

Andrei Darie (Basel, Switzerland), Leticia Grize, Kathleen Jahn, Anna Salina, Jonathan Röcken, Matthias Herrmann, Maria Pascarella, Vivian Suarez, Werner Strobel, Michael Tamm, Daiana Stolz

Regional review of practice in endobronchial stenting in central airways obstruction

Daniel Crowle (Callington, United Kingdom), Parniya Arooj, Joel Eyekpegba, Osama Elzain, Mohammad Awan, Francesco Sellitri, Priyadharshanan Ariyaratnam, Joseph Rahamim, Adrian Marchbank, Cyrus Daneshvar

To evaluate diagnostic yield of small cup biopsy forceps for trans bronchial lung biopsy in adult patients of post viral fibrotic lung disease in post viral/covid era.

Vijay Narain Tyagi (Meerut (Uttar Pradesh), India), Charul Dabral, Manya Narain Tyagi

A study of airway abnormalities and characterization of lesions at flexible bronchoscopy in Nepalese patients presenting with chronic cough with normal radiological imaging

Rejina Shahi (dharan, Nepal), Deebya Raj Mishra, Narendra Bhatta, Avatar Verma, Gunjan Regmi

EBUS-TBNA in octogenarians: Diagnostic yield, sedation and safety. An 8 month, single center, experience

Fotios Sampsonas (Patra, Greece), Georgios Tsirikos, Matthaïos Katsaras, Theodoros Karampitsakos, Ourania Papaioannou, Panagiota Tsiri, Ilektra Koulousousa, Vasilina Sotiropoulou, Eirini Zarkadi, Elli Malakounidou, Argyrios Tzouvelekis

Conscious sedation in bronchoscopy: A randomized controlled trial

Lenda Ben Hmida (Rades, Tunisia), Islam Mejri, Marwa Kacem, Selsabil Daboussi, Samira Mhamdi, Chiraz Aichaouia, Zied Moatemri

EBUS-TBNA for the diagnosis of lung parenchymal lesions: a 10 year analysis

Abhimanyu Lal (Solihull (West Midlands), United Kingdom), Isobel Dugdale, See Ling Tan, Muhammad Niazi

Diagnostic yield and safety of EBUS-TBNA: single centre experience over 10 years

Abhimanyu Lal (Solihull (West Midlands), United Kingdom), Isobel Dugdale, See Ling Tan, Muhammad Niazi

PS-14 in poster area**Session****16:00 - 17:30****Poster session: COVID-19 treatments****Disease(s) :** Respiratory critical care Airway diseases**Method(s) :** Public health Respiratory intensive care Pulmonary function testing Cell and molecular biology General respiratory patient care Epidemiology**Chairs :** Megan Crichton (Dundee (Angus), United Kingdom), Michal Shteinberg (Haifa, Israel)**Lactoferrin in Long COVID patients (LARGO): a randomized, double-blind, controlled trial**

Anne-Lotte Redel (Rotterdam, Netherlands), Fatana Miry, Laurien Oswald, Gert-Jan Braunstahl

Post hoc analysis of a phase 3, cluster randomised clinical trial of peginterferon beta-1a to reduce transmission of SARS-CoV-2: effect of viral load on transmission and risk factors for hospitalisation

Samuel Montgomery (Leederville (WA), Australia), Yuliya Karpievitch, David Hancock, Stephen Stick, . On Behalf Of The Concord-19 Study Team

Bevacizumab in addition to standard of care did not shorten the time to improve hypoxemia in severe hypoxemic COVID-19 pneumonia in a prospective randomized controlled trial.

Jacques Cadranel (Paris Cedex 20, France), Camille Rolland-Debord, Vincent Labbe, Sophie Tuffet, Benjamin Planquette, Jean-Louis Teboul, Romain Jouffroy, Bertrand Guidet, Guillaume Voiriot, Raphael Hindre, Laurent Saval, Julien Schmidt, Michael Darmon, Jonathan Marey, Armand Mekontso-Dessap, Camille Taillé, Etienne Giroux-Leprieur, Florence Geny, Julien Mayaux, Guillaume Carteaux, Tabassome Simon, Antoine Parrot, Alexandra Rousseau, Muriel Fartoukh

Temporal development of non-pharmacological maximum therapies for COVID-19 inpatients

Sandhya Matthes (Duesseldorf, Germany), Johannes Holl, Johannes Randerath, Marcel Treml, Lars Hagmeyer, Winfried Randerath

Virucidal efficacy of cetylpyridinium chloride lozenges against coronavirus and influenza virus

Tina Peiter (Heidelberg, Germany), Maren Goelzer, Tessa Stahl, Yetunde Kolade, Graça Coutinho, Maren Eggers

A comparative study of the effectiveness between pulse regimen methylprednisolone versus high dose dexamethasone as the initial treatment of moderate covid-19 pneumonia: an open-label randomized controlled trial

Jakkrit Laikitmongkhon (Bangkok, Thailand), Tanapat Tassaneyasin, Angsana Phuphuakrat, Sirawat Srichatrapimuk, Tananchai Petnak, Dararat Eksombatchai, Kanin Thammavaranucupt, Somnuek Sungkanuparph, Yuda Sutherasan

Antiviral and anti-inflammatory effects of Erdosteine and MET-1 in SARS-CoV-2 in vitro infection

Sergio Strizzi (Milan, Italy), Fiammetta Danzo, Claudia Vanetti, Mara Biasin, Dejan Radovanovic, Daria Trabattoni, Pierachille Santus

Impact of low molecular weight heparin (LMWH) on SARS-CoV2 Infection: HEPARIN SARS-CoV2 clinical trial.
Remedios Otero Candelera (Sevilla, Spain), Demetrio González-Vergara, Isabel Caparrós, Alberto García-Ortega, Consolación Rodríguez-Matute, Jorge Moisés, Lucía Marín-Barrera, Javier Rodríguez-Martorell

Lopinavir-ritonavir versus darunavir-norvir for hospitalized COVID-19 patients
Dóra Paróczai (Deszk, Hungary), András Bikov, Andreea Blidaru, Emanuel Bobu, Bianca Cerbu, Iosif Marincu, Stefan Mihaicuta, Stefan Frent

Inhaled corticosteroids for post-hospital rehabilitation treatment of patients with COVID-19
Natalia Chaplynska (Ivano-Frankivsk, Ukraine), Victoriia Rudnyk

Remdesivir versus favipiravir in hospitalized patients with moderate COVID-19 pneumonia: A propensity score-matched retrospective cohort study.
Karuna Chavalertsakul (Bangkok, Thailand), Tanachai Petnak, Viboon Boonsarngsuk, Somnuek Sangkanuparph, Kanin Thammavaranucupt, Suppachok Kirdlarp, Yuda Sutherasan

Comparison of effectiveness between baricitinib and tocilizumab in severe COVID-19. A retrospective study.
Ioannis Tomos (Athens (P. Faliro), Greece), Ioannis Grigoropoulos, Chrysavgi Kosti, Serafeim Chrysikos, Antonia Digalaki, Konstantinos Thomas, Georgios Hillas, Dimitrios Boumpas, Anastasia Antoniadou, Dimitra Kavatha, Katerina Dimakou

Is Anakinra effective and safe for severe COVID-19 disease? A Comprehensive Systematic Review of 44 studies including 3179 patients
Alia Abd Rabou Mohamed-Hussein (Assiut, Egypt), Reem Sayad, Abdelrahman Abdelshafi, Islam Abdelaal Hammam, Ahmed M. Kedwany, Shrouk Alaa Eldein Abdallah, Islam H. Ibrahim

Chronic COPD medications and CoViD-19 mortality- an observational study.
Anastasios Stringaris (HERAKLION, Greece), Georgios Makris, Theodoros Moschopoulos, Eirini Pasparaki, Myrto Plexousaki, Emmanouil Ferdoutsis, Georgios Meletis

Tozorakimab in patients hospitalised with COVID-19: a phase 2, randomised adaptive platform study (ACCORD-2)
Thomas Wilkinson (Southampton (Hampshire), United Kingdom), Miles Carroll, Clive Page, Hitesh Pandya, Rachel Moate, Fred Reid, Chris Kell, Ian C Scott, Dave Singh

Clinical trials of inhaled interferon beta-1a (SNG001) in COVID-19 patients in the home and hospital
Phillip D Monk (Southampton (Hampshire), United Kingdom), Jody Brookes, Victoria Tear, Toby Batten, Marcin Mankowski, Felicity Gabbay, Donna Davies, Chris Brightling, Monica Kraft, Ratko Djukanovic, Stephen Holgate, Tom Wilkinson

Effects of prolonged corticosteroid therapy on lung abnormalities and symptoms after severe COVID-19 pneumonia with prolonged respiratory insufficiency
Nevenka Piskac Zivkovic (Zagreb, Croatia), Anja Ljilja Posavec, Nikola Zagorec, Daria Cvetković Kučić

Benefits of N-Acetylcysteine in the SARS-CoV-2 infection
M^a Angeles Galindo-Andúgar (Alcázar de San Juan, Spain), Ángel Arias-Arias, Alfonso García-Guerra, Ana Bellido-Maldonado, Iciar Fernández-Visier, Antonio Cantillo-Berni, Sara Rodríguez-Fernández

A randomised, double-blind, placebo-controlled, multicentre phase 3 trial investigating the efficacy and safety of the angiotensin II type 2 receptor (AT2R) agonist (AT2R) C21 in COVID-19
Rohit Batta (Maidenhead, United Kingdom), Cecilia Ganslandt, Johan Raud, Göran Tornling, Thomas Bengtsson, Gry Hagelund, Anne-Katrine Cohrt, Elin Rosendahl, Maureen Horton

The Effect of Inhaled Corticosteroid (ICS) Use in the Outcomes of COVID-19 Pneumonia among Patients 18 years old and Above Diagnosed with Asthma and COPD in a Tertiary Hospital: A Retrospective Cohort Study
Jay Andrew Ilagan (Pasig, Philippines), Evelyn Victoria Reside

PS-2 in poster area

Session

16:00 - 17:30

Poster session: Respiratory muscle function and rehabilitation

Disease(s) : Interstitial lung diseases Sleep and breathing disorders Airway diseases Pulmonary vascular diseases

Method(s) : Imaging Physiology Pulmonary function testing Pulmonary rehabilitation Cell and molecular biology General respiratory patient care Palliative care

Chairs : Christina M. Spengler (Zürich, Switzerland), Mathieu Marillier (Echirolles, France)

Breathing Under Pressure: An exploratory analysis of differences in respiratory muscle activity and work of breathing during exercise in COPD and ILD

Jeferson George Ferreira (São Paulo (SP), Brazil), Vinícius Carlos Iamonti, Mayra Caleffi Pereira, Renata Pletsch-Assunção, Marcelo Ceneviva Macchione, Pauliane Vieira Santana, Leticia Zumpano Cardenas, Pedro Caruso, Carlos Roberto Ribeiro Carvalho, André Luis Pereira Albuquerque

Muscle oxidative capacity is not impaired in smokers with preserved ratio impaired spirometry

Alessandra Adami (Kingston, United States), Robert A. Calmelat, Richard Casaburi, Harry B. Rossiter

Effect of beta-alanine supplementation on histidine-containing dipeptides in persons with COPD.

Jana De Brandt (Umeå, Sweden), Thibaux Van Der Stede, Jan Spaas, Sarah De Jager, Chris Burtin, Martijn A. Spruit, Wim Derave

High muscle quality index in early follow up predicts 1 year recovery following hospitalisation for COVID-19

Hamish Mcauley (Leicester, United Kingdom), Cara Flynn, Lorna Latimer, George Mills, Molly Baldwin, Charlotte E Bolton, Christopher E Brightling, Omer Elneima, Paul L Greenhaff, William D-C Man, Sally J Singh, Michael Steiner, Louise V Wain, Janet M Lord, Rachael A Evans, Neil J Greening

Diaphragm mobility in patients with systemic sclerosis

Anja Ljilja Posavec (Zagreb, Croatia), Boris Karanović, Ivana Ježić, Renata Huzjan Korunić, Josip Tečer, Stela Hrkač, Joško Mitrović, Nevenka Piskac Živković

A simplified method of twitch mouth pressure measurement for the diagnosis of diaphragmatic dysfunction

Georgia Mitropoulou (Prilly, Switzerland), Maura Prella, Raphaël Heinzer

Sarcopenic muscle extracellular matrix dictates muscle adaptations in a 3D-engineered muscle model of COPD

Davina C M Simoes (Newcastle upon Tyne, United Kingdom), Efpraxia Kritikaki, Gerasimos Terzis, Ioannis Vogiatzis

Can 05 minutes of daily 'Om' chanting increase the respiratory muscle endurance?

NEERJA SHASTRI (Jaipur, India), Ketaki Poorey, Vishwas Mahajan

Muscle oxidative capacity is not different in COPD with and without treated chronic respiratory failure

Alessandra Adami (Kingston, United States), Michele Vitacca, Harry B. Rossiter, Alessandro Cavicchia, Carla Simonelli, Massimo Venturelli, Mara Paneroni

Effect of PEP therapy on lung volumes and health outcomes in adults with chest trauma: a systematic review and meta-analysis

Kerrie Saliba (Hammondville, Australia), Felicity Blackstock, Bredge Mccarren, Clarice Tang

Blunted vascular response to pulmonary rehabilitation in COPD patients and impaired exercise-induced mobilization of endothelial-colony forming cells

Elodie Desplanche (Montpellier, France), Léo Blervaque, Sven Günther, Maxime Gruet, Aurélien Philippe, Jeanne Rancic, Nicolas Gendron, Christophe Hédon, Antonia Perez-Martin, Anne Virsolvy, Olivier Cazorla, Yves Dauvilliers, Maurice Hayot, Arnaud Bourdin, Elisa Rossi, David Smadja, Farès Gouzi

The effect of rehabilitation on total lung volume and blood vessel volumes in long covid

Wendel Dierckx (Kontich, Belgium), Kris Ides, Yinka De Meyer, Erik Franck, Eline Lauwers, Benjamin Lavon, Jan De Backer, Bitu Hajian, Wilfried De Backer

Effect of Exercise Training on Prognosis in Community-Acquired Pneumonia: A Randomised Controlled Trial

Camilla Koch Rysø (Frederiksberg, Denmark), Daniel Faurholt-Jepsen, Christian Ritz, Maria Hein Hegelund, Arnold Matovu Dungu, Bente Klarlund Pedersen, Rikke Krogh-Madsen, Birgitte Lindegaard

Positional Changes in Respiratory Mechanics in Patients with Severe Obesity

Michael Cheng (Broadway (NSW), Australia), Anne Rossel, Amanda Piper, Patrick Murphy, Nicholas Hart, Joerg Steier

Dissociation between dyspnea grade and maximum oxygen consumption

Mercedes Carrasco Sánchez (Móstoles, Madrid, Spain), Valentina Pérez Méndez, Anna Rebeca Hernández González, Javier Carrillo Hernández-Rubio, Angelika Szabó, Estefanía Llopis Pastor, Mercedes García-Salmones Martín

Acute mountain sickness in women – A pilot study

Aijan Taalaibekova (Bishkek, Kyrgyzstan), Michelle Meyer, Stefanie Ulrich, Gulzada Mirzalieva, Maamed Mademilov, Talant M. Sooronbaev, Silvia Ulrich, Konrad E. Bloch, Michael Furian

On the beneficial effects of supplemental O2 in fibrotic interstitial lung disease: did we forget the brain?

Mathieu Marillier (Echirolles, France), Mathieu Gruet, Anne-Catherine Bernard, Benoit Champigneulle, Samuel Vergès, Onofre Moran-Mendoza, J. Alberto Neder

Impact of oxygen therapy and noninvasive ventilation on sympathetic drive in COPD patients.

Binaya Regmi (Aachen, Germany), Faniry Ratsimba, Benedikt Jörn, Mehdi Senol, Oscar Gorol, Lukas Niekrenz, Ayham Daher, Vaughan Macefield, Michael Dreher, Jens Spiesshoefer

Impact of blunted cerebral oxygenation on COPD patients' functional performance

Afroditi Boutou (Thessaloniki, Greece), Marieta Theodorakopoulou, Aggelos Koutlas, Andreas Zafeiridis, Panteleimon Sarafidis, Konstantina Dipla

Late Breaking Abstract - Inspiratory muscle strength training improves dyspnea related to diaphragm muscle weakness in patients with long COVID-19

Jens Spiesshoefer (Aachen, Germany), Binaya Regmi, Rainer Glückl, Michael Dreher

PS-20 in poster area**Session****16:00 - 17:30****Poster session: Ultrasound in respiratory medicine****Disease(s) :** Interstitial lung diseases Respiratory critical care Sleep and breathing disorders Thoracic oncology Airway diseases**Method(s) :** Imaging Respiratory intensive care General respiratory patient care Pulmonary rehabilitation Endoscopy and interventional pulmonology Epidemiology Public health Surgery**Chairs :** Maged Hassan (Alexandria, Egypt), Casper Falster (Odense, Denmark)**Validity evidence of the 2022 ERS thoracic ultrasound Objective Structured Clinical Examination (OSCE)**

Pia Iben Pietersen (Odense C, Denmark), Rahul Bhatnagar, Freja Andreassen, Lars Konge, Christian Laursen, Najib M. Rahman, Anders B. Nielsen

DIAPHRAGMATIC CONTRACTION SPEED AT FOLLOW-UP OF PATIENTS ADMITTED FOR MYASTHENIA GRAVIS

Santos Ferrer Espinosa (Valencia, Spain), Antonio Quezada Reynoso, Jesus Sancho Chinesta, Juan Carbonell Asins, Jaime Signes-Costa Miñana

Use of Diaphragmatic Ultrasound to evaluate respiratory function in patients with Amyotrophic Lateral Sclerosis

Isabel Martínez González-Posada (Oviedo, Spain), Juan Cascón Hernández, Pablo Lozano Cuesta, Ramón Fernández Alvarez, Lucía García Alfonso, Francisco Julián López González, Miguel Ariza Prota, Inés Ruiz Alvarez, Ina Guerassimova, Ángela Lanza Martínez, Laura Martínez Vega, Juan Nieves Salceda, Laura Abad Chamorro, Eduardo Sanchez Vázquez, Patricia Álvarez Alvarez, Maria Rodil Riera

Survey on lung ultrasound usage by portuguese pulmonologists

Maria Beatriz Dias Ferraz (Porto, Portugal), Bruno S. Silva, Filipa Correia, Maria Inês Costa, Maria Esteves Brandão, Nuno Cortesão

Pleural irregularity and diaphragm mobility among patients with systemic sclerosis

Anja Ljilja Posavec (Zagreb, Croatia), Boris Karanović, Ivana Ježić, Renata Huzjan Korunić, Nevenka Piskac Živković, Josip Tečer, Stela Hrkač, Joško Mitrović

Lung ultrasound based prediction of CT-scan Severity Score in COVID-19

Panaiotis Finamore (Roma (RM), Italy), Emanuele Gilardi, Moises Muley, Tommaso Grandi, Silvia Navarin, Michela Orrù, Chiara Bucci, Simone Scarlata, Francesco Travaglino, Federica Sambuco

Comparison of lung ultrasound findings in patients with pulmonary tuberculosis and lobar pneumonia: a case-control study.

Uma Devaraj (Bangalore (Karnataka), India), Priya Ramachandran, Kavitha Venkatnarayan, Chitra Veluthat, Uma Maheswari K

Role of Lung Ultrasound in detection and assessment of severity of ILD in patients with Systemic sclerosis

Richa Gupta (Vellore (Tamil Nadu), India), Davis Joseph K J, Avinash Nair, John Mathew, Manisha Mane

Diaphragm sonography as an educational aid in CPAP and NIMV treatment

Angelo Longoni (Mariano Comense (CO), Italy), Carla Bassino, Tiziana Cappelletti, Francesca Frassanito, Lorenza Fusetti, Giacomo Concas, Mariele Vago, Antonio Paddeu

US training system for ultrasound-guided thoracic interventions

Ana Belén Llanos Gonzalez (La Orotava, Spain), Natalia Arteaga-Marrero, Enrique Villa, Orlando Acosta Fernández, Juan Bautista Ruiz-Alzola, Javier González-Fernández

Diagnostic accuracy of lung ultrasound with elastography in predicting malignant origin of pleural effusions in an emergency department

Rune Wiig (Odense C, Denmark), Casper Falster, Niels Jacobsen, Stefan Posth, August Emil Licht, Christian Laursen

Quantitative US echogenicity to differentiate exudate from transudate pleural effusion

Alaa Amin (Alexandria, Egypt), Mona El Hoshy, Maged Hassan

Difference in strain elastosonography between benign and malignant peripheral lung lesions

Ahmed Farag Abouelnour (Alexandria, Egypt), Mona Saeed El-Houshy, Essam Gouda Hassanein, Ayman Ibrahim Baess, Rania Ahmad Sweed, Doaa Mokhtar Emara

A retrospective review of the sonographic features of rheumatoid pleuritis.

Hui Guo (Northcote (VIC), Australia), Beenish Iqbal, Dinesh Addala, Anand Sundaralingam, Poppy Denniston, Najib Rahman

Replacing fluoroscopy with ultrasound to evaluate diaphragm excursion? A method comparative study.
Søren Helbo Skaarup (Aarhus C, Denmark), Peter Juhl-Olsen, Brian Bridal Løgstrup

Assessing the accuracy of pleural puncture sites as determined by clinic-radiological examination versus Lung Ultrasound- a prospective study.
Naveen Dutt (Jodhpur (Rajasthan), India), Shahir Asfahan, Nishant Kumar Chauhan, Ramniwas -, Mahendra Kumar Garg, Pawan Kumar Garg, Gopal Krishna Bohra, Nitin Kumar Bajpai

Point-of-care ultrasound for the assessment of subglottic and cervical tracheal stenosis: A Prospective, Multicenter, Exploratory Study
Gang Hou (Beijing, China), Jieru Lin, Mingming Deng

Validation of transthoracic shear-wave ultrasound elastography in diagnosing pleural lesions
Yao-Wen Kuo (Taipei City, Taiwan), Yen-Lin Chen, Huey-Dong Wu, Hao-Chien Wang

Evaluation Of Atherosclerosis As A Risk Factor in COPD Patients By Measuring The Carotis Tunica Intima-Media Thickness.
Ali Firinciogullari (Nicosia, Cyprus), Hakan Ertürk, Mujgan Firinciogullari, Cigdem Biber

Comparison of diagnostic yield and complications in ultrasound-guided thoracocentesis versus non-ultrasound guided thoracocentesis in a Level 3 Hospital
Niamh Boyle (Celbridge, Ireland), Jack Mccarthy, Caitlyn Paclibar, Colm Quigley

PS-9 in poster area Session 16:00 - 17:30

Poster session: Pulmonary function, lung function trajectories and other respiratory conditions

Disease(s) : Airway diseases Thoracic oncology

Method(s) : Epidemiology Public health Pulmonary function testing General respiratory patient care Cell and molecular biology Imaging

Chairs : Arne Drews (Grimma, Germany), Chair to be confirmed

Epigenetic features in newborns associated with preadolescence lung function and asthma acquisition during adolescence
Mohammad Nahian Ferdous Abrar (Memphis, United States), Hongmei Zhang, Wilfried Joachim Jurgen Karmaus, John Holloway, Hasan Arshad, Yu Jiang

Lung function trajectories and their associations with comorbidity markers.
Sigrid Anna Aalberg Vikjord (TRONDHEIM, Norway), James P Allinson, Arnulf Langhammer, Lowie Etienne Vanfleteren

Lung development genes, adult lung function and cognitive traits
Mohammad Talaei Pashiri, Laura Portas, Sheena Waters, Benjamin M Jacobs, Charles R Marshall, Cosetta Minelli, Seif O. Shaheen

Type-2 inflammation is associated with accelerated lung function decline in individuals with chronic airway disease from the general population
Yunus Çolak (Espergærde, Denmark), Shoaib Afzal, Jacob L. Marott, Børge G. Nordestgaard, Peter Lange

Advanced glycation end products (AGEs) in relation to COPD and lung function: the Rotterdam Study
Tianqi Lu (Rotterdam, Netherlands), Lies Lahousse, Sara Wijnant, Jinluan Chen, Guy Brusselle, Mandy Van Hoek, M. Carola Zillikens

Clinical relevance of lung function trajectory clusters in middle-aged and older adults
Xander Bertels (Gent, Belgium), James Ross, Rosa Faner, Michael Cho, Guy Brusselle, Lies Lahousse

Impact of low lung function in atherosclerotic cardiovascular disease
Shoaib Afzal (Herlev, Denmark), Børge G. Nordestgaard, Yunus Colak

Diet quality, ventilatory function and respiratory impairment in Colombian adults – preliminary findings from the Cartagena Cohort Study
Maria Stephany Ruiz-Diaz (Cartagena de Indias, Colombia), Gustavo Mora-Garcia, Ana Luiza De Lima Curi Hallal, Ziyi Xu, Diana Mena-Yi, Francisca De Castro-Mendes, Elmer Fernandez, Carla Tarazona-Meza, Fernando Manzur-Jattin, Amileth Suarez-Causado, Edgar Vergara-Dagobeth, Nerlis Pajaro-Castro, German Otero-Marrugo, Federico Prada, Rodrigo Villegas, Vanessa Garcia-Larsen

Mortality by cause of death, spirometric pattern and sex - the OLIN COPD study
Ann Lindberg (Boden, Sweden), Helena Backman, Sami Sawalha, Ulf Nilsson, Linnea Hedman, Caroline Stridsman, Nikolai Stenfors, Eva Rönmark

The effects of body mass index on lung vital capacity in healthy Chinese adults

Siyou Dai (Hangzhou, China), Feng Chen, Fanjing Meng, Le Wang, Lingxiao Ye, Jianping Wang, Dingbo Shu, Meiqi Li, Yajiao Chen, Xiaochen Liu, Wanzhen Yao, Xiangyue Xiao, Yanjing Zhang, Yong Chen, Jie Liu, Yufei Hua, Jianping Ding

A reference range of FEV1 change rate calculated from a longitudinal analysis of a 15 years' spirometry dataset of a health check-up clinic of Japan

Tetsuo Kimura (Saku, Japan), Satoru Yanagisawa, Satoshi Wasamoto, Nariaki Ohura, Nobutoshi Morozumi

Small airways and decline in pulmonary diffusing capacity for carbon monoxide in an 8-year follow-up population-based study

Francesco Pistelli (Pisa (PI), Italy), Sara Maio, Anna Angino, Giuseppe Sarno, Ilaria Stanisci, Sandra Baldacci, Patrizia Silvi, Laura Carrozzi, Giovanni Viegi

Spirometry and cause-specific mortality. A community 26 years follow-up of young men.

Lucia Cestelli (Bergen, Norway), Amund Gulsvik, Ane Johannessen, Knut Stavem, Rune Nielsen

The interaction effect between genetic risk score and obesity on asthma and lung function

Tsen Hsin Tai (Kaohsiung City, Taiwan), Tsu-Nai Wang

The war in Ukraine and the spread of tuberculosis in Europe

Ihor Semianiv (Chernivtsi, Ukraine), Liliia Todoriko, Olena Pidverbetska, Inga Yeremenchuk, Yana Toderika

Current etiologies of hemoptysis in a tuberculosis-endemic country.

Meriem Mjid (Tunis, Tunisia), Asma Zargouni, Khadija Euchi, Mouna Aouini, Yacine Ouahchi, Sana Cheikhrouhou, Sonia Toujani, Abir Hedhli, Bisma Dhahri

Identification of rhinitis phenotypes using an unsupervised approach in the Constances cohort

Marine Savouré (Paris, France), Jean Bousquet, Laurent Orsi, Marcel Goldberg, Bénédicte Leynaert, Mohamed Nadif, Céline Ribet, Marie Zins, Bénédicte Jacquemin, Rachel Nadif

bronchogenic carcinoma in women

Chaimae Belhaj (Casablanca, Morocco), Hajar Arfaoui, Hasnae Jabri, Wiam El Khattabi, Hicham Afif

Diagnostic difficulties in tuberculous pleural effusion in adults

Tatiana Osipov (Chisinau, Republic of Moldova), Iulia Ghelis, Adriana Niguleanu

Prevalence of respiratory symptoms and lung diseases in lung cancer screening program

Jelena Djekic Malbasa (Novi Sad, Republic of Serbia), Tomi Kovacevic, Ana Milenković, Bojan Zaric, Goran Stojanovic, Darijo Bokan

PS-15 in poster area**Session****16:00 - 17:30****Poster session: The 3 Ts of lung cancer management: targets, treatment response and troubles**

Disease(s) : Thoracic oncology Airway diseases

Method(s) : Cell and molecular biology General respiratory patient care Respiratory intensive care Epidemiology Surgery Public health Endoscopy and interventional pulmonology

Biomarkers in non-small cell lung cancer patients: are they always worth looking for?

Michele Barp (Feltre, Italy), Mariaenrica Tine, Federica Pezzuto, Francesca Scalvenzi, Lorenzo Ciarrocchi, Fiorella Calabrese, Mariaenrica Tine

Late Breaking Abstract - Probe-based Confocal Laser Endomicroscopy (pCLE) As A Tool In Lung Cancer Diagnosis In Ecuador

EFRAIN SANCHEZ (guayaquil, Ecuador), Galo Chang, Elvis Matheus

Relationship between age and chemotherapy regimen for elderly patients with advanced lung cancer

Ritsuya Shiiba, Yoshihito Kogure, Hiroto Murao, Yuki Takigawa, Atsushi Torii, Arisa Yamada, Yuka Shinohara, Hidemasa Niwa, Masahiro Sano, Chiyo Kitagawa, Masahide Oki

Identification of predictive factors for early relapse in patients with unresectable stage III NSCLC receiving consolidation durvalumab after concurrent chemoradiation therapy

Jung Hyun Nam (Seoul, Republic of Korea), Chang Dong Yeo, Chan Kwon Park, Sung Kyoung Kim, Ju Sang Kim, Yong Hyun Kim, Jin Woo Kim, Seung Joon Kim, Sang Haak Lee, Hye Seon Kang

Quantitative analysis of preoperative, intraoperative and postoperative circulating cell-free DNA in patients with resectable non-small cell lung cancer

Stylianios Gaitanakis (Nikaia, Greece), Anna Papadopoulou, Eleni Kokkotou, Timothy Sakellaris, Periklis Tomos, Lamprini Stournara, Maria Mani, Eleutheria Ntalakou, Andriani Charpidou, Dimitra Grapsa

Circulating tumor cells in patients with lung cancer universally indicate poor prognosis

Fukang Jin (Mannheim, Germany), Lei Zhu, Jingbo Shao, Mina Yakoub, Lukas Schmitt, Christoph Reißfelder, Sonja Loges, Axel Benner, Sebastian Schölch

Significance of the Lung Immune Prognostic Index for Assessment of the Reliability of the Clinical Treatment Outcome for Advanced Non-Small-Cell Lung Cancer in Patients with COVID-19 Infection

Kristina Krpina (Strmec Samoborski, Croatia), Ena Tolić, Dora Darapi, Ana Hećimović, Dina Mihelčić Korte, Miroslav Samaržija, Lara Batičić

CD8+ T cell trajectory subtypes determine clinical outcome and therapy response in LUAD

Benteng Deng (München, Germany), Jianlong Jia, Lingru Kang, Lilith Trassl, Daniela Dietel, Dmytro Sirokha, Andrea Schamberger, Asma Snkar, Georgios Stathopoulos, Isis Fernandez

Extracellular vesicles derived from central nervous system suppresses antitumor immunity

Jiaoli Wang (Hangzhou (Zhejiang), China), Man Luo, Li-Min Wang, Zhi-Jian Cai

The long-term outcome of epidermal growth factor receptor mutation in stage IV lung adenocarcinoma patients.

Chung-Jen Huang (New Taipei city, Taiwan), Justin Chen, An-Chen Feng, Cynthia Lin

Prognostic implication of KRAS G12C mutation in a real-world KRAS mutated stage IV NSCLC cohort treated with immunotherapy in the Netherlands

Anneloes L. Noordhof (Leeuwarden, Netherlands), Esther M. Swart, Ronald A.M. Damhuis, Lizza E.L. Hendriks, Peter W.A. Kunst, Mieke J. Aarts, Wouter H. Van Geffen

Exploration of anticancer drug response prediction model using patient derived organoids with ALK-positive lung cancer

Hyeong Jun Cho (Seoul, Republic of Korea), Sang-Yun Lee, Dong Woo Lee, Seung Joon Kim, Chang Dong Yeo

Smoking status at time of diagnosis affects the efficacy of anti-PD-1/L1 therapy in patients with advanced non-small cell lung cancer

Kim Kyu Yean (Seoul, Republic of Korea), Kim Jin Woo, Yeo Chang Dong

PD-L1 expression on NSCLC lung tumors is affected by the presence of COPD.

Martina Maria Ferrara (Padova, Italy), Mariaenrica Tine, Umberto Semenzato, Giulia Frasson, Davide Biondini, Marco Damin, Federica Pezzuto, Fiorella Calabrese, Simonetta Baraldo, Manuel G. Cosio, Marina Saetta

Evaluation of adverse events of tremelimumab, a recently FDA-approved anti-CTLA-4 antibody for non-small cell lung cancer

Jing Huang (Chong qing, China), Yibei Zhao, Long Meng

Possible Risk Factors for Immune Related Pneumonitis Relapses

Lidia Mendez Mangas (Sant Joan Despi, Spain), Alfredo Marin Muñoz, Isabel Brao Perez, Monica Arellano Vengochea, Arturo Navarro Martin, Miriam Nuñez Fernandez, Ramon Palmero Sanchez, Ernest Nadal Alforja, Salud Santos Perez, Susana Padrones Sanchez, Samantha Aso Gonzalez

Clinical risk factors for checkpoint pneumonitis vs. other pneumonitis in lung cancer patients treated with checkpoint inhibitors

Lukas Wehlte (München, Germany), Lea Daisenberger, Julia Walter, Lucie Heinzerling, Thomas Pfluger, Amanda Tufman

Exploiting the kynurenine pathway to combat platinum-resistant non-small cell lung cancer (NSCLC)

Medhi Wangpaichitr (Miami, United States), Chunjing Wu, George Theodore, Sydney Spector, Dan Nguyen, Lynn Feun, Niramol Savaraj

Study of the efficacy of intravenous BCG in a metastatic lung adenocarcinoma mouse model.

Claudia Guerrero (Zaragoza, Spain), Eduardo Moreo, Santiago Uranga, Ana Belen Gomez, Carlos Martín, Nacho Aguiló

Comparing the Effectiveness of Different Anti-angiogenetic Agents Combined with an EGFR-TKI in Metastatic Lung Adenocarcinoma

Chung-Wen Huang (Kaohsiung, Taiwan), Chih-Jen Yang, Ming-Ju Tsai, Jen-Yu Hung, Inn-Wen Chong

PS-17 in poster area

Session

16:00 - 17:30

Poster session: Sarcoidosis: challenges in disease assessment and management of complications

Disease(s) : Interstitial lung diseases Airway diseases Sleep and breathing disorders

Method(s) : Imaging General respiratory patient care Epidemiology Pulmonary function testing Physiology Pulmonary rehabilitation Public health

Chairs : Paolo Spagnolo (Padova (PD), Italy)

Long-term effectiveness of infliximab treatment in refractory sarcoidosis

Angéla Mikáczó (Nyírábrány, Hungary), Ildikó Horváth, László Brugós, Anna Sárközi

Lung Texture Analysis to phenotype Sarcoidosis

Andrew McCorkell (Belfast, United Kingdom), Cormac Mccool, Victoria Steele, Lisa Graham, Rory Kelly, Eoin Murtagh, Paul Minnis

Survival in sarcoidosis – 11 years of observation of 2625 patients.

Piotr Boros (Warszawa, Poland), Magdalena Martusewicz-Boros

Cardiac and brain involvement in Sarcoidosis, Data from the Austrian registry

Claudia Guttman-Ducke (Wien, Austria), Christopher Milacek, Andreea-Nicoleta Avram, Dietrich Beitzke, Daniela Gompelmann, Marco Idzko

SARCOIDOSIS AND EMERGENCY HOSPITALIZATION : CAUSES AND PROGNOSIS

pierre gazengel (Bobigny, France), Florence Jeny, Sharon Mendes, Raphael Hindre, Julien Caliez, Olivia Freynet, Cecile Rotenberg, Morgane Didier, Frederic Adnet, Robin Dhote, Yves Cohen, Yurdagul Uzunhan, Diane Bouvry, Hilario Nunes

Pulmonary rehabilitation in sarcoidosis: a systematic review and meta-analysis

Estrella Caballeria Lamelas (Badalona (Barcelona), Spain), Xavier Alsina Restoy, Rodrigo Torres Castro, Elena Gimeno Santos, Lilian Solis Navarro, Joel Francesqui, Fernanda Hernández González, Manel Ramos Casals, Isabel Blanco, Jacobo Sellarès

Severe sarcoidosis: Management and prognosis

Rihab Jebali (Tunis, Tunisia), Soumaya Ben Saad, Amani Ben Mansour, Azza Slim, Hafaoua Dagfous, Fatma Tritar

Monitoring thoracic sarcoidosis with cardiopulmonary exercise test and spirometry, their insights to nuclear imaging inflammatory activity

Chiara Torregiani (Trieste (TS), Italy), Matia Reale, Marco Confalonieri, Barbara Ruaro, Guido Maiello

Characteristics of sarcoidosis patients admitted to hospital – one center experience

Karol Bączek (Łódź, Poland), Joanna Miłkowska-Dymanowska, Wojciech Piotrowski

Therapeutic doses of efzofitimod significantly improve multiple pulmonary sarcoidosis efficacy measures

Nelson Kinnersley (Harpenden, United Kingdom), Abhijeeth Chandrasekaran, Pavithra Ramesh, Vis Niranjana, Sanjay Shukla, Robert P Baughman

Multicenter, randomized, double-blind, phase 2 study to assess the efficacy and safety of OATD-01, an oral inhibitor of chitinase-1 for the treatment of active pulmonary sarcoidosis.

Zbigniew Zasłona (Warszawa, Poland), Theodore Charitos, Barbara Dymek, Tomasz Rejczak, Adam Gołebiowski, Piotr Iwanowski, Marta Dudek, Samson Fung

Prevalence of refractory pulmonary sarcoidosis in Ukraine

Ievgeniia Merenkova (Kyiv, Ukraine), Volodymyr Gavrysyuk, Yaroslav Dziublyk, Galyna Gumeniuk

Evaluation of bone mineral density and fracture risk in sarcoidosis population

Paolo Cameli (Siena (SI), Italy), Carla Caffarelli, Antonella Al Refaie, Elisa Giglio, Giulio Manzana, Caterina Mondillo, Yari Noacco, Carmela Olivieri, Laura Bergantini, Miriana D'Alessandro, Elena Bargagli, Stefano Gonnelli

Prevalence and evolution of airway obstruction in sarcoidosis

Lara Letizia Latini (Ancona, Italy), Federica Agosti, Federico Mei, Lina Zuccatosta, Francesco Maria Porcarelli, Francesca Gonnelli, Martina Bonifazi

Clinical characterisation of thoracic sarcoidosis in Spain

Joel Francesqui (Barcelona, Spain), Elena Bollo, Ana Villar, Pablo Flórez, Eva Balcells, Gema Castaño, Javier Pinillos, Raul Godoy, Belén López-Muñiz, María José Soler, Diego M. Castillo, Albert Rafecas, Pablo Mariscal, Paloma Millan, Karina Portillo, Jacobo Sellares

Sarcoidosis and Obstructive Sleep Apnoea: CPAP's impact on daytime sleepiness and fatigue

Lorena Gallotti (Naples, Italy), Jessica Esposito, Stefania De Marco, Lucia Abbagnale, Marta Coppola, Claudio Candia, Anna Agnese Stanziola

Prevalence of cardiac involvement in a cohort of patients with Sarcoidosis

Lorena Gallotti (Naples, Italy), Claudio Candia, Francesco Coppa, Santo Dellegrottaglie, Anna Agnese Stanziola

Clinical and radiological presentation of patients treated for sarcoidosis

Nicol Bernardinello (Trecenta (RO), Italy), Simone Petrarulo, India Sofia Dalla Rosa, Gioele Castelli, Elisabetta Cocconcelli, Elisabetta Balestro, Paolo Spagnolo

Prevalence of comorbidities in patients with sarcoidosis: a single center study

Lorena Gallotti (Naples, Italy), Claudio Candia, Filomena Tafuro, Ciro Apicella, Ferdinando Damato, Anna Agnese Stanziola

Serum D-dimer levels as an activity marker in sarcoidosis

Halil Yanardag (Istanbul, Turkey), Muammer Bilir, Cuneyt Tetikkurt, Emre Yanardag

PS-12 in poster area**Session****16:00 - 17:30****Poster session: Paediatric bronchology: new insights****Disease(s) :** Airway diseases Thoracic oncology**Method(s) :** Endoscopy and interventional pulmonology General respiratory patient care Public health Pulmonary function testing Imaging Pulmonary rehabilitation Cell and molecular biology Epidemiology**Chairs :** Dirk Schramm (Düsseldorf, Germany), Laura Petrarca (Roma (RM), Italy)**Patients previously treated for childhood interstitial lung disease display an increased prevalence of cognitive deficits, depression and anxiety.**

Astrid Madsen Ring (Gentofte, Denmark), Martin Vestergaard, Ida Strøier Bøge, Frederik Fourinaies Buchvald, Kim Gjerum Nielsen

Causes of stridor in children - the ten-year experience of a tertiary center

Bojana Gojsina (Belgrade, Republic of Serbia), Milan Rodic, Jelena Visekruna, Mihail Basa, Aleksandar Sovtic

Subglottic stenosis in children – etiology and treatment

Bojana Gojsina (Belgrade, Republic of Serbia), Milan Rodic, Jelena Visekruna, Mihail Basa, Aleksandar Sovtic

Bronchoalveolar lavage findings in children with chronic unexplained cough

Ivan Pavic (Zagreb, Croatia), Manuela Radić, Roberta Šarkanji Golub, Draženka Ezgeta Karačić, Iva Hojsak

Role of impedance study in paediatric recurrent respiratory symptoms

Kushalini Hillson (London, United Kingdom), Surendran Thavagnanam, Chinedu Nwokoro, Sarah Brown, Abigail Whitehouse, Caroline Pao, Muna Dahabreh

Pneumothorax in childhood: A retrospective single center study

Merve Aka (Ankara, Turkey), Merve Kasikci, Halime Nayır Buyuksahin, Dilber Ademhan Tural, Nagehan Emiralioglu, Ebru Yalcin, Deniz Dogru, Ugur Ozcelik, Nural Kiper

Alpha-1 antitrypsin deficiency (AATD)

Michele Ghezzi (Bergamo, Italy), Alice Romero, Stefania Roncaglia, Sara L'Assainato, Enza D'Auria, Gian Vincenzo Zuccotti

Association between lung ultrasound findings, pulmonary function tests and chest radiography in children with cystic fibrosis

Didem Alboğa (Altındağ, Turkey), Nagehan Emiralioglu, Berna Oğuz, Halime Nayır Büyüksahin, Ismail Güzelkaş, Birce Sunman, Meltem Akgül Erdal, Ebru Yalçın, Deniz Doğru, Uğur Özçelik, Nural Kiper

Complications of tracheobronchial foreign body aspiration in children

Diana Rotaru-Cojocari (Chişinău, Republic of Moldova), Victor Rascov, Iurie Simionica, Eva Gudumac, Svetlana Sciuca

Neutrophil lymphocyte ratio, mean platelet volume, and immunoreactive trypsinogen as early inflammatory biomarkers for cystic fibrosis in infancy: A retrospective cohort study

Tuğba Şişmanlar Eyuboglu (Ankara, Turkey), Ayşe Tana Aslan, Pelin Asfuroğlu, Nursima Kunt, Ali Ersoy, Mehmet Kose, Gökçen Ünal, Sevgi Pekcan

Evaluation of the efficacy of inhaled bronchodilators in infants with bronchiolitis through respiratory function testing: a pilot study

Laura Petrarca (Roma (RM), Italy), Raffaella Nenna, Maria Giulia Conti, Domenico Paolo La Regina, Enrica Mancino, Elio Iovine, Antonella Frassanito, Fabio Midulla

Mucoepidermoid Tumour of bronchus: Case report of a rare airway tumour & role of Interventional Pulmonology in management

Shubham Sharma (Jaipur (Rajasthan), India), Apar Jindal

Management of neurotypical children with recurrent aspiration

Priyanka Patel (Pinner, United Kingdom), Christine Lim, Simone Hadjisymeou-Andreou, Lauren Harwood, Samatha Sonnappa

Evaluation of Children with Stridor by Flexible Bronchoscopy

Mukaddes Agirtici (Ankara, Turkey), Gizem Özcan, Fazılcan Zirek, Mervener Tekin, Secahattin Bayav, Nazan Çobanoğlu

Alexithymia in primary ciliary dyskinesia

Sevgi Pekcan (Konya, Turkey), Hanife Tugçe Çağlar, Fatih Ercan, Aslı Turkut, Gökçen Ünal

Late Breaking Abstract - Are breath-actuated inhalers effective in managing acute asthma exacerbations in children?

Sowmya Nagarajan (Bangalore (Karnataka), India), Vaishali Naik, Meena Lopez, Jaideep Gogtay

Late Breaking Abstract - Metabolic Genealogy of Allergic Diseases in Childhood

Xiaolong Deng (Guangzhou, China), Yuanqi Wang, Cuilian Mo, Zhihui He, Baoqing Sun, Jiaying Luo

Late Breaking Abstract - RSV Prophylaxis for 29-34 Gestational Preemies: Lessons from an Israeli National Multi-center Off-seasonal Study

Keren Armoni Domany (Tel-Aviv, Israel), Avigdor Mandelberg, Inbal Tripto Golan, Nitzan Burrack, Kamal Masarweh, Mika Rochman, Moria Beer, Dario Prais, Moran Weinberger, Elias Nasrallah, Orli Megged, Rachel Shatzman Steuerma, Michal Stein, Zohar Steinberg, Shereen Shehadeh, Diana Tasher

Late Breaking Abstract - Burden of allergic rhinitis in children in the UK and Canada: A cross-sectional study

Mercedes Romano Rodriguez (Hørsholm, Denmark), Anne Sofie Ledgaard Loftager, Simone Dupont Bengtsson, Mette Bøgelund, Mark Aagren, Jose Maia E Costa, Elana Lavine

Late Breaking Abstract - Siblings as a risk factor to guide RSV prophylaxis in Korean infants

Ian Keary (Reading, United Kingdom), Ji-Man Kang, Xavier Carbonell-Estrany, Barry Rodgers-Gray, John Fullarton, Bosco Paes

PS-1 in poster area**Session****16:00 - 17:30****Poster session: Digital health interventions for chronic obstructive pulmonary disease and asthma****Disease(s) :** **Airway diseases****Method(s) :** Epidemiology Public health General respiratory patient care Physiology Pulmonary function testing Imaging Palliative care Pulmonary rehabilitation**Chairs :** Io Hui (Edinburgh (Edinburgh), United Kingdom), Holger Woehrle (Ulm, Germany)**Digital platforms may enhance asthma outcomes when integrated with virtual care**

Leanne Kaye (San Diego, United States), Vy Vuong, Urvasi Patel, Douglas Mager, Meredith Barrett

Development of a registry to assess adherence and digital inhaler utilization in real-world patients with asthma (AURORA): a modified Delphi study

Mechteld Wiertz (Zwolle, Netherlands), Amber Eikholt, Anneke Ten Brinke, Els Weersink, Huib Kerstjens, Irene Van Weerd, Johannes In 'T Veen, Kornelis Patberg, Martijn Goosens, Niels Chavannes, Sandra Been-Buck, Titia Klemmeier, Job Van Boven

Digital inhaler preferences of asthma patients and healthcare providers: a discrete choice experiment

Amber Eikholt (Zwolle, Netherlands), Job Van Boven, Tunn Ren Tay, Joy Lee, Mark Hew, Asia N Rashed, Christina Baggott, Sukeshi Makhecha, Louise Fleming, Richard Costello, Amy Chan

Descriptive analysis of conversational agent usage characteristics in an asthma app

Selahattin Çolakoglu (Hertfordshire, United Kingdom), Anıl Başpınar, Aslı Yıldız, Mustafa Durmuş

Electronic peak flow in asthma – usefulness in pregnant and non-pregnant patients

Dorothy Ryan (Dublin 3, Ireland), Deirdre Long, Finbarr Harnedy, Rebecca Borton, Richard W. Costello

Accelerating asthma diagnosis and treatment optimisation through a technology enabled home assessment program

Megan Robshaw (Gloucester, United Kingdom), Helen Parrott, Emma Raywood, Dandi Qiao, Eric Harker

Addressing asthma management gaps with a respiratory digital ecosystem: A preliminary analysis

Christopher Licskai (London (ON), Canada), Joseph Cafazzo, Madonna Ferrone, Denise Ng, Anna Hussey, Quynh Pham, Cailey Ranot, Paul Mastoridis, Shumit Saha, Karen Mezzi

Evaluation of current self-management strategies in iOS and Android mobile applications on patients with asthma

Natsumi Nomura (Urayasu, Chiba, Japan), Jun Ueki, Emika Sano, Megumi Ikeda, Norihiro Harada, Hiroo Wada

Asthma-related goals to motivate adherence

Ayana Martins (Pfäffikon SZ, Switzerland), Giuseppe Ranieri

Effectiveness of mobile-based rehabilitation in COPD patients: feasibility study from rural Rajasthan

Neeti Rustagi (Jodhpur, India), Naveen Dutt, Suseendar S, Navratan Suthar

Quality and compliance to home-based spirometry in COPD patients

Malik A Althobiani (London, United Kingdom), Yatharth Ranjan, Joseph Jacob, Michele Orini, Richard Dobson, Joanna C Porter, John R Hurst, Amos A Folarin

Feasibility of wearable smart shirt technology for daily life physiology and symptom assessment in COPD

Hayley Lewthwaite (Merewether, Australia), Gennaro D'Elia, Sarah Johnson, Peter Gibson, Troy Cross, Vanessa Mcdonald

A digital mindfulness-based intervention for COPD patients: a pilot study investigating the effects on psychological distress and stress

Florian Vafai-Tabrizi (Wien, Austria), Hannah Tschenett, Georg-Christian Funk, Urs Markus Nater

Telemonitoring and telerehabilitation in severe COPD patients awaiting lung transplant: a descriptive study

André Filipe Santos Nunes (Ponta Delgada, Portugal), Marta Santos, Cláudia Costa, Joana Barbosa, Cristina Santos, Fátima Rodrigues, Cristina Bárbara

Impact of symptoms and disease severity on digital mobility outcomes in COPD

Dimitrios Megaritis (Newcastle upon Tyne, United Kingdom), Joren Buekers, Tecla Bonci, Emily Hume, Lisa Alcock, Alison Yarnall, Encarna Mico Amigo, Philip Brown, Christopher Buckley, Silvia Del Din, Carlos Echevarria, Claudia Mazzà, Lynn Rochester, Judith Garcia-Aymerich, Ioannis Vogiatzis

Telemonitoring of Symptoms and Lung Function in COPD for Early Detection of Exacerbations

Mustafa Abdo (Grosshansdorf, Germany), Anne Kirsten, Hans Klose, Tim Oqueka, Barbara Karlsdorf, Erwin Junker, Daniel Drömann, Thomas Bahmer, Klaus.F Rabe, Henrik Watz

Change in COPD Assessment Test (CAT) score from a stable baseline has a high predictive capability for acute exacerbations

Henry Glyde (Bristol, United Kingdom), Alison M. Blythin, Tom M. Wilkinson, Ian T. Nabney, James W. Dodd

From high-resolution time series to a single, clinically-interpretable value - considerations for the aggregation of real world walking speed assessed by wearable sensors in patients with chronic obstructive pulmonary disease (COPD)

Sarah Koch (Vancouver, Canada), Joren Buekers, Inés Cobo, Jorge Lemos, José Marchena, Tecla Bonci, Brian Caulfield, Silvia Del Din, Heleen Demeyer, Anja Frei, Jeff M. Hausdorff, Anisoara Ionescu, Kamiar Aminian, Jochen Klenk, Enarna Mico Amigo, Paolo Piraino, David Singleton, Oleksandr Sverdllov, Lynn Rochester, Thierry Throosters, Judith Garcia-Aymerich

Quantification of smoking-related airway remodelling in COPD, using a novel fast-response capnometer

Rui Hen Lim (Cambridge, United Kingdom), Laura Wiffen, Henry Broomfield, Daniel Neville, Leeran Talker, Ahmed Selim, Julian C Carter, Scott T Weiss, Gabriel Lambert, Gail Hayward, Thomas Brown, Vijaykumar Elango, Anoop Chauhan, Ameera X Patel

Telemonitoring of patients with COPD: impact beyond hospital admissions

Élin Almeida (Guarda, Portugal), Filipa Jesus, Joana Ribeiro, José Manuel Silva, Luís Ferreira

PS-6 in poster area

Session

16:00 - 17:30

Poster session: Real-life studies in asthma: all the way to clinical remission

Disease(s) : **Airway diseases** Pulmonary vascular diseases

Method(s) : General respiratory patient care Pulmonary function testing Physiology Public health Epidemiology

Chairs : Celeste Michala Porsbjerg (Copenhagen, Denmark), Andrea Portacci (Taranto, Italy)

Treatment Patterns of Patients Who Initiate Biologics for Severe Asthma Across USA, Japan, & Europe

Joshua Harvey (Upper Providence, United States), Samantha N Valliant, Shiyuan Zhang, George Mu, Kelechi Emeanuru, Karina Brunini Pitta Palhares, Marine Andre, Takeo Ishii, Takeo Suzuki, Hideaki Kunishige, Rafael Alfonso-Cristancho

Clinical remission following biologic initiation in severe asthma: results of the International Severe Asthma Registry (ISAR)

Tham T. Le (Clarksburg, United States), Ghislaine Scelo, Trung N. Tran, Malin Fagerås, Neil Martin, Andrew N. Menzies-Gow, Wang Eileen, Michael Wechsler, Giorgio Walter Canonica, Enrico Heffler, Liam G. Heaney, David J. Jackson, Paul E Pfeffer, John Busby, Celeste M. Porsbjerg, Mark Hew, Matthew Peters, Peter G. Gibson, Mona Al-Ahmad, Celine Bergeron, Mohsen Sadatsafavi, Luis Perez-De-Llano, Borja G Cosio, Piotr Kuna, Diahn-Warng Perng, Takashi Iwanaga, Carlos A. Torres-Duque, Désirée Larenas-Linnemann, Bassam Mahboub, Riyadh Al-Lehebi, João A. Fonseca, Chin Kook Rhee, Jorge Máspero, Mariko Koh Siyue, George C Christoff, Todor A. Popov, Justin Kwiatek, Victoria Carter, Celine Goh, Lakmini Bulathsinhala, Aaron Beastall, David Price

Characteristics associated with clinical remission in patients with severe asthma who initiate biologics

Luis Pérez De Llano (Lugo, Spain), Ghislaine Scelo, Trung N Tran, Tham T. Le, Neil Martin, Malin Fagerås, Andrew N. Menzies-Gow, Eileen Wang, Michael E. Wechsler, Giorgio Walter Canonica, Enrico Heffler, Liam G. Heaney, David J. Jackson, Paul E. Pfeffer, John Busby, Celeste M. Porsbjerg, Mark Hew, Matthew Peters, Peter G. Gibson, Mona Al-Ahmad, Celine Bergeron, Mohsen Sadatsafavi, Borja G. Cosio, Piotr Kuna, Diahn-Warng Perng, Takashi Iwanaga, Carlos A. Torres-Duque, Désirée Larenas-Linnemann, Bassam Mahboub, Nikolaos G. Papadopoulos, Riyadh Al-Lehebi, João A. Fonseca, Chin Kook Rhee, Jorge Máspero, Mariko Siyue Koh, George C. Christoff, Todor A. Popov, Justin Kwiatek, Victoria Carter, Celine Goh, Lakmini Bulathsinhala, Aaron Beastall, David Price

Asthma medication use in New Zealand following publication of national asthma guidelines

Lee Hatter (Wellington, New Zealand), Allie Eathorne, Pepa Bruce, Tom Hills, Claire Houghton, Mark Weatherall, Richard Beasley

Real world biologic treatment response in severe asthma: an analysis of the International Severe Asthma Registry (ISAR)

Tham T. Le (Clarksburg, United States), Ghislaine Scelo, Trung N. Tran, Malin Faregås, Neil Martin, Andrew N. Menzies-Gow, Wang Eileen, Michael Wechsler, Giorgio Walter Canonica, Enrico Heffler, Liam G. Heaney, David J. Jackson, Paul E. Pfeffer, John Busby, Celeste M. Porsbjerg, Mark Hew, Matthew Peters, Peter G. Gibson, Mona Al-Ahmad, Celine Bergeron, Mohsen Sadatsafavi, Luis Perez-De-Llano, Borja G. Cosio, Piotr Kuna, Diahn-Warng Perng, Takashi Iwanaga, Carlos A. Torres-Duque, Désirée Larenas-Linnemann, Bassam Mahboub, Nikolaos G. Papadopoulos, Riyad Al-Lehebi, João A. Fonseca, Chin Kook Rhee, Jorge Máspero, Mariko Koh Siyue, George C. Christoff, Todor A. Popov, Justin Kwiatek, Victoria Carter, Celine Goh, Lakmini Bulathsinhala, Aaron Beastall, David Price

Patients' knowledge, perspectives and attitudes towards treatment goals and clinical remission in severe asthma

Shiyuan Zhang (Collegeville, United States), Alejandro Raimondi, Olivia Fulton, Vanessa M McDonald, Ratko Djukanovic, Matthew Masoli, Peter Howarth, Waseem Ahmed, Tom Keeley, Josh Barazetti-Scott, Rafael Alfonso

Long-term weight changes after starting anti-interleukin-5/5Ra biologics in severe asthma

Lianne ten Have (Leeuwarden, Netherlands), Edith Visser, Jacob K. Sont, Kim De Jong, Johannes A. Kroes, Anneke Ten Brinke

Real-world associations between outcomes and biomarkers in severe asthma patients treated with biologics

John Townend (Norwich, United Kingdom), Trung N Tran, Neil Martin, Andrew N. Menzies-Gow, Eileen Wang, Michael E. Wechsler, Giorgio Walter Canonica, Enrico Heffler, Luis Perez-De-Llano, Borja G. Cosio, Mark Hew, Matthew Peters, Peter G. Gibson, Synthia Bosnic-Anticevich, Liam G. Heaney, David J. Jackson, Paul E. Pfeffer, John Busby, Sundeep Salvi, George C. Christoff, Todor A. Popov, Celeste M. Porsbjerg, Carlos A. Torres-Duque, Riyad Al-Lehebi, Mona Al-Ahmad, Diahn-Warng Perng, Celine Bergeron, Mohsen Sadatsafavi, Bassam Mahboub, Takashi Iwanaga, Jorge Maspero, Piotr Kuna, Kook Rhee Chin, Désirée Larenas-Linnemann, Nikolaos G. Papadopoulos, Andriana I. Papaioannou, João A. Fonseca, Mariko Siyue Koh, Richard W. Costello, David Price

Efficacy of benralizumab and mepolizumab in treating severe eosinophilic asthma: A one-year study on clinical remission and response

Anna Núñez (Barcelona, Spain), Maria Basagaña, Toni Zapata, Alan Junior Solis, Borja Domingo, Ignasi Garcia Olivé, Clara Padró, Albert Roger, Jorge Abad, Antoni Rosell, Carlos Martínez Rivera

An evaluation of factors associated with asthma remission for individuals on biologic therapy

Sarah Rhoads (Denver, United States), Michael Wechsler

Real-world experience of mepolizumab in severe eosinophilic asthma – five-year outcomes

Amy Nuttall (Liverpool, United Kingdom), Fred Fyles, Hannah Joplin, Hassan Burhan, Laura Watkins

Real-world patient-level cost-effectiveness analysis of omalizumab in patients with severe allergic asthma

Ipek Kılıncım Oğuzülgen (Ankara, Turkey), Deniz Tugay, Mehmet Top, Ömür Aydın, Sevim Bavbek, Ebru Damadoğlu, Ferda Öner Erkeköl, İlkay Koca Kalkan, A. Fuat Kalyoncu, Gül Karakaya, Haluk Türktaş, Ivo Abraham

Real-life data of ten years with omalizumab treatment

Gökçen Ömeroğlu Şimşek (Izmir, Turkey), Damla Gündüz Karayazı, Can Sevinç

Early response to benralizumab in severe, eosinophilic asthma: a real-world study in Switzerland

Claudio Schuoler (Zug, Switzerland), Peter Van Iperen, Daiana Stolz, Florian Charbonnier, Pierre-Olivier Bridevaux, Peter Jandus, René Fiechter, Jörg D. Leuppi, Thomas Hauser, Nikolay Pavlov, Thomas Scherer, Michael Huber, Andrea Azzola, Andreas Pieczyk, Thomas Rothe

Attitudes and experiences of patients and healthcare practitioners towards asthma medication prescription and adherence in the UK

Xiubin Zhang (London, United Kingdom), Erin Tomaszewski, Mina Khezrian, Tim Harrison, Jennifer K Quint

Multicentric real life experience of mepolizumab in bronchiectasis concomitant to severe asthma.

Juan Luis García Rivero (Argoños (Cantabria), Spain), David Bañas Conejero

Clinical remission (CR) in a real-world study to evaluate mepolizumab effectiveness in treating severe eosinophilic asthma (SEA) in Taiwan (REMIT)

Aldo Navarro (, Peru), Xiaomeng Xu, Shiyuan Zhang, Diahn-Warng Perng, Shih-Lung Cheng, Rafael Alfonso, Dominique Milea

Multi-country self-controlled study of exacerbation rates in severe asthma patients treated with mepolizumab: NEST interim analysis

Sevim Bavbek (Ankara, Turkey), Patricia Fernandez, Bassam Mahboub, Riyad Omar Al-Lehebi, Venkata Nagarjuna Maturu, Diana Jimena Cano Rosales, Claudia Soares, Debora Dos Santos, Gabriela Abreu, Patricia Menezes, Ronan Valladares, Juliana Queiroz, Alejandro Raimondi, Fayaz Aziz, Maria Laucho-Contreras, Emilio Pizzichini, Saeed Noibi

Benralizumab effectiveness in severe eosinophilic asthma and co-presence of bronchiectasis: a “real-world” retrospective study.

Raffaele Campisi (Portopalo (SR), Italy), Santi Nolasco, Pietro Impellizzeri, Maria D'Amato, Corrado Pelaia, Andrea Portacci, Luisa Ricciardi, Giulia Scioscia, Nunzio Crimi, Girolamo Pelaia, Giovanna Elisiana Carpagnano, Claudia Crimi

Real-life oral corticosteroid sparing effects of biologic treatment on eosinophilic asthma, five years of follow-up

Soran Peshbahar (Risskov, Denmark), Anne Sofie Bjerrum

PS-4 in poster area**Session****16:00 - 17:30****Poster session: Cutting-edge approaches to model and treat lung disease**

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Cell and molecular biology

Chairs : Mareike Lehmann (Marburg, Germany), Thomas Wilkinson (Southampton (Hampshire), United Kingdom)

Recapitulating morphological and functional characteristics of distal airways in tubular organoids to model chronic obstructive diseases

Isabelle Dupin (Bordeaux, France), Elise Maurat, Katharina Raasch, Pauline Henrot, Maeva Zysman, Matthieu Thumerel, Laetitia Andrique, Patrick Berger, Pierre Nassoy, Gaëlle Recher

Development of a huPCLS platform to explore IL-33 biology and test novel therapies

Josquin Nys (Cambridge (Cambridgeshire), United Kingdom), Katherine Stephenson, Aoife Kelly, Claire Hollins, Sofia Koch, Tina Baker, Yoichiro Ohne, Jingjing Li, Xavier Romero Ros, Suzanne Cohen

MicroRNA transfection of 3D lung tissue model is possible

Joanna Nowakowska (Poznań, Poland), Wojciech Langwiński, Iran Augusto Neves Silva, Nika Gvazava, Aleksandra Szczepankiewicz, Darcy E Wagner

Single-cell RNA sequencing reveals defective bronchial epithelial cell differentiation in patients with severe COPD in 3-dimensional organoid cultures

Kingsley Okechukwu Nwozor (Vancouver, Canada), Tillie-Louise Hackett, Chen Xi Yang, Aurore C. A. Gay, Jelmer Vlasma, Martin Banchero, Marissa Wisman, Mubeen Khan, Djoke V. Gosliga, Tessa Kole, Dirk-Jan Slebos, Karin Klooster, Maarten V. D. Berge, Martijn C. Nawijn, Corry-Anke Brandsma, Irene H. Heijink

Rat-to-human translation of an antigen-specific, CD4+ T-cell-induced model of airway myocyte hyperplastic remodeling

Eder Fredy Mateus Medina (Barcelona, Spain), Nadia S. Brienza, Santiago Sánchez-Cabús, Vicente Plaza, David Ramos Barbon

Patient-derived preclinical in vitro platforms to assist therapeutic intervention

Giulia Raggi (Bern, Switzerland), Nuria Roldan, Mirjam Kiener, Arunima Sengupta, Lea De Maddalena, Laurène Froment, Marta De Menna, Janick D. Stucki, Marianna Kruithof-De Julio, Nina Hobi

Tridimensional microscopy unravels distal architecture of IPF

Youri Bertrand (Woluwe Saint-Pierre, Belgium), Thomas Planté-Bordeneuve, Marylène Lecocq, Caroline Bouzin, Charles Pilette, Antoine Froidure

Additional effects of oral prednisolone following mepolizumab on the nasal transcriptome

Imran Howell (Oxford, United Kingdom), Freda Yang, Jennifer Cane, John Busby, Liam G Heaney, Peter Howarth, Ian D Pavord, Chris E Brightling, Timothy Sc Hinks, Rekha Chaudhuri

Development of a Xenopus-based assay for high-throughput evaluation of mucociliary flow

Maria Chatzifrangkeskou (Nicosia, Cyprus), Ioanna Antoniadis, Andria Koulle, Panayiotis Kouis, Timothea Konstantinou, Panayiotis K Yiallourous, Paris Skourides

Development of a high throughput primary human fibroblast-to-myofibroblast transition assay

Elisabeth Bäck (Molndal, Sweden), Mei Ding, Johan Jirholt, Jessica Reijer, Stefan Tångefjord

Establishing the Conditionally Reprogrammed Cell Technology for precision medicine in PCD

Ruth Maria Urbantat (Berlin, Germany), Anita Balázs, Marika Drescher, Kathrin Seidel, Alexander Rohrbach, Maria Daniltschenko, Aditi Kuppe, Tihomir Rubil, Simon Gräber, Julia Dürr, Stephanie Thee, Mehrak Yoosefi, Jobst Röhm, Marcus A. Mall

Proteomic profiling of air-liquid-interface (ALI)-cultured primary ciliary dyskinesia (PCD) nasal epithelia

Katie L Horton (Eastleigh, United Kingdom), Janice L Coles, Claire L Jackson, Alistair Bailey, Paul J Skipp, David W Cleary, Raymond N Allan, Jane S Lucas

PDE4B inhibitor BI1015550 improves lung fibrosis, modulates transcriptome in bleomycin-treated rats, and attenuates fibrotic markers in human lung fibroblasts and epithelial cells

Dennis Reininger (Biberach, Germany), Franziska Elena Herrmann, Peter Nickolaus, Lutz Wollin, Baerbel Laemmle, Karsten Quast, Katrin Fundel-Clemens

IL-6 trans-signaling implicated in bronchial epithelial SERPIN B3/B4 mediated fibrogenesis and epithelial disruption in severe asthma

Chih-Chieh Tseng (Taipei City, Taiwan), Chun-Liang Chou, Han-Pin Kuo

Investigating miRNA regulation of PTEN in Cystic Fibrosis using airway epithelial cells derived from patient specific iPSC

Irene Oglesby (Beaumont, Ireland), Arlene Glasgow, Catherine Greene, Killian Hurley

Early immune development in the human fetal lung

L. Jia (Leiden, Netherlands), Nannan Guo, M. Fernanda Pascutti, Susana M. Chuva De Sousa Lopes, Pieter S. Hiemstra, Jan Stolk, Frits Koning, Padmini P. S. J. Khedoe

PRS-400 Anticalin® proteins targeting Jagged-1 reduce mucus production in preclinical models of muco-obstructive lung disease

Katharina Heinzmann (Hallbergmoos, Germany), Matthias Hagner, Janet Peper-Gabriel, Athanasios Fysikopoulos, Thomas Jaquin, Diana Jaquin, Eva-Maria Hansbauer, Rachida Siham Bel Aiba, Mary Fitzgerald, Shane A. Olwill, Gabriele Matschiner

Characterisation of airway epithelial cells from survivors of very preterm birth reveal barrier defects at one year of age.

Denby Evans (Nedlands, Australia), Samantha Mclean, Shannon Simpson, Anthony Kicic

Highly selective furin inhibition as a therapeutic approach for chronic obstructive pulmonary disease

Lisa Douglas (Belfast, United Kingdom), James A Reihill, Tatjana Odrlić, S Lorraine Martin

Targeting deubiquitinases for the treatment of COPD

Amy Hendren (Belfast, United Kingdom), James Reihill, Richard Wilkinson, Ian Lobb, Lorraine Martin

PS-3 in poster area**Session****16:00 - 17:30****Poster session: New insights and biomarkers in chronic obstructive pulmonary disease and epithelial disorders****Disease(s) :** Airway diseases Thoracic oncology Interstitial lung diseases**Method(s) :** Cell and molecular biology Epidemiology Pulmonary function testing General respiratory patient care Physiology**Chairs :** Chair to be confirmed**Exercise improves muscle function in COPD by affecting MSTN expression**

Lijiao Zhang (Kunming, China), Jingge Qu, Danyang Li, Yafei Rao, Yongchang Sun

Genetic predisposition for low functional status in COPD

Rui Marçalo (Aveiro, Portugal), Guilherme Rodrigues, Miguel Pinheiro, Sonya Neto, Sofia L. Marques, Paula Simão, Vitória Martins, Lília Andrade, Maria Aurora Mendes, Vera Afreixo, Gabriela Moura, Alda Marques

Clinically blind proteomic clustering is able to identify COPD exacerbations

César Jessé Enriquez-Rodríguez (Barcelona, Spain), Carme Casadevall, Sergi Pascual-Guardia, Diego Rodríguez-Chiaradia, Esther Barreiro, Joaquin Gea

Identification of genes and master regulators driving COPD progression

Sobia Idrees (Sydney, Australia), Prabuddha Pathinayake, Alen Faiz, Peter Wark, Philip Hansbro

D-dimer in COPD out-patients: Distribution, association with mortality and effect modification by anticoagulant therapy. A preplanned, published protocol cohort study.

Peter Kamstrup (Hellerup, Denmark), Pradeesh Sivapalan, Christian Rønn, Ema Rastoder, Daniel Modin, Anna Kjær Kristensen, Elisabeth Bendstrup, Rikke Sørensen, Tor Biering-Sørensen, Charlotte Ulrik, Jørgen Vestbo, Jens-Ulrik S. Jensen

Smoking-dependent association of serum brain-derived neurotrophic factor (BDNF) with the pulmonary function test parameters in COPD

Elina Aleksandrova (Stara Zagora, Bulgaria), Dimo Dimov, Tanya Tacheva, Kahan Celik, Tatyana Vlaykova

Identification of a panel of circulating miRNAs for the detection of COPD

Noemi Cerón Pisa (Palma, Illes Balears, Spain), Amanda Iglesias, Aina Martín-Medina, Meritxell López, Josep Luis Valera, Angel Rios, Rocío Martínez, Aarne Fleischer, Nuria Toledo, Jaume Saulea

Identification of novel Hedgehog signalling modulators altered in COPD patients

Laure M. G. PETIT (Reims, France), Randa Belgacemi, Julien Ancel, Pauline Mulette, Audrey Brisebarre, Myriam Polette, Gaëtan Deslée, Jeanne-Marie Perotin, Valérian Dormoy

Increasing the diagnostic yield in Primary Ciliary Dyskinesia via whole gene sequencing

Lizi Briggs (Chelsea, United Kingdom), Cátia Brandao, Andrew Fleming, Matthew Edwards, Steven Müller, Ellen Quinn, Wilkinson Sam, Andrew Rogers, Ranjit Rai, Thomas Burgoyne, Siobahn Carr, Claire Hogg, Ricardo Jose, Michael Loebinger, Amelia Shoemark, Hannah M Mitchinson, Shibu John, Deborah Morris-Rosendahl

Combined approaches including long-read sequencing address the diagnostic challenge of HYDIN in primary ciliary dyskinesia

Deborah Morris-Rosendahl (London, United Kingdom), Andrew Fleming, Miranda Galey, Lizi Briggs, Claire Hogg, Matthew Edwards, Shibu John, Sam Wilkinson, Ellie Quinn, Ranjit Rai, Tom Burgoyne, Andy Rogers, Mitali Patel, Paul Griffin, Steven Muller, Siobhan Carr, Michael Loebinger, Jane Lucas, Anand Shah, Ricardo Jose, Hannah Mitchison, Amelia Shoemark, Danny Miller

Primary cilium (PC) associated BBSome gene 1, 7 and 9 expression during the 2D and 3D culture of mesothelial cells under oxidative stress.

Rajesh Jagirdar (Larissa, Greece), Erasmia Rouka, Eleanna Pitaraki, Sotiris Sinis, Eleftherios Papazoglou, Ourania Kotsious, Chrissy Hatzoglou, Sotirios Zarogiannis, Konstantinos Gourgouliannis

The utility of RNA and transcriptome analysis in improving diagnostics and understanding disease mechanism in Primary Ciliary Dyskinesia

Jelmer Legebeke (Solna, Sweden), John Holloway, Jane Lucas, Diana Baralle

Variants in CEP164 cause PCD: expanding the spectrum of primary and motile ciliopathy overlap.

Janice Coles (Southampton (Hampshire), United Kingdom), Claire L. Jackson, Laura A. Devlin, James Thompson, N. Simon Thomas, Woolf T. Walker, Ben Green, Miguel Barroso-Gil, Ruxandra Neatu, Colin G. Miles, Gabrielle Wheway, John A. Sayer, Jane S. Lucas

Uncovering unique gene signatures for COPD through integrating human airway datasets

Rashad Mohammad Mahbub (Sydney, Australia), Corry-Anke Brandsma, Maarten Van Den Berge, Alen Faiz

A new method to estimate human bronchial epithelial cells ciliary beat frequency

Stefano Palea (Labege, France), Sekou Diarra, Alain Kamgoué

Late Breaking Abstract - Knocking-down FAM13A during lung epithelial differentiation alters the development of cilia

Linda Yrlid (Gothenburg, Sweden), Jenny Horndahl, Rebecka Svärd, Lynda Hogström, Russel Hamilton, Ilaria Furlan, Fredrik Karlsson, Linda Sundström, Felix Gnerlich, Stefan Vollmer

Late Breaking Abstract - P-cresol sulfate acts on epithelial cells to reduce allergic airway inflammation

Rhiannon Grant (Melbourne, Australia), Matthew Macowan, Carmel Daunt, Olaf Perdijk, Benjamin Marsland

Late Breaking Abstract - Thromboinflammation a common signature across age in chronic lung disease

Anne Hilgendorff (München, Germany), Isis Fernandez, Ivette Bastidas, Alida Kindt, Anastassia Akhalkatsi, Kai Förster, Andreas W. Flemmer, Christoph Hübener, Marion Frankenberger, Nikolaus Kneidinger, Teresa Kauke, Rudolf Hatz, Stefan Karrasch, Annette Peters, Rainer Kaiser, Juergen Behr

Late Breaking Abstract - Sex-specific Differences in COPD Presentation Are Associated with Sphingolipids Metabolism

Elisabetta Granato (Naples, Italy), Ida Cerqua, Jeff Kue, Renata Esposito, Joselyn Rojas-Quintero, Fiorentina Roviezzo, Francesca Polverino

PS-5 in poster area

Session

16:00 - 17:30

Poster session: Sleep-disordered breathing in other respiratory diseases and nocturnal hypoventilation

Disease(s) : Sleep and breathing disorders Thoracic oncology Airway diseases

Method(s) : Epidemiology Surgery Public health General respiratory patient care Physiology Pulmonary function testing Imaging

Chairs : Chair to be confirmed

Assessment of sleep quality in Chronic obstructive pulmonary disease patients with emphysema

amal chennoufi (tunis, Tunisia), Moussa Chirine, Rouis Houda, Ghourabi Asma, Khattab Amel, Khouaja Ibtihel, Mhiri Fatma, Bayahi Leila, Zendah Ines, Maalej Sonia

Prevalence of sleep disorders and disturbances related risk factors among patients with Chronic Obstructive Pulmonary Disease: A systematic review.

Stephanie Palacios (Iloilo, Philippines), Glenford Refre, Patricio Palmes, Ronnie Samoro

Association between preserved ratio impaired spirometry and indices of obstructive sleep apnea (OSA) severity

Michail Fanaridis (Heraklion, Greece), Izolde Bouloukaki, Georgios Stathakis, Konstantina Lyroni, Stiliani Viziriannaki, Georgios Pitsidianakis, Nikolaos Tzanakis, Sophia Schiza

Smoking-induced disturbed sleep: A Distinct Sleep-Related Disorder -experience on 4347 patients

Athanasia Pataka (Thessaloniki, Greece), Ioanna Grigoriou, Paschalia Skalisti, Ioanna Papagiouvanni, Anastasia Michailidou, Konstantinos Charalambidis, Serafeim – Chrysovalantis Kotoulas, Konstantinos Porpodis, Dionysios Spyrtos

THE FORECAST OF THE COURSE OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE WITH OBSTRUCTIVE-APNOEA SYNDROME DURING SLEEP

Khayrillo Rajabov (Tashkent, Uzbekistan), Irina Liverko

THE PHENOTYPES OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE WITH COMORBIDITY OF OBSTRUCTIVE SLEEP APNEA SYNDROME.

Khayrillo Rajabov (Tashkent, Uzbekistan), Irina Liverko

Effect of CPAP treatment on serum 25(OH)D levels in patients with COPD-OSA overlap syndrome

Paschalis Steiropoulos (Alexandroupolis, Greece), Athanasios Voulgaris, Kostas Archontogeorgis, Kostas Bonelis, Michail Fanaridis, Sofia Schiza

Epidemiology of obstructive sleep apnea in patients with severe asthma under treatment with biologics

Lorenzo Cirri (Chur, Switzerland), Thomas Rothe, Tsogyal Daniela Latshang

Evaluation of sleep disordered breathing and related factors in primary ciliary dyskinesia patients

Nagehan Emiralioglu (Ankara, Turkey), Merve Begum Ozturk, Halime Büyükşahin, Ismail Guzelkas, Dilber Ademhan, Beste Ozsezen, Ebru Yalçın, Deniz Doğru, Nural Kiper, Uğur Özçelik

Sleep disordered breathing and snoring in patients investigated for exercise induced laryngeal obstruction: A service evaluation

Keir E. J. Philip (London, United Kingdom), Zander Williams, Emil S Walsted, Julia Kelly, Alanna Hare, James H Hull

Determinants of Nocturnal Hypoxaemia in Patients with Chronic Tromboembolic Pulmonary Hypertension and Sleep-Related Breathing Disorder

Caner Çınar (Istanbul, Turkey), Şehnaz Olgun Yıldızeli, Baran Balcan, Bedrettin Yıldızeli, Bülent Mutlu, Yüksel Peker

Changes in the sleep-disordered breathing from the acute to the stable phase of pulmonary embolism. The ESAET study

Grace Jacqueline Oscullo Yopez (Valencia, Spain), Alberto García Ortega, Eva Mañas Baena, Thais Beaupertuy Levy, Jose Gomez Olivas, Aldara García Sanchez, Irene Cano Pumarega, Amina Bekki, Marina Inglés Azorín, Juan José Jiménez Aguilera, Alba Cerveró Rubio, Pilar Calvillo Batllés, Sergio Mompean Rodríguez, David Jiménez Castro, Miguel Ángel Martínez García

Impact of intermittent and sustained nocturnal hypoxemic burden on the postoperative course in patients after anatomical lung resection

Svenja Schröder (Regensburg, Germany), Clemens Wiest, Christian Schulz, Hans-Stefan Hofmann, Michael Ried, Michael Arzt

Are the anthropometric and arterial blood gas parameters predictors of obesity-hypoventilation syndrome in an apneic population

Mohamed Bougrida (Constantine, Algeria), Fouzia Abdelouahab, Bouchra Benzouid, Mahdi Martani, Mohamed Kheireddine Bourahli

Bicarbonate as predictor of sleep-related hypoventilation

Joël Julien Herzig (Zürich, Switzerland), Sanja Poernicic, Esther Irene Schwarz

Prevalence and predictors of obesity hypoventilation syndrome in patients with obstructive sleep apnea in a tertiary care institution in South India

Barney Isaac (Vellore (Tamil Nadu), India), Chithra Alexander, Roselin John, Anitha Barney, Balamugesh Thangakunam, Devasahayam Christopher

Starting home mechanical ventilation associates with reduced rate of hospitalization in people with obesity hypoventilation syndrome: The population-based DISCOVERY study

Jonas Einarsson (Lund, Sweden), Andreas Palm, Zainab Ahmadi, Magnus Ekström

Comparison of physical activity and quality of life between obese individuals with OSAS or OHS

Afroditi Boutou (Thessaloniki, Greece), Antonios Baxtsevanidis, Anastasia Chasiotou, Diamantis Chloros, Dimitra Mamaletzi, Evangelia Kouidi

Hypoventilation in patients with Prader-Willi syndrome across the pediatric age

Catherine Chen (Bron, France), Iulia Ioan, Marine Thieux, Marc Nicolino, Patricia Franco, Laurianne Coutier

Definition of diaphragmatic sleep disordered breathing in Duchenne Muscular Dystrophy

Federica Trucco (Genova (GE), Italy), Matthew Davies, Alberto Zambon, Deborah Ridout, Francois Abel, Francesco Muntoni

PS-13 in poster area**Session****16:00 - 17:30****Poster session: Nursing interventions and outcomes****Disease(s) :** Airway diseases Sleep and breathing disorders Respiratory critical care**Method(s) :** General respiratory patient care Palliative care Pulmonary rehabilitation Public health Epidemiology Respiratory intensive care**Chairs :** José Miguel dos Santos Castro Padilha (Porto, Portugal), Malin Axelsson (Malmö, Sweden)**Inhalation therapy:educational intervention to avoid complications**

carla Barros (Vila Boa de Quires, Portugal), Mónica Pinheiro

Psychological vulnerability mediates the relationship between pain perception in stable COPD patients.

Maria Granados Santiago (Alcaudete, Spain), Julia Raya Benitez, Sofia Hernández Hernández, Alejandro Heredia Ciuró, Andrés Calvache Mateo, Miguel Hernández Serrano, Marie Carmen Valenza

Assessing health status of patients with COPD using CAT and HADS screening tools: A cross-sectional study

Helga Jonsdottir (Reykjavik, Iceland), Þ.Soley Ingadottir, Stella Stefansdottir

Impact of multimorbidity on depressive symptoms in self-reported COPD

Jungeun Lee (Kingston, United States)

Partnership-based nursing practice framework for patients with chronic obstructive pulmonary disease and their families

Helga Jonsdottir (Reykjavik, Iceland), Bryndis Halldorsdottir, Þ. Soley Ingadottir

Sputum colour as an indicator of quality of life in patients with bronchiectasis

Leticia Bueno Freire (Barcelona, Spain), Patricia Oscanoa, Victoria Alcaraz Serrano, Andrea Palomeque, Rubén López Aladid, Nil Vázquez, Roberto Cabrera, Rosanel Amaro, Laia Fernández Barat*, Antoni Torres*

Pulmonary Rehabilitation Intervention to Maintain Exercise Behavior (PRIMEb) – a motivational analysis.

Duarte Pinto (Matosinhos, Portugal), Nuno Macedo, Raquel Marques, Maria João Cunha, Sónia Rocha, Ana Carvalho, Jorge Encantado, Vânia Rocha, Paulino Sousa, Paulo Machado, Miguel Padilha

General practitioner's referencing habits to pulmonary rehabilitation in a Portuguese urban area

Liliana Silva (Matosinhos, Portugal), Tiago Maricoto, Paula Simão, Patrício Costa, José Miguel Padilha

A case study of a nurse-led maintenance pulmonary rehabilitation programme

Liliana Silva (Matosinhos, Portugal), Tiago Maricoto, Angela Mota, Lara Lemos, Mariana Santos, Inês Azevedo, Patrício Costa, José Miguel Padilha

How many patients with sleep apnoea experience pressure discomfort from the CPAP mask? How can pressure discomfort from the CPAP mask best be prevented?

Lonnie Sneistrup (Svendborg, Denmark), Anne Dichmann Sorknæs, Helle Guldager Corydon

Pressure injuries and respiratory devices: descriptive observational study

margherita beretta (Milano, Italy), Cristiana Piola, Francesco Blasi, Andrea Bellingeri, Enrico Maria Marone, Barbara Sappa

Repercussions of rehabilitation nurse's intervention on critical patients' ventilation with inspiratory muscle training

Luís Estevão (Matosinhos, Portugal), Maria José Gomes, Liliana Silva

Sex, functional impairment, lung injury, and rib fracture pattern impact on disability in patients with a longer hospital stay.

Maria Granados Santiago (Alcaudete, Spain), Julia Raya Benítez, Sofia Hernández Hernández, Javier Martín Nuñez, Laura López López, Irene Cabrera Martos, Marie Carmen Valenza

Correlation study between sleepiness while driving, and daytime sleepiness.

Alejandro Pastor Campo (Sant Boi de Llobregat (CT), Spain), Victoria Pastor Campo, Isabel Portela Ferreño

Patient education in self-care management of individuals with COPD in Turkey

Gamze Oğuz (şişli/eseentepe, Turkey), Merve Kıymaç Sarı, Rahşan Çevik Akyıl, Zehra Durna

Assessment of respiratory distress in small children

Majda Oštir (Ljubljana, Slovenia), Katarina Korenin, Magdalena Zupan, Uros Krivec

Safe discharge in a streamlined practice: A qualitative study of nurses' approach in ending courses of patients with COPD after admission to a medicinal pulmonary ward.

Nanna Vendelboe Gregersen (Aarhus N, Denmark), Dorthe Sørensen

What effect does home-based management have on patients with COPD hospital readmission rates?

Rita Corcoran (Westport (Co Mayo), Ireland), Bridget Murray

Experiences of patients with advanced COPD affiliated with a cross-sectorial lung team.

Birgit Refsgaard (Aarhus V, Denmark), Anders Løkke, Vibeke Bregnballe, Lotte Rodkjaer

PS-7 in poster area**Session****16:00 - 17:30****Poster session: Chronic cough****Disease(s) :** Airway diseases Interstitial lung diseases**Method(s) :** Cell and molecular biology Epidemiology General respiratory patient care Public health Physiology Pulmonary function testing**Chairs :** Alyn Hugh Morice (Cottingham, United Kingdom), Federico Lavorini (Firenze (FI), Italy)**Oscillometry parameters in chronic cough**

Hazim Abozid (Wien, Austria), Chiara Veneroni, Sylvia Hartl, Robab Breyer- Kohansal, Marie-Kathrin Breyer, Otto C Burghuber, Pasquale Pio Pompilio, Emiel Fm Wouters

Prevalence And Characterization of Cough-Related Urinary Incontinence in A Refractory Chronic Cough Population Enrolled in A Phase 2b Trial of The P2X3 Antagonist, Camlipixant

Lorcan McGarvey (Belfast, United Kingdom), Surinder S. Birring, Peter Dicpinigaitis, Jaclyn Smith, Vivek N. Iyer, Sylvain Lanouette, Ronghua Yang, Laurent Harvey, Margaret Garin, Catherine M. Bonuccelli

Chronic cough characteristics in CANVAS

Barnaby Hiron (London, United Kingdom), Riccardo Curro, Hisham Abubakar-Waziri, Katie Rhatigan, Bianca Rugginini, Joseph Shaw, Harini Kesavan, Robert D M Hadden, Caroline Jolley, Jim H Hull, Peter S P Cho, Andrea Cortese, Surinder S Birring

Relationship between measures of type II inflammation and patient reported cough severity and quality of life outcomes in patients with chronic cough

Nermin Diab (Toronto, Canada), Danica Brister, Mustafaa Wahab, Yoshihisa Tokunaga, Christiane Whetstone, Elena Kum, Caitlin Obminski, Jennifer Wattie, Lesley Wiltshire, Karen Howie, Kieran Killian, Jaclyn Smith, Roma Sehmi, Gail Gauvreau, Paul M O'Byrne, Imran Satia

Airway inflammation, bronchial hyperresponsiveness, and anti-asthma therapy responses in cough variant asthma and classic asthma with FEV1% $\geq$ 80% predicted

Xue Zhang (Shanghai, China), Chengjian Lv, Huijuan Hao, Jingwang Lin, Xue Tian, Min Zhang

Refractory and unexplained chronic cough: burden and cost of care

Jacky Smith (Manchester (Greater Manchester), United Kingdom), Norman Stein, Sylwia Migas, Sue Bokowski, Claire Williams, Patricia Baker, John New, Jonathan Schelfhout, Eileen Fonseca, Haya Langerman

Association between central obesity and chronic cough in the general adult population.

Johnmary T. Arinze (Rotterdam, Netherlands), Katia M.C. Verhamme, Fernando Rivadeneira, Guy Brusselle

Blood eosinophils in a cohort of Chronic Cough Patients consecutively admitted to a dedicated outpatient clinic: a retrospective case note analysis

Carlo Barbetta (Ferrara (FE), Italy), Anna Del Colle, Marco Caminati, Rachele Vaia, Gianenrico Senna, Donato Lacedonia, Umberto Zuccon, Rossana Roncato

A novel questionnaire describing sensations and triggers associated with refractory and unexplained chronic cough

James Wingfield Digby (Manchester (Greater Manchester), United Kingdom), Chelsea Sawyer, Shannon Galgani, Jenny King, Holt Kimberley, Rachel Dockry, Joanne Mitchell, Jacky Smith, Paul Marsden, Janelle Yorke

Patient global impression of severity in chronic cough; repeatability and responsiveness

Katie Rhatigan (Denmark Hill, United Kingdom), Barnaby Hiron, Harini Kesavan, Miten Sudra, Candice Ebelthite, Richard Turner, Caroline Jolley, James Hull, Surinder Birring, Peter Cho

Correlation of visual analogue scale with Leicester Cough questionnaire in patients with refractory/unexplained chronic cough

Christian Domingo Ribas (Sabadell (Barcelona), Spain), Ignacio Dávila, Santiago Quirce, Astrid Crespo-Lessmann, Miguel Diaz-Palacios, Antonio Pereira-Vega, Maria Luisa Nieto, Juan Luis Rodriguez-Hermosa, Luis Cea-Calvo, Pilar López-Cotarelo, Marta Sanchez Jareño, Luis Puente-Maestu

The long-term prognosis of chronic cough

Jinkyong Park (Seoul, Republic of Korea), Yee Hyung Kim, Myung Jae Park, Cheon Woong Choi

Burden of chronic dry and productive cough on social participation, healthcare resource utilisation and activities of daily living from the Canadian Longitudinal Study on Aging (CLSA)

Imran Satia (Hamilton, Canada), Alexandra Mayhew, Nazmul Sohel, Om Kurmi, Kieran Killian, Paul O'Byrne, Parminder Raina

Chronic cough in sarcoidosis

Barnaby Hirons (London, United Kingdom), Katie Rhatigan, Harini Kesavan, Richard Turner, Caroline Jolley, Katherine Myall, Surinder S Birring, Pete S P Cho

Stress urinary incontinence in women with chronic cough: impact on cough-related quality of life

Luis Puente Maestu (Madrid, Spain), Santiago Quirce, Ignacio Dávila, Ebymar Arismendi, Eva Martínez-Moragón, Javier Sola-Martínez, Alfredo De Diego, Francisco Javier González-Barcala, Luis Cea-Calvo, Cristina Rivas-Pardinas, Marta Sanchez Jareño, Christian Domingo-Ribas

Relationship between subjective cough outcomes and activity impairment in patients with chronic cough

Chaoqun (Cherry) Xu (Toronto, Canada), Mustafaa Wahab, Elena Kum, Nermin Diab, Danica Brister, Caitlin Obminski, Jennifer Wattie, Lesley Wiltshire, Karen Howie, Sue Beaudin, Kieran Killian, Jaclyn Smith, Gordon Guyatt, Roma Sehmi, Gail Gauvreau, Paul O'Byrne, Imran Satia

Serum IgE levels and blood eosinophils as potential Th2 inflammation biomarkers and target to address Chronic Cough: a retrospective analysis

Carlo Barbetta (Ferrara (FE), Italy), Anna Del Colle, Umberto Zuccon, Alessio De Massimi, Vittorio Giacomarra, Maria Elisabetta Conte, Alberto Fantin, Marco Contoli, Alberto Papi, Antonella Serafini, Gelindo Cappellato, Marco Caminati, Gianenrico Senna, Rachele Vaia, Francesco Saverio Serino, Rossana Roncato

Work productivity and activity impairment among chronic cough patients after a guideline-based treatment in the McMaster Cough Clinic

Chaoqun (Cherry) Xu (Toronto, Canada), Mustafaa Wahab, Elena Kum, Nermin Diab, Danica Brister, Caitlin Obminski, Jennifer Wattie, Lesley Wiltshire, Karen Howie, Sue Beaudin, Kieran Killian, Jaclyn Smith, Gordon Guyatt, Roma Sehmi, Gail Gauvreau, Paul O'Byrne, Imran Satia

Late Breaking Abstract - Frequent Productive Cough associates with an increased risk of cardiopulmonary outcomes in a real-life cohort of patients with COPD (NOVELTY study)

Hana Müllerová (Cambridge, United Kingdom), Eleni Rapsomaniki, Rod Hughes, Jonathan Marshall, Alberto Papi, Helen Reddel, Mehul Patel

Late Breaking Abstract - Automated cough analysis: The value of own data vs open sound databases

Össur Ingi Emilsson (Uppsala, Sweden), Carl Andersson, Henrik Johansson, Thomas Schön

PS-18 in poster area**Session****16:00 - 17:30****Poster session: Physiology in pulmonary hypertension****Disease(s) :** Pulmonary vascular diseases**Method(s) :** Physiology Imaging Pulmonary function testing Pulmonary rehabilitation**Chairs :** Anton Vonk Noordegraaf (Amsterdam, Netherlands), Stéphanie Saxer (Zürich, Switzerland)**Clinical relevance of exercise pulmonary arterial compliance**

Katarina Zeder (Graz, Austria), Chiara Banfi, Vasile Foris, Teresa Sassmann, Andrea Berghold, Horst Olschewski, Gabor Kovacs, Philipp Douschan

Is the estimation of peak oxygen consumption reliable using the six-minute walk test in patients with pulmonary hypertension?

Estrella Caballeria Lamelas (Badalona (Barcelona), Spain), Rodrigo Torres Castro, Elena Gimeno Santos, Maria Caridad Mata Salvador, Agustín Roberto García, Xavier Alsina Restoy, Clara Martín Ontiyuelo, Ana María Ramírez Gallardo, Joan Albert Barberà, Isabel Blanco

A qualitative exploration of pulmonary hypertension patients' views and experience with a remotely delivered home-based exercise program

Ciara McCormack (Navan, Ireland), Brona Kehoe, Niall Moyna, Sarah Cullivan, Brian McCullagh, Sean Gaine, Sarah Hardcastle

The one-minute sit-to-stand test (1-min STST) and its relationship to quality of life (QoL) in patients with pulmonary hypertension (PH)

Christina Kronberger (Vienna, Austria), Roya Anahita Mousavi, Begüm Öztürk, Robin Willixhofer, Roza Badr Eslam

Inspiratory muscle training in patients with pulmonary hypertension: a double-blind randomized controlled trial

Elaine Vieira (Sao Caetano do Sul (SP), Brazil), João Vitor Rolim, Ivan Ivanaga, Priscila Sperandio, Eloara Ferreira, Jaqueline Ota-Arakaki, Luiz Eduardo Nery, Roberta Ramos

Reproducibility of CPET variables in subjects with pulmonary arterial hypertension: Preliminary data from ADVANCE CAPACITY

Carrie Ferguson (Torrance, United States), Janos Porszasz, Louis Holdstock, Youlan Rao, David Yehle, Raymond Benza, Ronald Oudiz

A pilot study of a digital 1-Minute Walk Test as a novel decentralised endpoint in pulmonary hypertension research

Joseph Newman (Cambridge, United Kingdom), Lucy Robertson, Jean Gosbee, Gary Polwarth, Shaun Clayton, Iain Armstrong, Elisa Ferrer-Mallol, Sandra Komarzynski, Elin Haf Davies, Mark Toshner

Perceived barriers to physical activity in pulmonary hypertension

Layse Nakazato (Campinas, Brazil), Vitória Veronez, Tatiana Kiyota, Paulo Mendes, Marcos Moreira, Mônica Pereira

Usefulness of Heart Rate variability measurement during 6-MWT in Pulmonary Arterial Hypertension

Andrea Lombi (Vedano al Lambro (MB), Italy), Chiara Milano, Giulia Pittalis, Marta Tundo, Lorenzo Volpiano, Riccardo Ripamonti, Paola Alfieri, Paola Faverio, Fabrizio Luppi, Giuseppe Paciocco

Correlation between lung vessel morphology and prognostic markers in pre-capillary pulmonary hypertension

Michael Pienn (Graz, Austria), Roman J. Gertz, Felix Gerhardt, Jan R. Kröger, Hasan Zaytoun, Robert P. Reimer, Anil Kaplan, Max Wissmüller, Gabor Kovacs, Stephan Rosenkranz, Horst Olschewski, Alexander C. Bunc

Increased right ventricular myocardial strain in unaffected adults carrying gene mutations predisposing to pulmonary arterial hypertension

Eszter Nóra Tóth (Amsterdam, Netherlands), Lucas Celant, Samara Jansen, Lilian Meijboom, Frances S De Man, Anton Vonk Noordegraaf, Harm Jan Bogaard

Impact of pulmonary arterial hypertension therapies on gas exchange in portopulmonary hypertension

Thomas Lacoste-Palasset (Saint mande, France), Antoine Beurnier, Audrey Baron, Marie-Caroline Certain, Xavier Jaïs, Anne Roche, David Montani, Marc Humbert, Olivier Sitbon, Laurent Savale

The impact of tricuspid regurgitation on the non-invasive assessment of stroke volume derived from cardiac magnetic resonance in pulmonary hypertension

Andrea Baccelli (Milano, Italy), Deepa Gopalan, Gulammehdi Haji, Rachel Davies, Stefano Centanni, Luke Howard, Francesco Lo Giudice

Relationship between right ventricular longitudinal strain using cardiac magnetic resonance and haemodynamics in patients with pulmonary hypertension

Yoshihiro Sato (Toyoake, Japan), Shigefumi Fukui, Hideki Kawai, Akira Yamada, Masayoshi Sarai, Hideo Izawa

Right ventricular strain-time curves in patients with pulmonary arterial hypertension – an exploratory analysis

Julian Pott (Hamburg, Germany), Dora Csengeri, Jonna Ostermann, Hans Klose, Christoph Sinning, Lars Harbaum

Prognostic impact of RV-PA coupling in patients with mild-or exercise pulmonary hypertension

Teresa Sassmann (Graz, Austria), Antonia Eger, Vasile Foris, Nikolaus John, Katarina Zeder, Manuel Richter, Khodr Tello, Horst Olschewski, Gabor Kovacs, Philipp Douschan

Right ventricular longitudinal strain using cardiac magnetic resonance for risk stratification in patients with pulmonary hypertension

Yoshihiro Sato (Toyoake, Japan), Shigefumi Fukui, Hideki Kawai, Akira Yamada, Masayoshi Sarai, Hideo Izawa

Concordance of right ventricular evaluation by pocket ultrasound and transthoracic echocardiography in patients with pulmonary hypertension.

Pamela Mercado velazquez (mexico city, Mexico), Estrella Jor Esteban Estrella, José Luis Hernández Oropeza, Ivette Buendía Roldán, Tatiana Sofía Rodríguez Reyna, Consuelo Orihuela Sandoval, Jesús Rodríguez Andoney

The effect of high altitude (2500m) on incremental cycling exercise in patients with pulmonary vascular disease. A randomized controlled cross-over trial

Julian Müller (Zürich, Switzerland), Simon R. Schneider, Meret Bauer, Laura Mayer, Lea Lüönd, Tanja Ulrich, Michael Furian, Aglaia Forrer, Esther I. Schwarz, Konrad E. Bloch, Mona Lichtblau, Silvia Ulrich

Pulmonary arterial wedge pressure increase during exercise in patients with pulmonary vascular disease

Julian Müller (Zürich, Switzerland), Laura Mayer, Simon R. Schneide, Anna Titz, Esther I. Schwarz, Stephanie Saxer, Michael Furian, Ekkehard Grünig, Silvia Ulrich, Mona Lichtblau

PS-16 in poster area

Session

16:00 - 17:30

Poster session: Pulmonary fibrosis: impact, diagnosis, and management

Disease(s) : [Interstitial lung diseases](#)Method(s) : Epidemiology Imaging Public health Endoscopy and interventional pulmonology General respiratory patient care
Pulmonary function testing Pulmonary rehabilitation Physiology Palliative care

Chairs : Sara Tomassetti (Florence, Italy), Lurdes Planas Cerezales (Barcelona, Spain)

Clinical use of telomere length in idiopathic pulmonary fibrosis

Antoine Froidure (Bruxelles, Belgium), Trejsi Muça, Marie-Astrid Van Dievoet, Anabelle Decottignies

Screening of first-degree relatives of IPF patients with a telomere-related gene mutation

Tinne Goos (Leuven, Belgium), Nathalie Veyt, Evelien Van Hoof, Karen Rosier, Stefan Gogaert, Marie Vermant, Lynn Willems, Frederik Staels, Ilse Van Raemdonck, Sam Thierie, Emanuela Elsa Cortesi, Laurens J De Sadeleer, Jonas Yserbyt, Nico De Crem, Joseph Jacob, Marianne S Carlon, Johny Verschakelen, Adriana Dubbeldam, Annie Corveleyn, Stijn E Verleden, Sascha Vermeer, Wim A Wuyts

Familial interstitial pneumonia: survival is independent of interstitial lung disease aetiology

Deborah Dos Reis Estrella (Belo Horizonte (MG), Brazil), Eliane Viana Mancuzo, Ricardo De Amorim Corrêa, Regina Célia Carlos Tibana, Maria Raquel Soares, Carlos Alberto De Castro Pereira

Barriers and facilitators when talking about personal values, wishes and needs nearing the end-of-life. A qualitative exploration of a patient and partner perspective

Lian Trapman (Zoelmond, Netherlands), L.M. Dijkman, J.C. Grutters, E. De Graaf, S.C.C.M. Teunissen

The development of an integrative palliative care intervention for patients with progressive pulmonary fibrosis: application of SUPPORT™(USA) to the Dutch setting

Lian Trapman (Zoelmond, Netherlands), L.M. Dijkman, E. De Graaf, S.C.C.M. Teunissen, J.C. Grutters, Kathleen Lindell

Mortality and Lung Function Decline of Idiopathic Pulmonary Fibrosis Patient with Ezetimibe and Pirfenidone

Jinhyung Cho (Seoul, Republic of Korea), Chanho Lee, Se Hyun Kwak, Young Sam Kim

A new instrument to assess disease-related fears in Interstitial Lung Disease (ILD): The ILD-Anxiety-Questionnaire (IAQ)

Nina Piel (Berlin, Germany), Michael Kreuter, Klaus Kenn, Nikola Stenzel

Perspectives On Screening and early Treatment for Pulmonary Fibrosis: a qualitative study

Laura Fabbri (London, United Kingdom), Gisli Jenkins, Louise Doran, Manpreet Bains

Preclinical idiopathic pulmonary fibrosis (IPF): a retrospective cohort study

Tomohiro Bando (Seto, Japan), Reoto Takei, Jun Fukihara, Hajime Sasano, Yasuhiko Yamano, Toshiki Yokoyama, Toshiaki Matsuda, Kensuke Kataoka, Tomoki Kimura, Hiroto Hatabu, Junya Fukuoka, Takeshi Johkoh, Yasuhiro Kondoh

Impulse oscillometry assesses small airway disease and reveals peripheral lung pathology in pulmonary fibrosis

Athena Gogali (Ioannina, Greece), Georgia Gkrepi, Christos Kyriakopoulos, Konstantinos Tatsis, Konstantinos Exarchos, Hara Tselepi, Konstantinos Kostikas

Short-term evolution of nutritional status in patients with idiopathic pulmonary fibrosis

Giovanni Franco (Monza, Italy), Paola Faverio, Alessia Fumagalli, Sara Conti, Fabiana Madotto, Francesco Bini, Sergio Harari, Michele Mondoni, Tiberio Oggioni, Emanuela Barisone, Paolo Ceruti, Maria Chiara Papetti, Bruno Dino Bodini, Antonella Caminati, Angela Valentino, Stefano Centanni, Paola Lanzi, Matteo Della Zoppa, Silvia Crotti, Marco Grosso, Samir Giuseppe Sukkar, Denise Modina, Marco Andreoli, Roberta Nicali, Giulia Suigo, Sara Busnelli, Giuseppe Paciocco, Sara Lettieri, Lorenzo Giovanni Mantovani, Giancarlo Cesana, Alberto Pesci, Fabrizio Luppi

Shared multidisciplinary approach to the complex management of patients with pulmonary fibrosis and impact on time to multidisciplinary diagnosis, accessibility to antifibrotics and environment

Mariam Naqvi (London, United Kingdom), Thomas Simpson, Alex West

Impact of pulmonary fibrosis on the lives of patients and carers in Ireland in 2022

Colin Edwards (Dublin, Ireland), Nicola Cassidy, Daniel Sheahan, Gemma O'Dowd, Lindsay Brown, Katherine O'Reilly

Nintedanib side effect risk stratification: targeting nurse support at a single UK prescribing centre

Carmine Ruggiero (Oxford, United Kingdom), Shakila Hussain, Karen Parsons, Sarah Poole, Michael Avoseh, Emily Fraser, Ling-Pei Ho, Peter Saunders, Rachel K. Hoyle

Factors associated with non-intervention with antifibrotic agents in IPF patients

Maki Asami (Ube (Yamaguchi), Japan), Kazuki Hamada, Takeshi Abe, Keiji Oishi, Tsunahiko Hirano, Yoshiyuki Asai, Kazuto Matsunaga

Trans-bronchial cryobiopsy is superior to forceps biopsy for diagnosing both fibrotic and non-fibrotic interstitial lung diseases

Ophir Freund (Tel Aviv, Israel), Ori Wand, Sonia Schneer, Nevo Barel, Tamar Shalmon, Sarah Borsekofsky, Tzlil Hershko, Evgeni Gershman, Yochai Adir, Amir Bar-Shai, David Shitrit, Avraham Unterman

Interest of transbronchial lung cryobiopsies in patients with a HRCT pattern of probable UIP

Charlotte Menigoz (Nantes, France), Antoine Moui, Christine Sagan, Frédérique Corne, Nathanaël Carlier, Valentin Patarin, Claire Defrance, Renan Liberge, Olivier Morla, Arnaud Cavailles, Laurent Cellerin, F.Xavier Blanc, Stéphanie Dirou

Impact of a nurse-led antifibrotic prescribing service at a single interstitial lung disease specialist centre in the UK.

Helen Morris (Manchester (Greater Manchester), United Kingdom), Katie Zakis, Jenna Swale, Annie Barker, Theresa Garfoot, Kate Newman, Holly Montgomery, Janet Johnson, Pilar Rivera-Ortega

A retrospective analysis assessing the impact of blood monitoring for antifibrotic therapy prescribed for idiopathic pulmonary fibrosis and progressive pulmonary fibrosis

Marium Naqvi (London, United Kingdom), Alexandra Lawrence, Annabel Healey, Joanne Dallas, Laura Chapman, Alex West

Correlation of pulmonary functional tests with data from thoracic high resolution tomography using lung texture analysis software in ILD.

Jacobo Sellares Torres (Barcelona, Spain), Elvis Paul Matheus Ramírez, Maria Noboa Sevilla, Maria Benegas Urteaga, Alejandro Frino Garcia, Juanissi Turaren Gonzalez, Nancy Perez Rodas, Fernanda Hernandez Gonzalez, Marcelo Sanchez Gonzalez

17:30-19:00**INDUSTRY EVENING MINI SYMPOSIUM****SEE PAGE 1****17:30-19:00****INDUSTRY EVENING SYMPOSIUM****SEE PAGE 1**

Amber 3+4	Session	08:00 - 10:20
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Skills workshop: SW7 Practicalities of spirometry and whole-body plethysmography

Aims : to help attendees gain the technical expertise needed to perform spirometry and whole-body plethysmography according to both best practice and the latest recommendations that are supported by experts in the field; to explain the measurements of spirometry, static lung volumes, airway resistance and resistance-volume loops via whole-body plethysmography; to discuss the technical aspects of the body box, standardisation of test performance, reporting and case study interpretation.

Disease(s) : Airway diseases Paediatric respiratory diseases

Method(s) : Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Paediatrician, Physician in Pulmonary Training, Physiologist

Chairs : Karl Sylvester (Cambridge (Cambridgeshire), United Kingdom)

08:00	Introduction
08:00	Performing spirometry Aisling McGowan (Dublin 15, Ireland)
08:00	Standardised static lung volume measurement using whole-body plethysmography Frans H.C. De Jongh (Enschede, Netherlands)
08:00	Measurement of airway resistance and resistance-volume loops using whole-body pethysmography Mart N. van der Plas (Monster, Netherlands)
08:00	Reporting and interpretation of case studies Maximillian Thomas (, United Kingdom)

Amber 1+2	Session	08:00 - 10:20
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Skills workshop: SW4 Interpretation of cardiopulmonary exercise tests

Tips and pitfalls in cardiopulmonary exercise testing assessment

Aims : to identify typical patterns of responses to cardiopulmonary exercise testing and demonstrate how to discriminate these from anomalous response profiles, which can cause misinterpretation of test results.

Disease(s) : Airway diseases Interstitial lung diseases Pulmonary vascular diseases

Method(s) : Physiology Pulmonary function testing Pulmonary rehabilitation

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Paediatrician, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist

Chairs : Pierantonio Laveneziana (Paris, France)

08:00	Introduction
08:00	Relationship between oxygen uptake and work rate Paolo Palange (Rome, Italy)
08:00	Anaerobic/lactate threshold William Stringer (Long Beach, United States)
08:00	Ventilatory efficiency J. Alberto Neder (Kingston (ON), Canada)
08:00	Breathing pattern and dynamic hyperinflation Michele Schaeffer (Leuven, Belgium)

08:00-08:45

INDUSTRY SKILLS LAB WORKSHOP

SEE PAGE 1

PS-17 in poster area	Session	08:00 - 09:30
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Poster session: Translating lung cancer: mechanisms, mutations, and prediction

Disease(s) : Airway diseases Interstitial lung diseases Thoracic oncology

Method(s) : Cell and molecular biology Surgery Epidemiology Pulmonary function testing General respiratory patient care
Endoscopy and interventional pulmonology Public health

Chairs : Andriani Charpidou (Athens, Greece), Daniela Xhemalaj (Tirana, Albania)

Cancer-related mutations in non-tumoral respiratory epithelium: long-term prognosis.

Roberto Chalela Rengifo (Barcelona, Spain), Emanuel Carmona, Albert Sánchez-Font, Víctor Curull, Pedro Rocha, Diana Badenes, Raquel Longarón, Joaquín Gea, Ignacio Sánchez-Guerri, Beatriz Bellosillo

Prognostic impact of reactive oxygen species modulator 1 (Romo1) in resected EGFR-mutant lung adenocarcinoma

Tae Woo Kim (Seoul, Republic of Korea), Myung Jae Park, Seung Hyeun Lee

Late Breaking Abstract - Factors affecting recurrence in early stage lung adenocarcinoma

Fatma Canbay (Nicosia, Cyprus), Ayperi Merzi Öztürk, Sema Canbakan, Funda Demirağ, Hakan Ertürk

IL-17A promotes tumorigenesis and upregulate PD-L1 expression in Non-small cell lung cancer

Hua Liao (GuangZhou, China), Hangming Dong

Crosstalk between Metformin and angiogenesis in lung cancer model

Jiun-Long Wang (Taichung, Taiwan), Chuan-Mu Chen

Changes of lung microbiota composition in patients with non-small cell lung cancer

Vytautas Ankudavicius (Kaunas, Lithuania), Darja Nikitina, Rokas Lukosevicius, Jurgita Skieceviciene, Juozas Kupcinskas, Skaidrius Miliuskas, Marius Zemaitis

Sphingolipid metabolism in the pathogenesis of advanced non-small cell lung cancer

Lilla Büdi (Budapest, Hungary), Dániel Hammer, Rita Varga, Veronika Müller, Adám Domonkos Tárnoki, Dávid László Tárnoki, Martina Mészáros, András Bikov, Péter Horváth

Association of DNA repair gene O6-Methylguanine-DNA Methyltransferase (MGMT) expression with aberrant promoter methylation in Lung Cancer Progression

Supriya Karpathak (Lucknow, India), Rajiv Garg, Mohammad Kaleem Ahmad, Anand Srivastava, Neelam Misra, Anurag Kumar Srivastav

Late Breaking Abstract - Higher radiation dose in chemoradiotherapy followed by immunotherapy with durvalumab in patients with stage III non-small cell lung cancer does not increase risk for pneumonitis.

Felix Schragel (Wien, Austria), Melanie Matousek, Christoph Resl, Peter Errhalt, Klaus Hackner

Understanding BRAF mutation in non-small cell lung cancer patients

Giulia Squarzon (Italy, Italy), Mariaenrica Tine, Davide Ortolan, Federica Pezzuto, Fiorella Calabrese

Favorable conditions for the detection of EGFR T790M mutation using plasma samples in patients with non-small cell lung cancer

INSU KIM, Hyun Sung Chung, Jung Seop Eom

Next-generation sequencing in stage I-III vs stage IV non-small cell lung cancer

Miguel Trigueiro Rocha Barbosa (Viana do Castelo, Portugal), Joana Ribeiro, Raquel Paulinetti, Telma Sequeira, Paulo Mota, Cristina Albuquerque, Teresa Almodovar

Evaluation of PD-1 T lymphocytes in bronchoalveolar lavage in lung cancer compared to benign lung diseases

Barbara Hammer (Borstel, Germany), Christina Bal, Maximilian Gysan, Sonja Zehetmayer, Silvana Geleff, Andreas Zech, Markus Kramer, Seda Ayazseven, Marco Idzko, Mir Alireza Hoda, Daniela Gompelmann

Prognostic significance of the IASLC Pathology Committee grading system for lung adenocarcinoma among Filipino patients

Aprille Anne Octaviano (Quezon City, Philippines), Ma. Janeth Samson, Rex Michael Santiago

Spread through air spaces prognostic value in adenocarcinoma

Mara Daniela Silva Sousa (Vizela, Portugal), Mariana Gonzalez Ribeiro, Catarina Sousa, Hélder Novais-Bastos, David Araújo, Gabriela Fernandes, Adriana Magalhães, André Carvalho, Susana Guimarães, Conceição Souto Moura, Venceslau Hespanhol, Cláudia Freitas

COMPARATIVE ANALYSIS ACCORDING TO ALPHA-1 ANTITRYPSIN GENOTYPE IN A COHORT OF PATIENTS WITH LUNG CANCER IN NORTHWEST SPAIN

Ramon Antonio Tubio Perez (Vigo, Pontevedra, Spain), Esmeralda Garcia Rodriguez, Ana Priegue Carrera, María Torres Durán, Carlos Vilariño Pombo, Raquel Dacal Quintas, Isaura Parente Lamelas, Raquel Barbosa Lorenzo, Alberto Fernandez Villar

COPD patients with NSCLC respond better to immune checkpoints inhibitors

Augustin Boudoussier (Bordeaux, France), Iban Larrouture, Pauline Henrot, Remi Veillon, Claire Bardel, Camille Chautemps, Pierre Schilfarth, Maeva Zysman

Machine Learning Predicts metastasis of cT1 solid lung cancer

Li Yang (, China), Jing Huang, Jie Lan, Weiye Li, Junhao Mu, Min Ao, Longke Ran

PS-12 in poster area**Session****08:00 - 09:30****Poster session: Evaluation of lung function techniques and sleep studies in paediatrics.****Disease(s) :** Sleep and breathing disorders Airway diseases**Method(s) :** General respiratory patient care Physiology Pulmonary function testing Respiratory intensive care Epidemiology Imaging**Chairs :** Nicole Beydon (Paris, France), Chair to be confirmed**Detecting pediatric breathing: How do CPAP/NIV devices work?**

Emeline Fresnel (Bois-Guillaume, France), Meryl Vedrenne-Cloquet, Marius Lebre, Lucie Griffon, Brigitte Fauroux, Sonia Khirani

Can ventilator's built-in software predict hypercapnia or desaturation in children on chronic non-invasive ventilation? A retrospective study

Jolien Paulussen (Molenbeek-Wersbeek, Belgium), Xante Mentens, Janne Vanhees, Sophie Installé, Anse Van Ostaeen, Kris Ides, Nathalie Jouret, Kim Van Hoorenbeeck, Stijn Verhulst

A comparison of machine generated AHI to ODI measured by pulse oximetry in paediatric patients on CPAP

Natalie Blyth (Nottingham, United Kingdom), Joe Madge, Prakash Patel, Tahera Doctor, Molla Imaduddin Ahmed

Paediatric long-term noninvasive respiratory support in children with central nervous system disorders: a French cross-sectional study.

Marion Carrara (Paris, France), Guillaume Aubertin, Sonia Khirani, Brigitte Fauroux, Jessica Tayard

Long term continuous positive airway pressure and noninvasive ventilation in children with OSA-I and OSA-II in France

Chiara Tommesani (Milano, Italy), Sonia Khirani, Lucie Griffon, Brigitte Fauroux

Comparison of Demographic, Respiratory, and Polysomnography-Capnography Results of Patients with Duchenne Muscular Dystrophy

Mine Kalyoncu (Istanbul, Turkey), Yasemin Gokdemir, Cansu Yılmaz Yeğit, Mürvvet Yanaz, Aynur Gulieva, Merve Selçuk, Şeyda Karabulut, Neval Metin Çakar, Pinar Ergenekon, Ela Erdem Eralp, Gülten Öztürk, Olcay Ünver, Dilşad Türkdogan, Fazilet Karakoç, Bulent Karadağ

Transition from tracheostomy to Non-Invasive Ventilation in children with Congenital Central Hypoventilation Syndrome

Jenny Taylor (London, United Kingdom), Alice Crawshaw, Garry Rendle, Vasileios Patelis, Martin Samuels, Elaine Chan

Optical coherence tomography angiography evaluation of choriocapillaris and retinal vessel density in children with obstructive sleep apnea syndrome

Melania Evangelisti (Roma (RM), Italy), Solmaz Abdolrahimzadeh, Marta Arpinelli, Marco Del Pozzo, Gianluca Scuderi, Mario Barreto, Giovanni Di Nardo, Pasquale Parisi, Maria Pia Villa

Oxidative stress in children with obstructive sleep apnea syndrome

Melania Evangelisti (Roma (RM), Italy), Marta Arpinelli, Manuela Cecili, Martina Forlani, Maurizio Simmaco, Giovanni Di Nardo, Pasquale Parisi, Maria Pia Villa

Hyperventilation provocation test in children: what is more frequent, symptoms or hypocarbia?

Nicole Beydon (Paris, France), Corentin El Jammal, Houda Saleh-Guillo, Marc Koskas, Lucia Maingot, Noria Medjahdi, Marie-Claude La Rocca

Applicability of the Global Lung Function Initiative (GLI)-2012 equations to Hong Kong Chinese children

Ching Ching Kate Chan (Hong Kong, Hong Kong), Huichen Zhu, Chun T Au, Hoi M Yuen, Hui Y Chin, Michelle Yu, Magnum Yu, Albert M Li

Impact of new Guidelines on the Quality of Spirometry in Paediatrics

Carolina Arez Constant (Lisboa, Portugal), Ana M Silva, Ângela Drago, Andreia Descalço, Ângela Martins, Teresa Bandeira

Criteria For Bronchodilator Responsiveness Testing In Children. The Most Adequate Is...

Carolina Arez Constant (Lisboa, Portugal), Andreia Descalço, Ângela Drago, Ângela Martins, Ana M Silva, Teresa Bandeira

Lung Clearance Index (LCI) is sensitive to CF lung disease and normal result is reassuring.

Kenneth A. Macleod (Edinburgh (Edinburgh), United Kingdom), Heather Dowle, Taylor Gilchrist, Kellie Moffat, Jody Forster, Don S Urquhart

Automated quality control for spirometry as a tool for faster and more objective results

Xenia Bovermann (Bern, Switzerland), Léa Ho Dac, Marion Curdy, Nadine Meuwly, Carmen Streibel, Bettina Frauchiger, Philipp Latzin

In-vitro comparison of infant SF6-multiple-breath washout setups

Marc-Alexander Oestreich (Bern, Switzerland), Robin Hänni, Florian Wyler, Blaise Etter, Anne-Christianne Kentgens, Dominik Obrist, Philipp Latzin, Kathryn Ramsey, Sophie Yammine

Leg muscle function and exercise capacity in adolescents living with obesity

Larry C. Lands (Montréal (QC), Canada), Juliano Colapelle, Julie St-Pierre, Julius Erdstein

A comparison of CPET protocol selection methods in a Leicestershire paediatric cohort

Natalie Blyth (Nottingham, United Kingdom), Joe Madge, Prakash Patel, Molla Imaduddin Ahmed

Late Breaking Abstract - New aerosol based method detects enlarged distal airspaces in adolescents that were born preterm

Jakob Löndahl (Lund, Sweden), Hugo Öhrneman, Frida Lindström, Cecilia Hagman, Madeleine Petersson Sjögren, Jenny Rissler, Per Wollmer, Ellen Tufvesson

Late Breaking Abstract - Pulmonary small and large vessel blood volume in severe bronchopulmonary dysplasia

Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Merlijn Bonte, Joana Costa, Liesbeth Duijts, Patrick Muchmore, Charles Mussche, Irwin Reiss, Pierluigi Ciet

PS-19 in poster area**Session****08:00 - 09:30****Poster session: Pulmonary embolism: acute and long-term management (2)****Disease(s) :** Pulmonary vascular diseases Respiratory critical care Interstitial lung diseases Airway diseases**Method(s) :** Pulmonary rehabilitation General respiratory patient care Epidemiology Imaging Pulmonary function testing Public health Cell and molecular biology**Chairs :** Luis Jara-Palomares (Sevilla, Spain)**Exploring the efficacy of D-dimers in ruling out PE in high-risk individuals by Wells score**

Cara M Gill (Dublin, Ireland), Helen O'Brien, Brian Gaffney, John Duignan, Marcus W Butler, Michael P Keane, Jonathan D Dodd, David J Murphy, Cormac Mc Carthy, Alessandro N Franciosi

An Australian study on factors impacting the length of stay for acute pulmonary embolism

Xinxin Hu (Sydney, Australia), Ming-Yan Teo, Mohan Nagarajah

INPATIENT EXPERIENCE AVOIDANCE, PHYSICAL ACTIVITY, AND PERCEIVED DISABILITY AFTER A PULMONARY THROMBOEMBOLISM

Alejandro Heredia Ciuró (Granada, Spain), Ana Belén Gámiz Molina, Julia Raya-Benítez, Miguel Hernández Serrano, Carmen Lidia Félix Seguro, Javier Martín Núñez, Marie Carmen Valenza

HANDGRIP STRENGTH AS PREDICTOR OF SYMPTOM SEVERITY AND HOSPITAL LENGTH OF STAY AFTER A PULMONARY THROMBOEMBOLISM

Alejandro Heredia Ciuró (Granada, Spain), Julia Raya-Benitez, Ana Belén Gámiz-Molina, Miguel Hernández-Serrano, Carmen Lidia Félix-Segura, Maria Granados-Santiago, Marie Carmen Valenza

Prognostic value of Shock Index in patients with hemodynamic unstable pulmonary embolism

Ivana Vujovic (Novi Sad, Republic of Serbia), Dušanka Obradović, Stanislava Sovilj Gmizić, Maja Banjac, Nemanja Kuštrimović

Protective effect of early anticoagulation for renal function in normotensive pulmonary embolism patients with right ventricular dysfunction

Dingyi Wang (Beijing, China), Guohui Fan, Xiaomao Xu, Qin Luo, Jun Wan, Peiran Yang, Zhenguo Zhai

Prognostic Impact of Acute Kidney Injury Compared with Estimated Glomerular Filtration in Patients with Acute Pulmonary Embolism: Analysis from a Large Nationwide Registry

Dingyi Wang (Beijing, China), Yishan Li, Guohui Fan, Zhenguo Zhai, Chen Wang

MicroRNAs expression before and after exercise in patients with persistent lung perfusion defects after pulmonary embolism

Remedios Otero Candelera (Sevilla, Spain), Berenice Brown Arreola, David Hervás Marín, Noelia Sola Idígora, Ezequiel Juan Saborido, María Dolores Nuñez Ollero, María Rosario Ruiz Serrano De La Espada, Cándido Fernández García, Teresa Elías Hernández, Luis Jara Palomares, Virginia Almadana Pacheco, Patricia Guerrero Zamora, Julia Oto Martínez, Pilar Medina Badenes, Pilar Cejudo Ramos, Verónica Sánchez Lopez

Cardiopulmonary exercise test to identify pulmonary arterial hypertension in patients with symptoms after acute pulmonary thromboembolism

Jose Belda Ramirez (Valencia, Spain), Maria Luisa Nieto Cabrera, Paula Pla Rodríguez

Competing risks analysis of recurrent venous thromboembolism (VTE) and bleeding on anticoagulation in patients with cancer-associated VTE

Francis Coutraud (Brest, France), David Simon, Raphael Le Mao, Leela Raj, Benjamin Espinasse, Claire De Moreuil, Cécile Tromeur, Marie Guégan, Elise Poulhazan, Emmanuelle Le Moigne, Karine Lacut, Christophe Leroyer, Isabelle Mahé, Emmanuel Nowak

Circulating, extracellular vesicle-associated tissue factor in cancer patients with and without venous thromboembolism

Valentina Lami (Pisa, Italy), Roberta Pancani, Andrea Sbrana, Tommaso Neri, Chiara Boccaccio, Alessandro Cipriano, Mario Gattini, Alessandro Celi, Dario Nieri

Risk factors for hospital outcomes in pulmonary embolism: a retrospective cohort study.

Giorgia Lüthi-Corridori (Liestal, Switzerland), Maria Boesing, Cedrine Kueng, Stéphanie Giezendanner, Munachimso Kizito Mbata, Anne Barbara Leuppi-Taegtmeier, Philipp Schuetz, Joerg Daniel Leuppi

Particularities of Pulmonary embolism in young adults

Manel khedhri (beja, Tunisia), Haifa Zaibi, Khouloud Chaabi, Emna Ben Jemia, Ella Nemsy, Jihen Ben Amar, Hichem Aouina

Sex differences in venous thromboembolism risk and outcomes after COVID-19: a population-based retrospective cohort study

Jason Weatherald (Edmonton, Canada), Grace Y. Lam, Michael K. Stickland, Chuan Wen, Ron W. Damant, Maeve P. Smith, Lesley Jj. Soril, Zuying Zhang, Adam G. D'Souza, Elissa Rennert-May, Jenine Leal

Covid-19 infection and chronic thromboembolic pulmonary disease: screening role of transthoracic echocardiography 2 years after hospitalization for interstitial pneumonia

Giuseppe Paciocco (Monza (MI), Italy), Marta Tundo, Andrea Lombi, Chiara Milano, Martina Messa, Lorenzo Volpiano, Riccardo Ripamonti, Paola Alfieri, Giulia Pittalis, Fabrizio Luppi, Paola Faverio

Cardiopulmonary complications after pulmonary thrombosis (PT) in COVID-19.

Joaquín María Martínez Menéndez (Oviedo, Spain), Alberto Alonso Fernández, Carla Suárez Castillejo, Nuria Toledo Pons, Francisco De Borja García-Cosío Piqueras, Luisa Ramon Clar, Belén Núñez Sánchez, Néstor Calvo Rado, Luminita Noje Noje, Jaume Pons Llinas, Antonieta Bellesteros Vizoso, Paula Argente Del Castillo Rodriguez, Daniel Morell Garcia, Luisa Martin Pena, Juan A Palmer Sancho, Jaume Sauleda, Ernest Sala

Pulmonary thrombosis (PT) in patients with covid-19 pneumonia: is it pulmonary thromboembolism or thrombosis in situ?

Carla Suarez Castillejo (Palma de Mallorca, Spain), Nestor Calvo, Aina Millan, Nuria Toledo, Amanda Iglesias, Joaquin Maria Martinez, Luminita Preda, Luisa Ramon, Danieal Morell, Josep Miquel Bauça, Belen Nuñez, Jaume Sauleda, Ernest Sala-Llinás, Alberto Alonso

Is acute pulmonary embolism a predictor of Post COVID-19 syndrome ?

Mariem Friha (Ariana, Tunisia), Hajer Racil, Mariem Chaabane, Sarra Mazaoui, Ameny Touil, Sonia Habibeche, Nawel Chaouch

Diagnostic Performance of Clinical Probability Scores for Pulmonary Embolism in COVID

Haifa Zaibi (Tunis, Tunisia), Khouloud Chaabi, Henda Ouertani, Safia Othmani, Emna Ben Jemia, Jihen Ben Amar, Hana Hedhli, Hichem Aouina

Late Breaking Abstract - Development and validation of machine learning model for automatically predicting acute pulmonary embolism in-hospital patients

Ji-Eun Park (Suwon-si, Republic of Korea), Sangchul Hahn, Young Sam Kim, Hyun Ah Lee, Ji Won Park, Kyung Soo Chung

PS-2 in poster area

Session

08:00 - 09:30

Poster session: New features and outcomes of chronic obstructive pulmonary disease

Disease(s) : Airway diseases Pulmonary vascular diseases Interstitial lung diseases Respiratory critical care

Method(s) : Physiology General respiratory patient care Pulmonary function testing Pulmonary rehabilitation Imaging Epidemiology

Chairs : Camille Rolland-Debord (clermont-ferrand, France)

Tobacco-associated lung microangiopathy in symptomatic smokers without chronic obstructive pulmonary disease: A randomized, double-blinded and controlled clinical trial with Sildenafil.
Paulo Müller (Campo Grande (MS), Brazil), Tiago Augusto, Gisele Barbosa, Ricardo Gass, Danilo Berton, Leandro Goelzer

THE IMBALANCE BETWEEN SUBPOPULATIONS OF REGULATORY T (TREG) CELLS AT DIFFERENT STAGES OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD)
Fernanda Degobbi Tenorio Quirino dos Santos Lopes (São Paulo (SP), Brazil), Luan Henrique Vasconcelos Alves, Juliana Tiyaki Ito A, Luana Mendonça De Oliveira, Iolanda Lopes Calvo Tibério, Rafael Stelmach, Maria Notomi Sato

Influence of lung hyperinflation on the acceleration of the aging of the oxygen transport chain in COPD patients
Mohamed Bougrida (Constantine, Algeria), Mahdi Martani, Mohamed Kheireddine Bourahli, Naouel Chibout, Helmi Bensaad

Amount of physical activity and pulmonary rehabilitation in patients with COPD
Yu Liu (shanghai, China), Kai Zhang, Huaqi Guo, Cuixia Zheng

Lung physiology and 129Xe MRI data driven clustering of patients with asthma and/or COPD
Helen Marshall (Sheffield (South Yorkshire), United Kingdom), Alberto Biancardi, Laurie Smith, Guilhem Collier, Ho-Fung Chan, Paul Hughes, Martin Brook, Joshua Astley, Ryan Munro, Smitha Rajaram, Andy Swift, Dave Capener, Jody Bray, Jimmy Ball, Olly Rodgers, Demi Jakymelen, Ian Smith, Bilal Tahir, Madhwesha Rao, Graham Norquay, Nick Weatherley, Leanne Armstrong, Latife Hardaker, Titti Fihn-Wikander, Rod Hughes, Jim Wild

Exercise Oscillatory Breathing in patients with coexisting chronic obstructive pulmonary disease and Heart Failure
Cássia Goulart (São Carlos, Brazil), Rebeca Nunes Silva, Piergiuseppe Agostoni, Frits Franssen, Jonathan Myers, Ross Arena, Audrey Borghi-Silva

Postural balance assessment in fallers individuals with COPD before and after physical effort
Caroline Maschio de Censo (São Paulo, Brazil), Viviane Vieira Passini, Bárbara Aparecida Teodoro Alcantara Verri, Regina Maria De Carvalho Pinto, Rafael Stelmach, Rafaela Fagundes Xavier, Geraldo Lorenzi-Filho, Celso Ricardo Fernandes De Carvalho

Mortality in COPD Patients – Long-term Follow-up and Outcomes
Roman Kalinov (Plovdiv, Bulgaria), Blagoi Marinov, Georgi Belev, Spas Kitov, Vladimir Hodzhev, Stefan Kostianev

Association of testosterone with lung function in patients with chronic obstructive lung disease
Abir Hedhli Ep Cherni (tunis, Tunisia), Nourelhouda Khézami, Azza Slim, Hajtaeib Sonia, Khadija Echi, Sana Cheikhrouhou, Yassine Ouahchi, Sonia Toujani, Mariem Mjid, Bisma Dhahri

Differences in cardiopulmonary exercise test outcomes between asthma-COPD overlap and COPD alone
Alex Jenkins (Nottingham (Nottinghamshire), United Kingdom), Jaycie Triandafilou, Wan Tan, Jean Bourbeau, Dennis Jensen

The impact of overweight on the quality of life of patients with COPD GOLD III
Nadiia Korzh (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Galyna Korzh, Oleksandr Varunkiv, Iryna Savelikhina, Mariana Kulynych-Miskiv, Kostiantyn Shvets, Iryna Makoida, Olga Melnyk-Sheremeta

Triaxial accelerometer-derived nighttime postural changes do not differ among smokers with and without COPD, and never smokers
Alessandra Adami (Kingston, United States), Jakob Melone, Robert A. Calmelat, Richard Casaburi, Harry B. Rossiter

Gait differences between adults with COPD and healthy controls: systematic review and meta-analyses
Joren Buekers (Barcelona, Spain), Laura Delgado Ortiz, Dimitrios Megaritis, Ashley Polhemus, Nikolaos Chynkiamis, Sara C. Buttery, Sofie Breuls, Sarah Koch, Elena Gimeno-Santos, Heleen Demeyer, Nick S. Hopkinson, Ioannis Vogiatzis, Thierry Troosters, Anja Frei, Judith Garcia-Aymerich

Respiratory morbidity and exacerbations in patients with COPD diagnosed with the fixed ratio and the lower limit of normal
Aslı Görek Dilektaşlı (Bursa, Turkey), Busra Yigitliler, Nilufer Ozturk, Funda Coskun, Esra Uzaslan, Mehmet Karadag

Differences between interpretation strategies of lung function tests in alpha-1 antitrypsin deficiency patients
Diana Sofia Moreira Sousa (Santo Tirso, Portugal), Diogo Ferreira, Ricardo Lima, Raquel Marçôa, Fernanda Rodrigues, Miguel Guimarães

Correlation between spirometry and diaphragmatic excursions by ultrasonography in COPD patients and developing a prediction formula of FEV1

Jacob Baby (rochester, United Kingdom), Anjaly Chandrakumar

Impact of simulated obstructive apneas on sympathetic drive in COPD patients.

Jens Spiesshoefer (Aachen, Germany), Binaya Regmi, Faniry Ratsimba, Benedikt Jörn, Mehdi Senol, Oscar Gorol, Mustafa Elfeturi, Lukas Niekrenz, Ayham Daher, Vaughan Macefield, Michael Dreher

Greater Enrichment of Biological Pathways in Circulating Extracellular Vesicles of Controls than COPD Following Exercise

Asghar Abbasi (Torrance, United States), Elizabeth Hutchins, Bessie Meechoovet, Megan Hall, Krystine Garcia-Mansfield, April Soriano, Robert Calmelat, Carrie Ferguson, Kendall Jensen, Patrick Pirrotte, Janos Porszasz, Richard Casaburi, William Stringer, Harry Rossiter

Emphysema Severity Index (ESI): a novel spirometry-derived parameter in patients with COPD

Luca Paita (Barga, Italy), Letizia Dal Bosco, Greta Insalata, Matteo Paoletti, Mariaelena Occhipinti, Gianna Camiciottoli, Massimo Pistolesi, Federico Lavorini

Assessment of five-year emphysema progression in the COPDGene study by Emphysema Severity Index (ESI), a novel spirometry-derived parameter

Massimo Pistolesi (Firenze (FI), Italy), Matteo Paoletti, Mariaelena Occhipinti, Federico Lavorini, Elizabeth A Regan, David A Lynch, Edwin K Silverman, James D Crapo

PS-5 in poster area

Session

08:00 - 09:30

Poster session: Precision medicine and novel biomarkers in lung disease**Disease(s) :** Airway diseases Thoracic oncology Interstitial lung diseases**Method(s) :** Cell and molecular biology Physiology Public health General respiratory patient care**Chairs :** Janine Gote-Schniering (Bern, Switzerland), Chair to be confirmed**Epithelial to mesenchymal transition (EMT) changes in patients with non-small cell lung cancer (NSCLC)**

Wenying Lu (Newnham, Australia), Collin Chia, Josie Larby, Greg Haug, Ashutosh Hardikar, Gurpreet Kaur Singhera, Tillie L. Hackett, Iain Robertson, Mathew Suji Eapen, Sukhwinder Singh Sohal

Proteomic analysis in idiopathic pulmonary fibrosis with presence of anti-modified protein antibodies

Dimitrios Kalafatis (Stockholm, Sweden), Vijay Joshua, Monika Hansson, Linda Mathsson-Alm, Linda Elowsson, Gunilla Westergren-Thorsson, Aase Hensvold, Magnus Sköld

Comparison of extracellular vesicle-associated tissue factor between acute exacerbators and stable patients with chronic obstructive pulmonary disease

Miriam De Francesco (Pisa, Italy), Roberta Gaeta, Camilla Morani, Mariapia Niceforo, Marta Daniele, Erica Bazzan, Mariella De Santis, Marianna Minniti, Alessandro Congedo, Ilaria Berardi, Alberto Papi, Alessandro Celi, Tommaso Neri, Dario Neri

Usefulness of RE-LYMP and AS-LYMP parameter in diagnosis of COVID-19 and sarcoidosis patients.

Elżbieta Rutkowska (Warsaw, Poland), Agata Raniszewska, Iwona Kwiecień, Karina Jahnz- Różyk, Piotr Rzepecki, Andrzej Chciałowski

Olfactomedin-4 correlates with sputum neutrophil protease activity and clinical markers of active inflammation in adult bronchiectasis: Data from the EMBARC-BRIDGE study

Emma Johnson (Paisley (Renfrewshire), United Kingdom), Megan Crichton, Holly R Keir, Merete Long, Morven Shuttleworth, Erin Cant, Miguel Barbosa, Anthony De Soya, Katerina Dimakou, Michal Shteinberg, Arietta Spinou, Felix Ringshausen, Natalie Lorent, Pieter Goeminne, Michael Loebinger, Sanjay Chotirmall, Raja Dhar, Charles Haworth, Josje Altenburg, Francesco Blasi, Tobias Welte, Oriol Sibilia, Stefano Aliberti, Amelia Shoemark, James D Chalmers

Assessment of humoral immune function in chronic obstructive pulmonary disease (COPD) patients

Zil Patel (Ottawa, Canada), Shawn Aaron, Vanessa Luks, William Cameron, Sunita Mulpuru, Juthaporn Cowan

Proteinase 3 as a marker of clinical severity in bronchiectasis: Data from the EMBARC-BRIDGE study

Emma Johnson (Paisley (Renfrewshire), United Kingdom), Megan L Crichton, Holly R Keir, Merete Long, Morven Shuttleworth, Erin Cant, Anthony De Soya, Katerina Dimakou, Michal Shteinberg, Arietta Spinou, Felix Ringshausen, Natalie Lorent, Pieter Goeminne, Michael Loebinger, Sanjay Chotirmall, Raja Dhar, Charles Haworth, Josje Altenburg, Francesco Blasi, Tobias Welte, Oriol Sibilia, Stefano Aliberti, Amelia Shoemark, James D Chalmers

Sphingolipids contribute to sex-specific differences in COPD pathologies

Elisabetta Granato (Naples, Italy), Ida Cerqua, Giuseppina Rea, Fiorentina Roviezzo, Francesca Polverino

Plasma inflammatory proteins and transcriptome profiles of neutrophils in COPD patients with PiMM and PiZZ alpha1-antitrypsin treated or non-treated with augmentation therapy

Urszula Lechowicz (Warsaw, Poland), Aneta Zdral, Adriana Rozy, Adam Szepechinski, Beatriz Martinez-Delgado, Beata Olejnicka, Sabina Janciauskiene, Joanna Chorostowska-Wynimko

Collagen Remodelling in COPD: A new paradigm

Alex Chia Wei Kong (SOUTHAMPTON (Hampshire), United Kingdom), Tom Havelock, Cosma Mirella Spalluto, Ashley Heinson, Graham Belfield, Maria Belvisi, Damla Etal, Daniel Muthas, Lisa Oberg, Adam Platt, Karl Staples, Kristoffer Ostridge, Tom Wilkinson

TGF- β 1, pSmad-2/3, Smad-7, and β -catenin are augmented in IPF pulmonary arteries: potential role in driving endothelial to mesenchymal transition (EndMT)

Wenying Lu (Newnham, Australia), Archana Vijay Gaikwad, Collin Chia, Josie Larby, Greg Haug, Surajit Dey, Prem Bhattacharai, Jade Jaffar, Glen Westall, Gurpreet Kaur Singhera, Tillie L. Hackett, Mathew Suji Eapen, Sukhwinder Singh Sohal

Biomarkers of autoimmune processes in COPD.

Gulchekhra Tashmetova (Tashkent, Uzbekistan), Irina Liverko

Characterization of the immunophenotype of circulating neutrophils in bronchiectasis

Evangelia Koukaki (SALAMINA, Greece), Efthymia Theofani, Nikolaos Paschalidis, Georgina Xanthou, Nikolett Rovina

The association of the expression of programmed cell death ligand 1 (PD-L1) in dendritic cells (DCs) and its subtypes with chronic obstructive pulmonary disease (COPD) phenotypes

Kuan-Yuan Chen (New Taipei City, Taiwan), Kang-Yun Lee, Po-Hao Feng

Immunohistochemical analysis in biopsies from patients with COPD.

Marcos Páramo Pérez (Ciudad de México, Mexico), Robinson Robles Hernández

Piezo expression and function in airway smooth muscle in chronic obstructive pulmonary disease.

Nataliya Migulina (Groningen, Netherlands), Theo Borghuis, Ben Roos, Wim Timens, Christina Pabelick, Corry-Anke Brandsma, Janette Burgess, Y.S. Prakash

Distinct Lung miRNAs Are Associated with the Control of Cell Proliferation in NSCLC and COPD

Renata Esposito (Caserta, Italy), Davida Mirra, Giuseppe Spaziano, Francesca Polverino, Bruno D'Agostino

Comprehensive analysis of bronchoalveolar lavage fluid by validating ELISA and MSD systems for 22 biomarkers

Saskia Carstensen (Hannover, Germany), Jens M. Hohlfeld, Meike Müller

Extensive biomarker analysis in a European cohort study of patients suffering from COVID-19: a perspective from the DRAGON consortium

Julien Guiot (Liège, Belgium), Marie Ernst, Nathalie Maes, Monique Henket, Anna Peired, Benoit Ernst, Sara Tomassetti, Etienne Cavalier

A plasma biomarker of neutrophilic activity correlates with COPD severity

Mugdha M. Joglekar (Groningen, Netherlands), Jannie M. B. Sand, Diana J. Leeming, Frank Klont, Russell P. Bowler, Barbro N. Melgert, Simon D. Pouwels, Janette K. Burgess

PS-11 in poster area

Session

08:00 - 09:30

Poster session: Development and treatment of severe asthma

Disease(s) : Airway diseases

Method(s) : Epidemiology General respiratory patient care Pulmonary function testing Cell and molecular biology Physiology Imaging

Chairs : Carmen Cornelia Maria de Jong (Stettlen, Switzerland), Eckard Hamelmann (Bielefeld, Germany)

Severe asthma (SA) in children: data from the Italian society for paediatric respiratory diseases (SIMRI) database

Silvia Carraro (Padova (PD), Italy), Michele Piazza, Francesco Carella, Bianca Cinicola, Anna Del Colle, Maria Elisa Di Cicco, Valentina Fainardi, Grazia Fenu, Simone Fontijn, Michele Ghezzi, Mattia Giovannini, Ahmad Kantar, Amelia Licari, Sara Manti, Angelo Mazza, Raffaella Nenna, Antonio Augusto Niccoli, Marta Piotto, Massimiliano Raso, Laura Tenero, Chiara Trincianti, Andrea Francavilla, Franca Rusconi

PEDIATRIC SEVERE ASTHMA: HIGH-RESOLUTION CT FEATURES

Amelia Licari (Pavia (PV), Italy), Maria De Filippo, Salvatore Fasola, Martina Votto, Maria Sole Prevedoni Gorone, Gian Luigi Marseglia, Stefania La Grutta

A real-life study on children with severe asthma starting biologicals: results of the PANDA study

Yoni Van Dijk (Badhoevedorp, Netherlands), Milou A. Brandsen, Simone Hashimoto, Niels Rutjes, Kornel Golbski, Frederique Vermeulen, Suzanne Terheggen-Lagro, Bart Van Ewijk, Anke-Hilse Maitland-Van Der Zee, Susanne Vijverberg

Association between airway dimension, the clinical severity of bronchiolitis and the development of pre-school wheezing

Greta Di Mattia (Roma (RM), Italy), Laura Petrarca, Enrica Mancino, Luigi Matera, Maria Giulia Conti, Silvia Bloise, Antonella Frassanito, Domenico Paolo La Regina, Elio Iovine, Margherita Di Jorgi, Enea Bonci, Raffaella Nenna, Fabio Midulla

Asthma exacerbations in severe asthmatic children: Association with clinical scores, FeNO and lung function.

María Belen Lucero (CABA, Argentina), Gabriela Peláez, Verónica Aguerre, Juan Manuel Figueroa, Verónica Giubergia

Mepolizumab in children and adolescents with severe eosinophilic asthma not eligible for Omalizumab: a single centre experience

Yu Ting Lim (Glasgow, United Kingdom), Thomas Williams, Ross Langley, Elise Weir

Ezrin: potential biomarker of airway epithelial repair and wheeze morbidity in children

Thomas Iosifidis (Perth (WA), Australia), Ingrid Laing, Andre Schultz, Joseph Ho, Alphons Gwatimba, Siew-Kim Khoo, Sherlynn Ang, Peter Le Souef, Yuliya Karpievitch, Anthony Kicic, Stephen Stick

The soluble form of the receptor for advanced glycation end products (sRAGE) in infants with first and recurrent episodes of wheezing in correlation with lung ultrasound findings

Sirma Mileva (Sofia, Bulgaria), Gergana Petrova, Polina Kostova, Snezhina Mihailova, Venelin Alexiev

Dupilumab improves lung function responder rates in children with type 2 asthma in the VOYAGE study

Theresa Guilbert (Cincinnati, United States), Alessandro G. Focchi, Kevin R. Murphy, Eckard Hamelmann, Kristie Ross, Atul Gupta, Changming Xia, Rebecca Gall, Olivier Ledanois, Amr Radwan, Juby A. Jacob-Nara, Paul J. Rowe, Yamo Deniz

Long-term dupilumab effect on lung function in paediatric patients with uncontrolled asthma

Leonard Bacharier (Nashville, United States), Theresa W. Guilbert, Adnan Custovic, Arman Altincatal, Olivier Ledanois, Rebecca Gall, Harry Sacks, Juby A. Jacob-Nara, Yamo Deniz, Paul J. Rowe

A retrospective multi-center chart review study on the timely administration of systemic corticosteroids in children with moderate-to-severe asthma exacerbations

Luna Antonino (Edegem, Belgium), Eva Goossens, Josefien Van Olmen, Ann Bael, Johan Hellinckx, Isabelle Van Ussel, An Wouters, Tjil Jonckheer, Tine Martens, Sascha Van Nuijs, Carolin Van Rossem, Yentl Driesen, Nathalie Jouret, Eva Ter Haar, Sabine Rozenberg, Els Vanderschaeghe, Suzanne Van Steijn, Stijn Verhulst, Kim Van Hoorenbeeck

Factors associated with severe asthma exacerbation in children

Mohamed aymen Jebali (tunis, Tunisia), Sabrine Louhaichi, Synda Derouiche, Siwar Rejeb, Farah Garci, Hounaida Ben Zekri, Jamel Ammar, Bisma Hamdi, Agnes Hamzaoui

Comparing functional surrogacy in the upper and lower airway epithelium

Thomas Iosifidis (Perth (WA), Australia), Ingrid Laing, Alphons Gwatimba, Joseph Ho, Eda Pui, Loanne Harrison, Rebecca Watkinson, Samuel Montgomery, Kevin Looi, Siew-Kim Khoo, Peter Le Souef, Yuliya Karpievitch, Stephen Stick, Anthony Kicic

Elevated Neutrophil-to-Lymphocyte ratio is associated with severe asthma exacerbation in children

Noga Arwas (Beer Sheva, Israel), Sharon Uzan Shvartzman, Aviv Goldbart, Romi Bari, Itay Hazan, Amir Horev, Inbal Golan Tripto

Blood hypereosinophilia in childhood asthma: impact on disease severity

Siwar Rejeb (tunis, Tunisia), Hamdi Bisma, Jebali Aymen, Derouich Synda, Garci Farah, Ammar Jamel, Louhaichi Sabrine, Agnès Hamzaoui

Adherence to inhaled steroids in children on asthma biologics; prescription uptake for inhaled steroids in children treated with asthma biologic therapy.

Susan Frost (Birmingham (West Midlands), United Kingdom), Laura Morris, Leanne Illife, Isobel Brookes, Benjamin Davies, Priti Kenia, Satish Rao, Prasad Nagakumar

Predicting aerosol deposition in children with severe asthma and small airways disease

Hettie M. Janssens (Rotterdam, Netherlands), Wytse van den Bosch, E.J. Ruijgrok, H.A.W.M. Tiddens

Portable oscillometry in preschool children attending the Emergency Department with wheezing

Senali Y Seneviratne (Leicester, United Kingdom), Saxon Law-Gleen, Damian Roland, Erol Gaillard

Impedance and spirometry measurements compared in paediatric outpatients with recurrent respiratory symptoms

Maria Cristina Mazzuca (roma, Italy), Giorgia Raponi, Sara Mascambroni, Carla Trovato, Melania Evangelisti, Maria Alejandra Valderrama, Pasquale Parisi, Mario Barreto

Dupilumab reduces systemic corticosteroid exposure in children with uncontrolled moderate-to-severe asthma regardless of prior exacerbations

Eckard Hamelmann (Bielefeld, Germany), Antoine Deschildre, Francine M. Ducharme, Lawrence D. Sher, Ines De Mir, Changming Xia, Rebecca Gall, Olivier Ledanois, Juby A. Jacob-Nara, Harry Sacks, Paul J. Rowe, Yamo Deniz

PS-20 in poster area

Session

08:00 - 09:30

Poster session: Deep learning, new technologies and biomarkers in imaging**Disease(s) :** Airway diseases Interstitial lung diseases Pulmonary vascular diseases**Method(s) :** Imaging Pulmonary function testing Epidemiology**Chairs :** Chair to be confirmed**Deep learning enables non-invasive estimation of mean pulmonary arterial pressure from PREFUL-MRI**

Maximilian Zubke (Hannover, Germany), Marius Wernz, Till F Kaireit, Tawfik Moher Alsady, Andreas Voskrebenev, Robin A Mueller, Karen M Olsson, Frank Wacker, Marius M Hoeper, Jens Vogel-Claussen

Correlation between ventilation heterogeneity and virtual scintigraphy through Functional Respiratory Imaging (FRI)

Hosein Sadafi (Kontich, Belgium), Maarten Lanclus, navid Monshi Tousi, Stijn Bonte, Jan De Backer

CT-based assessment of alveolar collapse using attenuation histograms in inspiration and expiration: Evaluation as a prognostic imaging marker in IPF patients

Sarah Scharm (Hannover, Germany), Cornelia Schaefer-Prokop, Anton Schreuder, Jonathan Ehmgig, Jan Fuge, Frank Wacker, Antje Prasse, Hoen-Oh Shin

PCD-AID: artificial intelligence diagnosis of primary ciliary dyskinesia

Mathieu Bottier (London, United Kingdom), Andreia Lucia Do Nascimento Pinto, Britt J Van Akker, Oliver Hamilton, Ioannis Katramados, Amelia Shoemark, Claire Hogg, Thomas Burgoyne

Increased volume of pulmonary veins on CT associates independently with higher mortality in smokers with and without COPD

Tjeerd van der Veer (Amsterdam, Netherlands), Anastasia Kimberley Ay-Lan Kwee, Leticia Gallardo Estrella, Elrozy R. Andrinopoulou, Jean Paul Charbonnier, Stephen M. Humphries, Pim A. De Jong, David A. Lynch, Harm A. W. M. Tiddens, Esther Pompe

Dynamic chest radiography evaluation of the effects of tiotropium/olodaterol combination therapy in COPD: EMBODY study protocol

Jun Ikari (Chiba, Japan), Megumi Katsumata, Takuro Imamoto, Yuri Suzuki, Akira Nishiyama, Hajime Yokota, Yoshihito Ozawa, Eiko Suzuki, Naoko Kawata, Seiichiro Sakao, Koichiro Tatsumi, Takuji Suzuki

The comparison of quantitative CT features of COPD and pre-COPD: results from a real-life study

Selin Ercan (Izmir, Turkey), Aylin Ozgen Alpaydin, Ali Canturk, Emre Ruhat Avci, Saliha Selin Ozuygur Ermis, Gozde Tokatli, Gökçen Ömeroglu Simsek, Pinar Balcı, Naciye Sinem Gezer

Multisite implementation of 129Xe-MRI assessment of COPD disease progression: XeCITE early results

Laura C. Bell (South San Francisco, United States), Alexandre Fernandez Coimbra, Yixuan Zou, Colin Dimond, Jaime Mata, John Muglar, Yun Michael Shim, David Mummy, Bastiaan Driehuys, Yuh-Chin Huang, Peter Niedbalski, Mario Castro, Yonni Friedlander, Norm Konyer, Sarah Svenningsen, Parameswaran Nair, Terence Ho, Andrew Hahn, Sean Fain, Eric A. Hoffman, Guilhem J. Collier, Jim M. Wild, Robert Thormen, Talissa Altes, Paula Belloni

CT-quantified pulmonary artery volume associates independently with higher mortality in smokers with and without COPD

Tjeerd van der Veer (Amsterdam, Netherlands), Anastasia Kimberley Ay-Lan Kwee, Leticia Gallardo Estrella, Elrozy R. Andrinopoulou, Jean Paul Charbonnier, Stephen M. Humphries, Pim A. De Jong, David A. Lynch, Harm A. W. M. Tiddens, Esther Pompe

Quantitative computed tomography assessment of pulmonary structure in cannabis smokers

sukhraj virdee (georgetown, Canada), James Hogg, Jean Boudreau, Wan Tan, Miranda Kirby

Can tracheobronchial tree and luminal descriptors be used as objective imaging biomarkers in COPD?

Rodrigo Nava (Cambridge, United Kingdom), François-Xavier Blé, Cosma Mirella Spalluto, Karl Staples, Tom Wilkinson, Kristoffer Ostridge

Computational fluid dynamics analysis of computed tomography images in asthma

So Ri Kim (Jeonju, Republic of Korea), Nguyen Quoc Hung, Kum Ju Chae, Gong Yong Jin, Sanghun Choi

Machine learning applied to chest x-rays to support the diagnosis of pulmonary tuberculosis

Marcelo Fouad Rabahi (Goiânia (GO), Brazil), Poliana Parreira, Afonso Fonseca, Fabrizio Soares, Marcus Barreto Conte

Effect of benralizumab on small airway dysfunction using functional respiratory imaging in patients with severe eosinophilic asthma

Lennart Conemans (Maastricht, Netherlands), Mieke Crutsen, Wendel Dierckx, Sami Simons, Martijn Spruit, Bitu Hajian

Imaging of human airways by endoscope-compatible dynamic microscopic optical coherence tomography

Cornelia Holzhausen (Lübeck, Germany), Hinnerk Schulz-Hildebrandt, Martin Ahrens, Klaus Rabe, Heike Biller, Mustafa Abdo, David Ellebrecht, Sönke Von Weihe, Christoph Fraune, Stefan Steurer, Gereon Hüttmann, Peter König

Use of dynamic chest radiographic measurements to estimate total lung capacity in patients with respiratory disease

Fred Fyles (Liverpool, United Kingdom), Ryan Robinson, Thomas Fitzmaurice, Rachel Burton, Amy Nuttall, Ram Bedi, Hassan Burhan

Differentiating diffuse cystic lung disease and emphysema cases from normal using Artificial Intelligence

Katie Noonan (Wicklow, Ireland), Ronan Hearne, Brian Gaffney, Brian Sheehy, Niall Mcveigh, Yasuhito Sekimoto, Ali Ataya, Nishant Gupta, Francis McCormack, Raphaël Borie, Francesco Bonella, David Murphy, Kathleen Curran, Cormac McCarthy

Utilising computer vision artificial intelligence to identify defects in airway ciliary motility and mucociliary clearance

Mathieu Bottier (London, United Kingdom), Andreia Lucia Do Nascimento Pinto, Emily Howieson, Britt J Van Akker, Oliver Hamilton, Ioannis Katramados, Jane Davies, Amelia Shoemark, Claire Hogg, Thomas Burgoyne

Bioradiomic SPECT-CT quantification of active lung inflammation is influenced by heterogeneity of lung tissue

Benjamin Welham (Whitchurch, United Kingdom), Michael Bennett, Kristoffer Ostridge, Matthew Guy, Clint Zvavamwe, Francis Sundram, Tom Wilkinson

Using CT to detect large airway collapse in severe asthma: worth the extra effort?

Wei Ling Chia (London, United Kingdom), James Hull, David Watchorn

PS-18 in poster area

Session

08:00 - 09:30

Poster session: Sarcoidosis: disease mechanisms and pathogenesis

Disease(s) : [Interstitial lung diseases](#)

Method(s) : General respiratory patient care Cell and molecular biology Pulmonary function testing Endoscopy and interventional pulmonology Epidemiology

Chairs : Marcel Veltkamp (De Meern, Netherlands), Natalia V. Rivera (Stockholm, Sweden)

How informed are patients with pulmonary sarcoidosis about their disease?

Michael Kreuter (Heidelberg, Germany), Katharina Buschulte, Philipp Höger, Claudia Ganter, Marlies Wijsenbeek, Nicolas Kahn, Katharina Kriegsmann, Finn Moritz Wilkens, Bernd Stachetzki, Markus Polke, Sarah El-Hadi, Christoph Lederer, Felix Herth

T follicular helper cell subsets in sarcoidosis patients: a comparison between three anatomical compartment.

Matteo Fanetti (Siena, Italy), Miriana D'Alessandro, Sara Gangi, Laura Bergantini, Fabrizio Mezzasalma, Vittoria Ventura, Sara Croce, Gaia Fabbri, Giusy Montuori, Marco Spalletti, Marta Abbritti, Stefano Baglioni, Paolo Cameli, Elena Bargagli

Late Breaking Abstract - HLA-DR immunopeptidomics on cells from bronchoalveolar lavage

Benedikt Zöhrer (Stockholm, Sweden), Ákos Végvári, Johan Grunewald, Åsa M. Wheelock

T helper and T cytotoxic cells subsets in peripheral, alveolar and lymph nodes of sarcoidosis patients

Maddalena Messina (Siena, Italy), Miriana D'Alessandro, Sara Gangi, Laura Bergantini, Fabrizio Mezzasalma, Magda Viani, Marco Guerrieri, Lucia Cassai, Elena Pordon, Sara Croce, Marta Abbritti, Stefano Baglioni, Paolo Cameli, Elena Bargagli

CD4+ T cells from EBUS/TBNA samples express different immunomodulatory molecules in patients with sarcoidosis.

Agata Raniszewska (Warszawa, Poland), Elżbieta Rutkowska, Iwona Kwiecień, Piotr Miklusz, Karina Jahnz-Różyk, Piotr Rzepecki

RESPISAM: Type 1 inflammation biomarkers from bronchial mucosal lining fluid in parenchymal versus nodal sarcoidosis.

Osman Hatem (London, United Kingdom), Hannah Jarvis, Ryan Thwaites, Kavina Manalan, Tanushree Tunstall, Joan Nanan, Mica Tolosa-Wright, Ishita Marwah, Ak Reuschl, Trevor Hansel, Ajit Lalvani, Onn Min Kon

Alveolar nitric oxide concentration as a potential biomarker of fibrosis in pulmonary sarcoidosis: a pilot study

Stefano Levra (Moncalieri, Italy), Fabiana Giannoccaro, Maria Chernovsky, Francesca Bertolini, Vitina Carriero, Elisa Arrigo, Flavio Crosa, Paolo Carlo Ghio, Giuseppe Guida, Fabio Luigi Massimo Ricciardolo

CD56dimCD16bright in peripheral blood, lung lymph node and bronchoalveolar lavage from sarcoidosis patients
Vittoria Ventura (Siena, Italy), Lucia Cassai, Elena Pordon, Sara Gangi, Laura Bergantini, Fabrizio Mezzasalma, Baglioni Stefano, Marta Abbritti, Elena Bargagli, Miriana D'Alessandro

Retrospective analysis of BeLPT over 20 years

Louis Armand Jouanjan (Freiburg, Germany), Charlott Terschluse, Gernot Zissel, Caroline Quartucci, Joachim Müller-Quernheim, Daiana Stolz, Björn Christian Frye

Defining serum TNF- α concentration related endotype of sarcoidosis- A Polish real-life retrospective observational study

Anna Goljan Geremek (Warszawa, Poland), Piotr Radzinski, Elzbieta Puscinska, Urszula Demkow

Change in bone mineral density in Danish patients with sarcoidosis

Janne Møller (Skanderborg, Denmark), Lars Rejnmark, Elisabeth Bendstrup

Evaluation of Xpert MTB/RIF Ultra in differentiating tuberculosis from sarcoidosis in patients with mediastinal lymphadenopathy

Sahajal Dhooira (Chandigarh, India), Kusum Sharma, Inderpaul Singh Sehgal, Ritesh Agarwal, Ashutosh Nath Aggarwal

Is the internet a sufficient source of information on Sarcoidosis?

Michael Kreuter (Heidelberg, Germany), Katharina Buschulte, Philipp Höger, Claudia Ganter, Marlies Wijsenbeek, Nicolas Kahn, Katharina Kriegsmann, Finn Moritz Wilkens, Felix Herth

An analysis of seasonality of sarcoidosis in Turkey

Emre Yanardag (Istanbul, Turkey), Muammer Bilir, Cuneys Tetikkurt, Halil Yanardag

PD-1/TIGIT axis: a novel therapeutic target?

Sara Gangi (Siena, Italy), Simona Luzzi, Laura Bergantini, Paolo Cameli, Elena Bargagli, Miriana D'Alessandro

Transcriptional and functional characterization of TCR V α 2.3+V β 22+ CD4+ T cells that accumulate in the lungs of sarcoidosis patients with Löfgren's syndrome

Avinash Padhi (Stockholm, Sweden), Jeanette Grundström-Heiniö, Michael Falta, Andrew Fontenot, Atif Shaikh, Susanna Kullberg, Johan Grunewald, Anna Smed-Sörensen

Late Breaking Abstract - Transcriptomic profiling identifies pro-fibrotic macrophages under ferroptotic stress in silicosis

Christian Aloe (Bundoorra, Australia), Nicole Soo Leng Goh, Jonathan Mcqualter, Reshma Pujari, Rhoda Cameron, Julie Teague, Paris Papagianis, Simon Hall Apte, Brendan O'Sullivan, Ross Vlahos, Christine Faye McDonald, Ryan Francis Hoy, Daniel Charles Chambers, Tracy Li-Tsein Leong, Steven Bozinovski

Late Breaking Abstract - Tetradrine alleviates silica-induced pulmonary fibrosis through PI3K/AKT pathway

Qiao Ye (Beijing, China), Ruimin Ma, Xiaoxi Huang, Di Sun, Jingwei Wang, Changjiang Xue

Late Breaking Abstract - Targeting acid sphingomyelin/ceramide signaling to alleviate silica-induced pulmonary fibrosis

Qiao Ye (Beijing, China), Ruimin Ma, Di Sun, Jingwei Wang, Xiaoxi Huang, Na Wu

PS-9 in poster area

Session

08:00 - 09:30

Poster session: Monitoring in chronic airway disease (2)

Disease(s) : Airway diseases

Method(s) : Physiology Pulmonary function testing General respiratory patient care Public health Epidemiology

Chairs : Marieann Högman (Uppsala, Sweden)

Title: Prevalence and predictors of suboptimal PIFR in patients with COPD

Ashwini Chawhan (Mumbai, India), Lancelot Pinto, Bony Francis, Nisha Chandra Shekar, Dhara Thakrar

Assessing health Effects of air pollution by non-invasive exhaled breath analysis – baseline characteristics of the ALERT study

Laila Truyen (Wilrijk, Belgium), Stijn Verresen, Eline Galle, Jan Van Meerbeeck, Roeland Samson, Thérèse Lapperre, Kevin Lamote

A scoping review of co-creation practice in the development of non-pharmacological interventions for people with chronic obstructive pulmonary disease

Qingfan An (Umeå, Sweden), Marlene Sandlund, Danielle Agnello, Lauren McCaffrey, Sebastien Chastin, Ragnberth Helleday, Karin Wadell

Trends in lung transplantation in Spain. the influence of the pandemic of covid-19.

Katiuska Herminia Liendo Martinez (madrid, Spain), Stephany Ivonne Briones Alvarado, Crsithian Alonso Correa Gutierrez, Zichen Ji, Luis Puente Maestu, Javier De Miguel-Diez

Cluster analysis applied to 142 Algerian patients with COPD

Karim KHENNOUF (ALGIERS, Algeria), Abdelkarim Saadi, Souad Souilah, Yacine Benbetka, Samya Taright

Clinical significance of symptoms in smokers with preserved pulmonary function: a cross-sectional study

Allabyergyen Myeryemkhaan (Ulaanbaatar, Mongolia), Byambatseren Boldbaatar, Otgonjargal Gurragechaa, Amartuvshin Ganbold, Ichinnorov Dashtseren

Analysis of the relation between tidal and forced spirometric curves

Rob Hagmeijer (Enschede, Netherlands), Rutger Hebbink, Judith Elshof, Marieke Duiverman, Peter Wijkstra

The effectiveness of monitoring adherence to regular inhaled corticosteroid alone or in combination with a long-acting β 2-agonist using electronic methods: a narrative systematic review

Mohammed Almutairi (Birmingham, United Kingdom), John Marriott, Adel Mansur

Guideline-modified asthma control test (GmACT): improving monitoring of disease control

Enrico Schiavi (Roma, Italy), Maria Parmigiani, Francesca Cefaloni, Cristina Boccabella, Luca Richeldi, Matteo Bonini

Changes in obstruction classification using different interpretation strategies

Martijn Cuijpers (Roermond, Netherlands), Monique Hardy, Herman Jan Pennings

Lack of association between self-perceived social support and treatable traits in COPD patients with resident loved ones

Anna Stoustrup (Gandrup, Denmark), Daisy J.A. Janssen, Nienke Nakken, Emiel F.M. Wouters, Ulla M. Weinreich, Martijn A. Spruit

Defining restrictive spirometry and PRISm using LLN versus %pred: does it matter?

Caspar Schiffers (Vienna, Austria), Emiel F.M. Wouters, Tobias Lorenz Mraz, Marie-Kathrin Breyer, Otto C. Burghuber, Sylvia Hartl, Robab Breyer-Kohansal

Impulse oscillometry: a useful toll for the air trapping detection.

María Rodil Riera (LANGREO, Spain), Ramón Fernández Álvarez, Marta Íscar Urrutia, María José Vázquez López, Gemma Rubinos Cuadrado, Isabel Martínez González-Posada, Angela Lanza Martínez, Laura Martínez Vega, Eduardo Sánchez Vázquez, Juan Francisco Nieves Salceda, Laura Abad Chamorro, Patricia Álvarez Álvarez, Marta María García Clemente

Past acute exacerbations predict future relapses in patients with chronic hypercapnic COPD receiving long-term non-invasive ventilation

Balázs Csoma (Budapest, Hungary), Zsófia Lázár, Joshua Hilton, Ellie Walker, Kelly Sharman, Jorgen Vestbo, Andrew Bentley, Andras Bikov

Desaturation during exercise in patients with chronic obstructive pulmonary disease: new predictive factors for nocturnal desaturation

Elena Lesaga López (Córdoba (Córdoba), Spain), Antonio Jurado García, Cristina Muñoz Corroto, Pablo García Lovera, Marta Domínguez Gómez, Roberto Martín De León, Nuria Feu Collado, Bernabe Jurado Gamez

A survey about knowledge of exhaled nitric oxide use among Southern Italian pulmonologists and trainees.

Silvano Dragonieri (Bari (BA), Italy), Alessio Marinelli, Andrea Portacci, Leonardo Maselli, Ernesto Lulaj, Ilaria Iorillo, Francesca Montagnolo, Flogerta Sana, Ruben Infantino, Giovanni Dalena, Giovanna Elisiana Carpagano

Small airways impairment and hyperinflation in patients with bronchiectasis; preliminary data from a tertiary center.

Nikolaos Lazarinis (Stockholm, Sweden), Pia Ghosh, Malin Sande, Ann Sofie Lantz, Eva Wallen Nielsen, Barbro Dahlen, Apostolos Bossios

Pulmonary function evaluation on Asthma-COPD overlap from ELSA-Brasil cohort study.

Francine Maria Almeida (São Paulo (SP), Brazil), Roselaine Maria Oliveira, Vitoria Caroline Queiroz, Clarice Rosa Olivo, Beatriz Manguera Saraiva-Romanholo, Paulo A Lotufo, Isabela Bensenor, Itamar Souza Santos, Iolanda Fátima Lopes Calvo Tibério

Automated quantification of QT-intervals by an algorithm: A validation study in patients with COPD

Dario Kohlbrenner (Copenhagen, Denmark), Maya Bisang, Sayaka S. Aeschbacher, Emanuel Heusser, Silvia Ulrich, Konrad E. Bloch, Michael Furian

A novel e-Health oscillometry approach: low-cost, open-source App-driven device

Ramón Farré Ventura (Barcelona, Spain), Jan-Elliot Gonzalez, Miguel-Angel Rodriguez, Eduardo Caballero, Antonio Pardo, Santiago Marco

PS-15 in poster area Session 08:00 - 09:30

Poster session: Advances in the diagnosis and treatment of non-tuberculous mycobacterial lung disease

Method(s) : General respiratory patient care Pulmonary rehabilitation Cell and molecular biology Epidemiology Imaging Physiology Public health

Chairs : Jakko van Ingen (Nijmegen, Netherlands), Dirk Wagner (Freiburg, Germany)

Non tuberculous mycobacterial pulmonary disease: a single center experience analysis

Nicola Baio (Pavia, Italy), Simone Montini, Francesco Rocco Bertuccio, Lucrezia Pisanu, Valentina Ferroni, Vittorio Chino, Vincenzo Sanci, Paolo Cossetta Reposi, Alessandro Cascina, Valentina Conio, Angelo Guido Corsico

Incremental hospitalization burden of nontuberculous mycobacterial lung disease in patients with asthma in Japan

Ping Wang (Bridgewater, United States), Kozo Morimoto, Naoki Hasegawa, Emily Xie, Mariam Hassan

Epidemiological Trends in Nontuberculous Mycobacterial Infection among People with Cystic Fibrosis in Germany

Mathis Steindor (Essen, Germany), Sylvia Hafkemeyer, Christian Ruckes, Florian Stehling, Lutz Naehrlich, Felix C. Ringshausen

The role of gut microbiota dysbiosis in nontuberculous mycobacterial lung disease: possible causal relationship and pathogenesis

Chin-Chung Shu (Taipei, Taiwan), Tzu-Lung Lin, Hsin-Chih Lai

Patient-reported burden of nontuberculous mycobacterial lung disease - results from a European patient survey

Roald van der Laan (Huijbergen, Netherlands), Christian Hoening, Roger Legtenberg, Andreas Reimann, Marko Obradovic

Our experience in the treatment of non-tuberculous mycobacteria

Andrea Expósito Marrero (San Cristobal A La Laguna, Spain), Jesús Rodríguez González, Carmen Palacios Clar, Nuria Castejon Pina, Adrian Baeza Ruiz, Jose Luis Trujillo Castilla

Understanding patients at risk of NTM-PD using a modified Delphi process

Michael Loebinger (London, United Kingdom), Stefano Aliberti, Charles S Haworth, Mateja Jancovic Makek, Christophe Lange, Natalie Lorent, Eva Polverino, Apostolos Papavasileiou, Gernot Rohde, Nicolas Veziris, Dirk Wagner, Jakko Van Ingen

Disseminated mycobacterial infection in patients on ruxolitinib for myelodysplastic disorders

sophie roberts (London, United Kingdom), Philip Gothard, Hanif Esmail, Michael Brown, Johnathan Lambert, Holly Theaker, Ana Garcia-Mingo, Stephen Morris-Jones, Moerida Belton, Lusha Kellgren, Santino Capocci

NTM pulmonary disease in a referral center: treatment adherence and outcomes in a retrospective cohort.

Julie De Man (Romershoven, Belgium), Nele Adriaenssens, Pascal Van Bleyenbergh, Michiel Happaerts, Emmanuel André, Natalie Lorent

Single cells RNA sequencing of peripheral blood mononuclear cells reveals that hyperinflammatory monocytes are associated with the risk of Mycobacterium abscessus pulmonary disease

Nicola Ivan Lore' (Milano (MI), Italy), Stefano De Pretis, Federico Di Marco, Andrea Gramegna, Fabio Saliu, Francesca Giannese, Francesco Blasi, Daniela Maria Cirillo

Changes in sputum microbiota during treatment period in nontuberculous mycobacterial pulmonary disease

Bo-guen Kim (Seoul, Republic of Korea), Noeul Kang, Su-Young Kim, Dae Hun Kim, Sang-Heon Kim, Byung Wo Jhun

Real-life experience of inhaled liposome amikacin in NTM patients from a tertiary referral hospital in Greece

Angeliki Loukeri (Nikaia (Piraeus), Greece), Evgenia Papathanassiou, Charalampos Moschos, Christos Kampolis, Apostolos Papavasileiou

Clinical characteristics of non-tuberculous mycobacterial pulmonary disease patients according to respiratory microorganisms

BEOMSU SHIN (Wonju, Republic of Korea), Seong Mi Moon

Physical activity and possible sarcopenia in patients with nontuberculous mycobacterial pulmonary disease

Young Ae Kang (Seoul, Korea, Republic of Korea), Eun Ki Chung, Youngmok Park, Dong-Hyuk Park, Justin Y. Jeon

Addressing an unmet need in the management of nontuberculous mycobacterial infections in Belgium: 1 year experience of the NTM consilium

Natalie Lorent (Leuven, Belgium), Nele Adriaenssens, Samira Boarbi, Yannick Vande Weygaerde, Peter Bomans, Maja Kiselinova, Benedicte De Muynck, Maria Gabrovskaja, Eva Van Braeckel, Steven Callens, Maya Hites, Bénédicte Delaere, Sophie Gohy, Pascal Van Bleyenbergh, Leen Rigouts, Julie De Man, Laurens Ceulemans, Emmanuel André

Association between physical activity and cough and sputum symptoms in patients with nontuberculous mycobacteria pulmonary disease

Kazuki Ono (Tokyo, Japan), Mitsuru Tabusadani, Hideaki Senjyu, Ryo Kozu

Unravelling the pathogenicity of Mycobacterium abscessus cystic fibrosis clinical isolates in respiratory infection models

Fabio Saliu (Milan, Italy), Federico Di Marco, Francesca Nicola, Andrea Spitaleri, Amleto Fiocchi, Caterina Oneto, Francesca Giannese, Beatrice Silvia Orena, Lisa Cariani, Daniela Maria Cirillo, Nicola Ivan Lorè

Deaths from Tuberculosis: Differences between Tuberculosis-related and Non-tuberculosis-related Deaths

yunjeong jeong (Goyang-Si, Republic of Korea), Jae Seuk Park, Hyung Woo Kim, Jinsoo Min, Yousang Ko, Jee Youn Oh, Eun Hye Lee, Bumhee Yang, Jung Hyun Chang, Min Ki Lee, Yun Seong Kim, Yangjin Jegal, Sung Soon Lee, Ju Sang Kim, Hyeon-Kyoung Koo

Late Breaking Abstract - Predictive factors of microbiological negativization from Atypical Pulmonary Mycobacteriosis in a cohort from southeastern Italy

Vitaliano Nicola Quaranta (, Italy), Manuela Rollo, Vincenza Giorgio, Maria Grazia Tummolo, Ina Ali, Cristian Locorotondo, Francesca Montagnolo, Giuseppe Cassano, Irene Annamaria Di Piero, Mariangela Tedone, Vito Liotino, Sonia Santamaria, Viviana Turchiarelli, Giuseppe Guida, Silvano Dragonieri, Andrea Portacci, Giovanna Elisiana Carpagano

PS-14 in poster area

Session

08:00 - 09:30

Poster session: Cystic fibrosis in adults: a changing scene**Disease(s) :** Airway diseases Interstitial lung diseases**Method(s) :** Pulmonary function testing General respiratory patient care Transplantation Imaging Cell and molecular biology Palliative care Physiology**Chairs :** Andrea Gramegna (Milano (MI), Italy), Maria Do Pilar Azevedo De Almeida Cardim (Lisboa, Portugal)**Impact of CFTR modulators on lung transplant trends in people with cystic fibrosis in the US**

Christian Merlo (Baltimore, United States), Grace R. Lyden, David P. Schladt, Matthew J. Camiolo, Lisa McGarry, Zailong Wang, Jessica Morlando Geiger

Long-term clinical outcomes of Elexacaftor/Tezacaftor/Ivacaftor therapy in adults with cystic fibrosis and severe lung disease

Daniela Savi (Rome, Italy), Francesca Lucca, Marisol Ocampo Barao, Iaria Meneghelli, Francesca Pauro, Monica Signorini, Marco Cipolli

Lung Clearance Index (LCI) and BMI are consistent with functional improvement in adult CF patients (pwCF) after elexacaftor/tezacaftor/ivacaftor (ETI) treatment

Francesca Lucca (Verona, Italy), Sonia Volpi, Cecilia Brignole, Giulia Cucchetto, Giulia Paiola, Anna Pegoraro, Sara Tomezzoli, Marco Cipolli

The impact of CFTR modulator therapy on body composition in patients with cystic fibrosis and advanced lung disease

Andrea Vukić Dugac (Zagreb, Croatia), Lucija Josić, Martina Jelavić, Marko Banić, Ivan Bambir, Duška Tješić-Drinković

Real-Life Adverse Effects of the New Cystic Fibrosis Modulator Therapy

Amélia Simas Ribeiro (Lisboa (Lisboa), Portugal), Pilar Azevedo, Carlos Lopes

Structural changes in lung morphology after modulating therapy with elexacaftor/tezacaftor/ivacaftor in patients with cystic fibrosis

Valentina Fainardi (Parma (PR), Italy), Kaltra Skenderaj, Andrea Ciuni, Gianluca Milanese, Michela Deolmi, Francesco Longo, Nicola Sverzellati, Susanna Esposito, Giovanna Pisi

Lung volumes as possible factors explaining the heterogeneity in the response to elexacaftor/tezacaftor/ivacaftor in patients with cystic fibrosis and advanced lung disease

Chiara Premuda (Milano, Italy), Andrea Gramegna, Sofia Misuraca, Gianfranco Alicandro, Francesca Lucca, Mariangela Retucci, Francesco Amati, Sonia Volpi, Stefano Aliberti, Marco Cipolli, Francesco Blasi

Evaluation of the therapeutic response to CFTR protein modulator treatments, in the management of patients with cystic fibrosis by lung ultrasound.

Sabrina Duval (Le Havre, France), Nicolas Mazellier, Marion Dupuis, Marlène Murris-Espin, Benoit Douvry, Thomas Flament, Magali Dupuy-Grasset, Julia Ballouhey, Damien Basille, Baptiste Arnouat, André Gillibert, Hélène Morisse-Pradier, Gilles Mangiapan, Elise Artaud-Macari

Effect of ETI on the degree of adherence to inhaled medication in adults with CF: a multi-center study in Greece.
Aikaterini Manika (Pylaia (Thessaloniki), Greece), Filia Diamantea, Anna Tsakona, Alexandros Kakolyris, Athina Sopiadou, Maria Sionidou, Serafeim Chrysovalantis Kotoulas, Sirmo Stiliani Kirvasili, Marija Hadji-Mitrova, Eleni Papadaki, Elisavet-Anna Chrysochoou, Elpis Hatziaigorou

Decreased mucolytic prescriptions in Phe508del homozygous Cystic Fibrosis Adults on Elexacaftor-tezacaftor-ivacaftor (Kaftrio/Trikafta)

Mohammed Azib Zahid (LONDON, United Kingdom), James Hartley, Akangsha Sur Roy, Clare Lau, Frederick Jarvis, Komal Mukhtar, Malik Khan

Pulmonary function and quality of life in adults with cystic fibrosis: a cross-sectional analysis from the InSPIRE:CF trial

Natalia Smirnova (Atlanta, United States), Jane Lowers, William Hunt, Matthew Magee, Pedro Lamothe, Sara Auld, Dio Kavalieratos

Quality of life (QOL) of Tunisian patients with Cystic Fibrosis (CF)

Asma Knaz (Sousse, Tunisia), Aissa Sana, Kacem Amani, Handous Rayhane, Ben Bedira Baraa, Ben Jazia Rahma, Gargouri Imen, Benzarti Wafa, Abdelghani Ahmed

Lower levels of bacterial aerobic respiration in sputum from people with cystic fibrosis with chronic lung infection

Mette Kolpen (København, Denmark), Peter Østrup Jensen, Pernille Olsen, Arnold Matovu Dungu, Birgitte Lindegaard, Frederik Boëtius Hertz, Thomas Bjarnsholt, Daniel Faurholt-Jepsen

Clinical follow up after SARS-COV2 infection in Cystic Fibrosis patients

Ana Gomez Ortiz (Seville, Spain), Laura Carrasco Hernández, Lucas Román Rodríguez, Esther Quintana Gallego

Nasal potential difference (NPD) and extended genetic analysis improve classification of CF and CFTR-related disorders: outcomes from a national difficult CF diagnosis (DCFD) service

Elif S Agaoglu (London, United Kingdom), Deborah J Morris-Rosendahl, Michael D Waller, Ellie Quinn, Winston Banya, Imogen Felton, Rachel Robinson, Eric W Alton, Jane C Davies, Nicholas J Simmonds

Sweat Chloride Concentration as a Surrogate Marker of CFTR Modulator Therapy Response

Amélia Simas Ribeiro (Lisboa (Lisboa), Portugal), Pilar Azevedo, Carlos Lopes, Patrícia Veloso

Forced oscillation technique for monitoring the respiratory status of adult cystic fibrosis patients

Anamarija Štajduhar (Zagreb, Croatia), Martina Batarilo Hadar, Ivona Markelić, Matea Škoro, Ivan Bambir, Duška Tješić-Drinković, Andrea Vukić Dugac

Cystic Fibrosis and Fit-to-Fly (CYFF Study)

Aina Akerø (Oslo, Norway), Elisabeth Edvardsen, Pål Finstad, Bjørn Skrede, Mia Østerhaug, Sofia Backman, Anne Edvardsen, Ole Henning Skjøsberg

Real-life experience using intravenous Fosfomycin in patients with Cystic Fibrosis and non-Cystic Fibrosis bronchiectasis

Luca Riberi (Torino (TO), Italy), Letizia Valsecchi, Andrea Falco, Nausicaa Scopelliti, Chiara Mossetto, Simone Soccal, Sara Demichelis, Alberto Perboni, Barbara Messori

Clinical outcome of aminoglycoside therapy in Cystic Fibrosis patients, a single center experience.

Merlin Thomas (Doha, Qatar), Mousa Hussein, Dana Bakdach, Reem El-Ajez, Anam Elarabi, Mansoor Hameed, Aisha Aladab, Abdullah Arshad, Mona Allangawi

PS-10 in poster area

Session

08:00 - 09:30

Poster session: Burden, determinants, and management of asthma

Disease(s) : Airway diseases

Method(s) : Epidemiology Cell and molecular biology Public health

Chairs : Jonathan Grigg (London, United Kingdom), Malin Axelsson (Malmö, Sweden)

Characteristics of patients with asthma in China by blood eosinophil level

Victoria S. Benson (Uxbridge (Middlesex), United Kingdom), Ark Ye, Zhiliu Tang, Adam Haq, Mark Small, James Siddall, Rafael Alfonso-Cristancho, Anna Richards

World-wide variation in the proportion of patients eligible for asthma biologics: a systematic review

Freda Yang (London, United Kingdom), Justin D Saliccioli, Marcus Mcclean, Chloe Bloom

Uncontrolled asthma associates age-dependently with biomarkers and comorbidities in adult-onset asthma

Katja Warm (Rockneby, Sweden), Linnea Hedman, Caroline Stridsman, Anne Lindberg, Eva Rönmark, Helena Backman

Risk for asthma and allergic rhinitis depends on earliness and multiplicity of allergic sensitization, involved allergens, and allergen-specific IgE levels

Stephan Gabet (Lille, France), Fanny Rancière, Nathalie Seta, Isabelle Momas

Association between asthma and allergic diseases and school absenteeism among Indian adolescents

Smriti Debnath (Khejurbagan, India), Prasun Haldar, Dwiptirtha Chattopadhyay, Judith Garcia-Aymerich, Isabella Annesi-Maesano, Paige Lacy, Saibal Moitra, Subhabrata Moitra

Association between allergy and asthma experience and awareness among adolescents: a structural equation modelling approach

Prasun Haldar (Kolkata, India), Smriti Debnath, Dwiptirtha Chattopadhyay, Judith Garcia-Aymerich, Isabella Annesi-Maesano, Paige Lacy, Saibal Moitra, Subhabrata Moitra

In-hospital Mortality and Hospital outcomes Among Adults Hospitalized for Exacerbations of Asthma and COPD in Thailand (2017-2021): A population-based Stud

Narongwit Nakwan (Songkhla, Thailand), Kanittha Suansan

Causal risk factors for asthma in Mendelian randomization studies: A systematic review and meta-analysis

Heidi Mikkelsen (Køge, Denmark), Eskild M. Landt, Marianne Benn, Børge G. Nordestgaard, Morten Dahl

Hospital admissions among asthmatic children in Tizi-Ouzou city before and during the COVID-19 pandemic

Salim Sadi (Tizi-Ouzou, Algeria), Idir Ramdani, Dihia Hadj-Said, Toufik Djerboua, Nabila Yata, Nadia Bensaadi, Belaid Bouazza

Role of circadian typology in health-related quality of life in asthma

Subhabrata Moitra (Edmonton, Canada), Prasun Haldar, Augustus Anderson, Metin Akgün, Amanda Brickstock, Allie Eathorne, Ali Farshchi Tabrizi, Linda Henderson, Aditya Jindal, Surinder Jindal, Bugra Kerget, Lyle Melenka, Saibal Moitra, Rahul Mukherjee, Nicola Murgia, Alex Semprini, Alice Turner, Paige Lacy, Ana Adan

Obesity increases all-cause and cardiovascular mortality in adults with asthma

Helena Backman (Lulea, Sweden), Axel Stureson, Caroline Stridsman, Anne Lindberg, Eva Rönmark, Linnea Hedman

Asthma and asthma-like symptoms as associated with endometriosis and menstrual pain

Sanjay Gyawali (Bergen, Norway), Marianne Lønnebotn, Ane Johannessen, Eva Lindberg, Lars Modig, Vivi Schlünssen, Thorarinn Gislason, Cecilie Svanes, Francisco Gómez Real

Global, regional, and national trends in incidence of asthma: findings from the Global Burden of Disease Study 2019

Yuhan Xing (Hong Kong, Hong Kong), Yingzhao Jin, Cui Guo, Lai Shan Tam, Dongze Wu

Agreement between self-reported and registered age at asthma diagnosis

Elias Nurmi (Tampere, Finland), Iida Vähätalo, Pinja Ilmarinen, Heidi Andersén, Leena Tuomisto, Anssi Sovijärvi, Helena Backman, Lauri Lehtimäki, Linnea Hedman, Arnulf Langhammer, Bright Nwaru, Päivi Piirilä, Hannu Kankaanranta

Respiratory tract infections associated with asthma exacerbation

Yong Il Hwang (Anyang, Republic of Korea), Ki-Suck Jung, Seung Hun Jang, Kwang Ha Yoo, Jung Hyun Chang

Blood inflammatory phenotypes and clinical characteristics as determinants of persistent asthma in the Constances cohort

Tajidine Tsiavia (Villejuif, France), Joseph Henny, Marcel Goldberg, Celinie Ribet, Marie Zins, Nicolas Roche, Laurent Orsi*, Rachel Nadif*

Obesity and migration factors are associated with asthma in ethnic populations

Jonathan Pham (London, United Kingdom), Mark Hew, Michael J Abramson, Caroline J Lodge, Aung K Win, Shuai Li, Shyamali C Dharmage

Quality of life and its determinants in asthma patients in the Fez-Meknes region, Morocco

Nassiba Bahra (Fez, Morocco), Soukaina El Yaagoubi, Hind Bourkhime, Nabil Tachfouti, Mohamed Amine Berraho, Mounia Serraj, Mohammed Chakib Benjelloun, Bouchra Aamara, Samira El Fakir

Genetic Association of HDL-C and LDL-C with Risk of Asthma: Two-Sample Mendelian Randomization Analysis

Tsu-Nai Wang, Yi-Shian Liu, Yu-Chun Lin, Meng-Chih Lin, Chao-Chien Wu

Mendelian randomization revealed the impact of GERD on asthma risk

Haoyu Wang (Chengdu, China), Ruiyuan Yang, Dan Liu, Weimin Li

PS-8 in poster area

Session

08:00 - 09:30

Poster session: Clinical aspects in chronic airway diseases

Disease(s) : Airway diseases Pulmonary vascular diseases

Method(s) : Pulmonary function testing Epidemiology General respiratory patient care Public health Imaging Pulmonary rehabilitation

Chairs : Mina Gaga (Athens, Greece), Ildikó Horváth (Budapest, Hungary)

Phenotypic differences of persistent airflow obstruction in young vs old subjects in the general population

Caspar Schiffrers (Vienna, Austria), Rosa Faner, Marie-Kathrin Breyer, Sylvia Hartl, Robab Breyer-Kohansal, Alvar Agustí

Neglecting the neglected: Tobacco cessation support is 'essential' for the management of asthma and COPD

Dilek Karadoğan (Rize, Turkey), Ilknur Kaya, Merve Yumrukuz Şenel, Esin Bilgin Konyalıhatipoğlu, Tahsin Gökhan Telatar, Metin Akgün

Burden of obstructive airway diseases (OADs) in 618 post-pulmonary TB patients across India.

Raja Dhar (Kolkata (West Bengal), India), Virendra Singh, Malay Sarkar, Arti Shah, Devasahayam J Christopher, Girija Nair, Arpan Shah, Sonali Trivedi, Suryakant Tripathi, Babaji Ghewade, Aleemuddin N. M., Saurabh Karmakar, Srivivas Rajgopala, Mohankumar Thekkinkattil, Rajesh Swarnakar, Arunakumari Badam, Kripesh Sarmah, Srikanth Krishnamurthy, Suresh Anantraj, J. Ram, Archana B, Zuber Ahmed, Sapna Madas, Priyanka Dhumal, Swapnil Gadhave, Sundeep Salvi

Recovery and health related quality of life (HRQoL) in patients with pre-existing airways diseases: results from a prospective UK cohort (PHOSP-COVID)

Omer Elneima (Leicester, United Kingdom), Hamish J C Mcauley, John R Hurst, Samantha Walker, Salman Siddiqui, Petr Novotny, Jenni K Quint, Paul Pfeffer, Aziz Sheikh, Jeremy S Brown, Manu Shankar-Hari, Carlos Echevarria, Rachael A Evans, Louise V Wain, Liam G Heaney, Anthony De Soysa, Chris E Brightling

IN COVID-19 LONG-TERM IMPAIRMENT OF PULMONARY GAS-EXCHANGE IS DOMINATED BY THE VASCULAR COMPONENT

Luca Novelli (Bergamo, Italy), Gianluca Imeri, Chiara Allegri, Anna Caroli, Alberto Arrigoni, Roberta Trapasso, Roberta Biza, Marisa Anelli, Carlo Catani, Simone Bonetti, Francesco Caglioni, Caterina Conti, Fabiano Di Marco

Association between changes in thoracic muscle mass assessed by high resolution computed tomography and static lung volumes in patients with COPD

Mia Solholt Godthaab Brath (Vadum, Denmark), Sisse Dyrman Alsted, Esben Bolvig Mark, Rasmus Brath Christensen, Pernille Veiss-Pedersen, Henrik Højgaard Rasmussen, Jens Brøndum Frøkjær, Lasse Riis Østergaard, Ulla Møller Weinreich

Understanding COPD underdiagnosis in the post-COVID era

ELENA AVALOS PEREZ-URRIA (Madrid, Spain), María Rodrigo-García, Adrián Peláez, Laura Castellanos López, Alberto Martínez De Lara, Elena García Castillo, Tamara Alonso Pérez, Celeste Marcos, Rosa María Girón Moreno, Claudia Valenzuela, Julio Ancochea, Joan B Soriano

The impact of a multidisciplinary assessment on COPD hospitalisations

Finbarr Harnedy (Cork, Ireland), Jack Allen, Michele Cuddihy, Eimear Ward, Maeve Sorohan, Imran Sulaiman, Breda Cushen

Dynamic pulmonary hyperinflation induced by 6 and 12minute walk test in patients with COPD: a crossover study

Angelo Petroioanni (Roma (RM), Italy), Silvia Magliulo, Marco Bezzio, Alessandra Iacovelli, Federica Olmati, Luigi Panza, Paolo Palange

Poor asthma control in schoolchildren may lead to lower lung function trajectory from childhood to early adulthood: A Japanese cohort study

Shingo Tsuneyoshi (Chikushino-city, Japan), Takashi Kinoshita, Ryo Yano, Chiyo Matama, Jun Sasaki, Masanobu Matsuoka, Tomotaka Kawayama, Tomoaki Hoshino

Poor perception of symptom - cause of exacerbation of Bronchial Asthma

Chinkita Agrawal (, India), Rajesh Agrawal, Rajat Agarwal

Low healthcare utilization among patients with chronic respiratory disease in Korea

Seon Cheol Park (Goyang-si, Republic of Korea), Kang Ju Son, Ji Ye Jung, Sang Chul Lee, Hyun Woo Ji, Jung Mo Lee, Chang Hoon Han, Cheong Ju Kim, Sun Min Lee

A pilot study of cognitive disorders, depression and anxiety in obstructive lung disease

Iulian-Laurentiu Buican (Craiova, Romania), Victor Gheorman, Cristina Călărășu, Andreea Mihai, Costin-Teodor Streba

Evaluation of asthma control in Tunisia: Correlation between GINA guidelines and asthma control test

Chaima Turki (ariana tunis, Tunisia), Houda Rouis, Chirine Moussa, Oumayma Aggouni, Donia Jeridi, Hana Dhifallah, Ibtihel Khouaja, Ines Zendah, Sonia Maalej

Metabolic Syndrome in a COPD Population: Frequency and Significance

KHALED DEGHDEGH (Annaba, Algeria), Ouafa Guellati, Feriel Atoui, Randa Yakoubi, Fouad Khalloufi

Asthma with fixed airflow obstruction has comparable small airway dysfunction with asthma-COPD overlap
Toshihiro Shirai (Shizuoka, Japan), Keita Hirai, Yasuhiro Gon

Clinical characteristics of female patients with COPD: a multicenter cross-sectional CAP study in Japan
Tasuku Yamamoto (Ube, Japan), Keiji Oishi, Ryo Suetake, Syuichiro Ohata, Yoriyuki Murata, Yoshikazu Yamaji, Kenji Sakamoto, Maki Asami-Noyama, Nobutaka Edakuni, Tsunahiko Hirano, Kazuto Matsunaga

Analysis of the relationship between cardiovascular disease and the degree of control of chronic obstructive pulmonary disease (COPD) with the development of possible future adverse cardiovascular events.
Natalia González Florido (Málaga, Spain), Esperanza Doña, Ana Muñoz, Adolfo Domenech

COPD and tuberculosis: friends or foes?
NADA Boutbagha (Agadir, Morocco), Sofia Farhat, Hanane Ikrou, Younes Essaid, Abdelkarim Khannous, Aboubakr Imzil, Abdelmajid Oulhbib, Fatiha Bounoua, Khadija Aitnasser, Houssame Ennaceri, Oussama Halloumi, Houda Moubachir, Hind Serhane

Alpha- Antitrypsin Deficiency as a cystic lung disease
Aishath Fazleen (Southampton, United Kingdom), Ausami Abbas, Jonathan Dunbar, Benjamin Welham, Alex Kong, Tom Wilkinson

PS-4 in poster area Session 08:00 - 09:30

Poster session: New mechanistic insights into acute and chronic epithelial lung disorders

Disease(s) : Respiratory critical care Airway diseases

Method(s) : Cell and molecular biology Epidemiology General respiratory patient care Physiology Respiratory intensive care

Chairs : Abilash Ravi (Leiden, Netherlands), Chair to be confirmed

miR-155 and miR-221 expression in serum exosomes of Iranian moderate-severe asthmatic patients
Esmaeil Mortaz (Tehran, Islamic Republic of Iran), Neda Dezfouli, Atefeh Fakharian, Ian Adcock

The link between the Gln27Glu polymorphism of the β 2-adrenoceptor gene and the severity of the asthma course
Vladyslava Kachkovska (Sumy, Ukraine), Anna Kovchun, Lyudmyla Prystupa

The X and Y of inflammation, fibrosis and cell death in asthma
Karosham (Diren) Reddy (Glebe, Australia), Dikaia Xenaki, Senani Rathanyake, Sobia Idrees, Fia Boedijono, Matthew Padula, Maarten Van Den Berge, Alen Faiz, Brian Oliver

Differential miRNA expression could identify responders to biologic therapy in severe uncontrolled asthma
Amanda Iglesias Coma (Palma, Spain), Hanaa Shafiek, Josep Muncunill, Aarne Fleischer, Josep Luis Valera, Meritxell López, Rocío Martínez, Aina Martin, Laura Canaves, Lluc Riera, Mar Mosteiro, Inés Escribano, Luis Pérez De Llano, Borja G Cosío

MEG3 SNP variants are associated with the risk of asthma
Kuo-Liang Chiu (Taichung, Taiwan), Wen-Shin Chang, Chia-Wen Tsai, Mei-Chin Mong, Te-Chun Hsia, Da-Tian Bau

IL18 as a severity locus for COVID-19
Verónica Pulito-Cueto (Santander, Spain), Sara Remuzgo-Martínez, Fernanda Genre, Diego Ferrer, María Sebastián Mora-Gil, Pilar Alonso-Lecue, Sandra Tello-Mena, Beatriz Abascal-Bolado, Sheila Izquierdo, Juan Jose Ruiz-Cubillan, Carlos Armiñanzas, Ricardo Blanco, Raquel López-Mejías, José M. Cifrián, Miguel A. González-Gay

Evaluation of TGF- β isoforms based on selected clinical parameters in asthmatic patients.
Marcelina Koćwin (Łódź, Poland), Mateusz Jonakowski, Alicja Majos, Janusz Szemraj, Piotr Kuna, Michał Panek

T-cell immune dysfunction of severe COVID-19 in asthma defined by single-cell RNA sequencing
Youlim Kim (Seoul, Republic of Korea), Mira Cho, Hyun Lee, Sang Hoon Lee, Siyoung Lee, Minjun Choi, Byeongchan Lee, Seong Yong Lim, Kwang Ha Yoo

MicroRNA-197-3p attenuates house dust mite-induced inflammation by targeting NDP52 mitophagy receptor and Interleukin 13 in human bronchial epithelial cells
Vahid Arabkari (SE-405 30, Sweden), Lina Rönnebjerg, Madeleine Råding

Transcriptomic characterization of type 2 innate lymphoid cells from asthma patients in response to prostaglandin D2 metabolites
Christina Gress (Hannover, Germany), Jens M. Hohlfeld, Meike Müller

A plasma microRNA panel strengthens the early prediction of ICU mortality: A multicenter COVID-19 study
Manel Perez-Pons (Lleida, Spain), Ivan D Benítez, Marta Molinero, Nadia García-Mateo, Alicia Ortega, Tamara Postigo, María C. García-Hidalgo, Thalía Belmonte, Carlos Rodríguez-Muñoz, Jessica González, Gerard Torres, Clara Gort-Paniello, Anna Moncusí-Moix, Angel Estella, Luis Tamayo Lomas, Amalia Martínez De La Gándara, Lorenzo Socias, Yhivian Peñasco, María Del Carmen De La Torre, Elena Bustamante-Munguira, Elena Gallego Curto, Ignacio Martínez Varela, María Cruz Martín Delgado, Pablo Vidal-Cortés, Juan López Messa, Felipe Pérez-García, Jesus Caballero, José M. Añón, Ana Loza-Vázquez, Nieves Carbonell, Judith Marin-Corral, Ruth Noemí Jorge García, Carmen Barberà, Adrián Ceccato, Laia Fernández-Barat, Ricard Ferrer, Dario Garcia-Gasulla, Jose Angel Lorente-Balanza, Rosario Menéndez, Ana Motos, Oscar Peñuelas, Jordi Riera, Jesús F. Bermejo-Martin, Antoni Torres, Ferran Barbé, David De Gonzalo-Calvo

LSC - 2023 - “Clinical and immunological phenotypes” in ‘Long COVID’: The tsunami of multisystem syndrome of this decade!
Shital Vishnu Patil (Latur (Maharashtra), India), Swati Patil, Sham Toshniwal, Gajanan Gondhali, Rajesh Patil, Abhijit Acharya, Deepak Patil

Serum and sputum proteomic biomarkers of eosinophilic and neutrophilic asthma phenotypes
Khezia Asamoah (London, United Kingdom), Kian Fan Chung, Nazanin Zounemat Kermani, Pankaj Bhavsar, Barbara Bodinier, Ian Adcock, Dragana Vuckovic, Marc Chadeau Hyam

Role of CD39 in COVID-19 severity: dysregulation of purinergic signaling and thromboinflammation
Elena Díaz García (Madrid, Spain), Sara García-Tovar, Enrique Alfaro Garcia, Ester Zamarrón, Alberto Mangas, Raúl Galera, José Juan Ruiz-Hernández, Jordi Solé-Violán, Carlos Rodríguez-Gallego, Ana Van-Den-Rym, Rebeca Pérez-De-Diego, Kapil Nanwani-Nanwani, Eduardo López-Collazo, Francisco García-Río, Carolina Cubillos-Zapata

The influence of rs1799752 ACE indel variant and serum ACE enzyme activity in patients with severe COVID-19 and post-COVID-19
Ingrid Fricke-Galindo (Mexico City, Mexico), Ivette Buendía-Roldán, Daniel I Ponce-Aguilar, Gloria Pérez-Rubio, Leslie Chávez-Galán, Rafael De Jesús Hernández-Zenteno, Ramcés Falfán-Valencia

Endothelial progenitors exhibit a senescent and prothrombotic phenotype post COVID-19 disease
Koralia Paschalaki (London, United Kingdom), Daisy Gresham, Anand Shah, Peter Kelleher, Anna Reed, Aran Singanayagam, Vassilis Gorgoulis, Peter J. Barnes, Anna Randi, Charis Pericleous, Peter George

IFNL4 ss469415590 variant is associated with the course of COVID-19 among children
Tetiana Harashchenko (Kyiv, Ukraine), Tetiana Umanets, Volodymyr Lapshyn, Tetiana Kaminska, Ludmila Livshits, Yuriy Antipkin

Immune dysregulation, Th1/Th2 switch failure and Rheumatological predisposition after COVID-19: Certainty and Reality!!
Shital Vishnu Patil (Latur (Maharashtra), India), Swati Shital Patil, Sham Toshniwal, Abhijit Acharya, Gajanan Gondhali, Rajesh Patil, Shubhangi Khule, Deepak Patil

Interspecies analysis to dissect transcriptomic signatures of humans and hamsters in COVID-19.
Peter Pennitz (Berlin, Germany), Vincent D. Friedrich, Emanuel Wyler, Julia M. Adler, Dylan Postmus, Sandro Andreotti, Luiz Gustavo Teixeira Alves, Julia Kazmierski, Fabian Pott, Thomas Hoefler, Cengiz Goekeri, Markus Landthaler, Christine Goffinet, Jakob Trimpert, Markus Scholz, Martin Witzernath, Holger Kirsten, Geraldine Nouaillès

Understanding the extracellular immunoproteasome in ARDS
Michael C. McKelvey (Cullybackey, United Kingdom), Chloe M. McKee, Thea Mawhinney, Rebecca C. Coll, Cecilia M. O'Kane, Daniel F. McAuley, Sinead Weldon, Clifford C. Taggart

PS-7 in poster area Session 08:00 - 09:30

Poster session: Inhaler devices: environmental impact, technique, and adherence

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Pulmonary function testing Public health Epidemiology

Chairs : Omar S. Usmani (London, United Kingdom), Dimitrios Toumpanakis (Athens, Greece)

Impact of extrafine formulation single-inhaler triple therapy on health-related quality of life after three months of treatment in patients with asthma: the TriMaximize study
Rembert Koczulla (, Germany), Berkhan Akyildiz, Charlotte Suppli Ulrik, Detlef Nachtigall, Richard Russell, Valentina Bogoevska, Wolfgang Pohl, Tanja Borucki, Maurice-Dominique Martini, Christian Gessner

TRITRIAL study - TRiple Therapy in Real life: Impact on Adherence and HeaLth status in COPD patients in Italy.
Ulrica Scaffidi Argentina (PARMA, Italy), Luca Richeldi, Pietro Schino, Elena Bargagli, Alberto Ricci, Alberto Rocca, Francesca Marchesani, Alfio Pennisi, Gianna Camiciottoli, Mariella D'Amato, Francesco Macagno, Elena Garavelli, Eleonora Ingrassia, Alessio Piraino

Change in treatment adherence after three months of treatment with extrafine formulation single-inhaler triple therapy in patients with asthma: the TriMaximize study

Frederik Trinkmann (Heidelberg, Germany), Berkta Akyildiz, Charlotte Suppli Ulrik, Detlef Nachtigall, Wolfgang Pohl, Valentina Bogoevska, Richard Russell, Veronika Grickschat, Christian Gessner

Change in asthma control after three months of treatment with extrafine formulation single-inhaler triple therapy in patients with asthma: the TriMaximize study

Timm Greulich (Marburg, Germany), Berkta Akyildiz, Wolfgang Pohl, Detlef Nachtigall, Richard Russell, Valentina Bogoevska, Charlotte Suppli Ulrik, Renata Slawinska, Christian Gessner

Effect on asthma control in patients with asthma and concomitant COPD after three months of treatment with extrafine formulation single-inhaler triple therapy – TriMaximize study

Hartmut Timmermann (Hamburg, Germany), Berkta Akyildiz, Valentina Bogoevska, Richard Russell, Detlef Nachtigall, Wolfgang Pohl, Charlotte Suppli Ulrik, Andreas Wendt, Christian Gessner

Impact of extrafine formulation single-inhaler triple therapy on lung function after three months of treatment in patients with asthma: the TriMaximize study

Christian Gessner (Leipzig, Germany), Berkta Akyildiz, Richard Russell, Detlef Nachtigall, Charlotte Suppli Ulrik, Valentina Bogoevska, Wolfgang Pohl, Björn Licht, Carl-Peter Criée

Are people with airways disease aware of the environmental impact of inhalers?

(), Alicia Piwko, Taheera Ali, Rachael Ehikioya, Gráinne D'Ancona

Trends in inhaler use and associated carbon footprint: a sales data-based study in Europe

Alexander Wilkinson (Hertfordshire, United Kingdom), Ville Vartiainen, Christer Janson, Hanna Hisinger-Mölkänen, Lauri Lehtimäki

Socioeconomic disparities in the carbon footprint of asthma care in the UK: results from SABINA CARBON

Ekaterina Maslova (Reading, United Kingdom), Alexander J K Wilkinson, Christer Janson, Vasanth Radhakrishnan, Jennifer K Quint, Nigel Budgen, Trung N Tran, Yang Xu, Andrew Menzies-Gow, John P Bell

Choice of Salbutamol Metered Dose Inhaler (MDI) type and use of a Spacer Impact Drug Delivery and Carbon Emissions

Mark Nagel (London (ON), Canada), Jason Suggett

A Real-World Evaluation of a Digital Self-Management and Adherence Support System in Patients with Severe Asthma

Laura Wiffen (Portsmouth, United Kingdom), Lynn Elsey, Thomas Brown, Milan Chauhan, Ina Kostakis, Stephen Fowler, Anoop J Chauhan

Switching inhaler treatment from pMDI to DPI in real-world; reduction of carbon footprint

Lauri Lehtimäki (Tampere, Finland), Christer Janson, Ville Vartiainen, Hanna Hisinger-Mölkänen

Carbon footprint of as-needed budesonide-formoterol in mild asthma: a post hoc analysis

Lee Hatter (Wellington, New Zealand), Pepa Bruce, Allie Eathorne, Mark Holliday, Mark Weatherall, Richard Beasley

An Algerian study on patient's attitude towards inhalers

Redouene Sid Ahmed Benazzouz (Alger, Algeria), Safia Benazzouz, Azeddine Mekideche

Preserving treatment for asthma and COPD patients while minimizing carbon footprint: relative lung bioavailability and total systemic exposure of a medium dose formulation of BDP/FF/GB MDI with novel propellant

François Rony (Bois-Colombes, France), Jelle Klein, Arnaud Valent, Alessandro Guasconi, Gianluigi Poli

Have we taken any steps to reduce the environmental impacts of inhalers? A perspective from a specialist respiratory team in a deprived area of the UK

Djeyapra Kadar (Liverpool, United Kingdom), Katie Fitzsimmons, Elaine Gossage, Sarah Sibley, Denis Wat, David Barber, Emma Rickards, Samantha Hayes

The transcendence of capsule transparency in dry powder inhalation devices in the treatment of COPD.

Rocio Reinoso Arijia (Sevilla, Spain), Rosario Ruiz-Serrano De La Espada, María Dolores Nuñez Ollero, Laura Carrasco Hernandez, María Esther Quintana Gallego, Jose Luis López-Campos Bodineau

Towards minimizing carbon footprint of triple fixed dose MDIs for severe asthmatic patients: relative lung bioavailability and total systemic exposure of a high dose formulation of BDP/FF/GB with novel propellant

François Rony (Bois-Colombes, France), Frédéric Vanhoutte, Arnaud Valent, Rabab Abbadi, Alessandro Guasconi, Gianluigi Poli

Adherence to single and multiple inhaler triple therapies among patients with COPD in the real world in Japan

Kieran J. Rothnie (London, United Kingdom), Sandra Joksaite, Robert P. Wood, Akiko Mizukami, Lucinda J Camidge, Alexandros Czira, Thomas Jennison, Takeo Ishii, Olivia Massey, Kenichi Hashimoto, Rad Siddiqui, Masao Yarita, Chris Compton, Raj Sharma, Afisi S Ismaila

Characteristics and treatment pathways of COPD patients initiating single-inhaler dual or triple therapy in England
Stephen G Noorduy (Mississauga, Canada), Robert P Wood, Kieran J Rothnie, Kiran K Rai, Monica Seif, Lucy Massey, Chris Compton, Afisi S Ismaila

PS-3 in poster area**Session****08:00 - 09:30****Poster session: COVID-19****Disease(s) :** Interstitial lung diseases Respiratory critical care Pulmonary vascular diseases**Method(s) :** Respiratory intensive care Epidemiology General respiratory patient care Pulmonary function testing Endoscopy and interventional pulmonology Imaging**Chairs :** Ana Cysneiros (Lisboa, Portugal), Jacobo Sellares Torres (Barcelona, Spain)

Neurofilament light in predicting clinical outcomes in critically ill COVID-19 patients.
Patrick Smeele (Amsterdam, Netherlands)

Phenotyping of Pulmonary Oedema in COVID-19 ARDS
Job Schippers (Amsterdam, Netherlands), Leila Atmowihardjo, Lieuwe Bos, Harm Jan Bogaard, Jurjan Aman

ROX index on 3rd day as a best predictor of treatment failure in severe COVID-19 patients
Luca Novelli (Bergamo, Italy), Stefano Centanni, Fabrizio Luppi, Stefano Aliberti, Paola Rogliani, Claudio Micheletto, Marco Contoli, Alessandro Sanduzzi Zamparelli, Federico Raimondi, Simone Pappacena, Luca Malandrino, Giorgio Lorini, Greta Carioli, Fabiano Di Marco

Prognostic value of respiratory compliance course on mortality in COVID-19 patients with veno-venous ECMO
Simon Valentin (Nancy, France), Mathieu Amalric, Guillaume Granier, Benjamin Pequignot, Christophe Guervilly, Kevin Duarte, Nicolas Girerd, Bruno Levy, Paul Dunand, Matthieu Koszutski, Hadrien Roze, Antoine Kimmoun

Impact of the COVID-19 Epidemic on Healthcare Utilization and Death Among Critically Ill Patients
Hye Jin Jang (Seoul, Republic of Korea), Soyul Han, Sungho Won, Bora Lee, Young Sam Kim

Previous physical activity level and the functional and physical performance at ICU discharge in COVID-19 patients: an observational study
Carolina Fu (São Paulo (SP), Brazil), Danilo Prereira Dos Santos, Leda Tomiko Yamada Da Silveira, Heloisa Francelin, Debora Stripari Schujmann Nogueira

Aging predictive factors for oxygenation response and mortality in COVID-19 and acute respiratory distress syndrome (ARDS) patients exposed to prone position: A multicenter cohort study
Marieta Cabral Amaral Cunha (São Paulo, Brazil), Adriana C Lunardi, Jociane Schardong, Natiele C Righi, Guadalupe N Sant'Anna, Larissa P Isensee, Rafaela F Xavier, Jose E Pompeu, Ranata M Weigert, Darlan L Matte, Rozana A Cardoso, Ana C V Abras, Antonio M V Silva, Camila C Dorneles, Roberta W Werle, Ana C Starke, Rodrigo D M Plentz, Juliana C Ferreira, Celso R F Carvalho

Impact of COVID 19 and MRAB infection on mortality in ICU
Bogun kho (Gwangju, Republic of Korea), Hong-Joon Shin

The Influence of respiratory mechanics on the outcome of hospitalization of obese patients admitted to the Covid-19 ICU
Ada Clarice Gastaldi (Ribeirao Preto (SP), Brazil), Larissa Perossi, Jéssica Perossi, Daniele Oliveira Dos Santos, Anibal Basile Filho

Comparison of pulse versus conventional steroid treatment for hospitalized COVID-19 patients
Paolo Cameli (Siena (SI), Italy), Tommaso Pianigiani, Marco Guerrieri, Valerio Alonzi, Gaia Fabbri, Elena Pordon, Maddalena Messina, Vittoria Ventura, Sara Croce, Martina Meocci, Beatrice Perea, Felice Perillo, Fabrizio Mezzasalma, Behar Cekorja, Elena Bargagli

Determining influences on ventilatory decision-making in COVID-19 ARDS
Kenki Matsumoto (London, United Kingdom), Hannah Malcolm, William Thomson, Magda Osman, Zudin Puthuchear, John Prowle, Timothy Stephens

The utility of lung ultrasound in COVID-19 pneumonia in the intensive care unit in real life settings.
Dimitrios Toumpanakis (Athens, Greece), Anna Kyriakoudi, Evangelia Akoumianaki, Eleni Apostolakou, Iliana Ioannidou, Evangelos Kaimakamis, Evangelos Kaniaris, Paschalina Kontou, Magdalini Kyriakopoulou, Efstathia Potamianou, Charalambos Psarologakis, Vasiliki Soulountsi, Nektaria Xirouchaki, Antonia Koutsoukou, Konstantinos Pontikis

Awake prone position in COVID-19 patients: a report of experience in a medical ICU
Dhouha Ben Braiek (Sousse, Tunisia), Hend Zorgati, Yosri Ben Ali, Imen Mighri, Nadine Boukadida, Arij Hammedi, Rahma Ben Jazia, Ameni Kacem, Anis Maatallah, Jihene Ayachi

Role of JAK-inhibitors in management of Long COVID-19 syndrome: A Case-Control Study.
Lokesh Kumar Lalwani (Alwar, India), Pawan Kumar Singh, Vinod Sharma, Dhruva Chaudhry

PaO₂/FiO₂ ratio measured on room air or during supplemental oxygen predicts 28-day mortality in Covid-19 pneumonia: a large multicenter retrospective study.
Angela Tramontano (Maddaloni, Italy), Maria Luisa Nicolardi, Paola Scarano, Annalisa Boscolo, Roberto Dongilli, Domenico Luca Grieco, Lara Pisani, Tommaso Tonetti, Paolo Palange

In Taiwan increasing ARDS Severity by Berlin Definition Reflects Overall Illness Severity.
Chang Yujen (Taichung City, Taiwan)

ICU admission for COVID-19 patients: is it safe?
Dhouha Ben Braiek (Sousse, Tunisia), Hend Zorgati, Yosri Ben Ali, Sourour Bel Haj Youssef, Azer Yaacoub, Ines Sebri, Rahma Ben Jazia, Ameni Kacem, Anis Maatallah, Jihene Ayachi

Clinical course and outcome of the COVID 19 infection between vaccinated and unvaccinated patients admitted to the Intensive Care Unit
Figen Mustafa (Varna, Bulgaria), Pavel Yordanov, Pavlina Peneva, Anton Antonov, Petur Georgiev, Valentina Dimitrova

Changes in patient profile with COVID19 admitted to IRCU
Pau Cruzado Boix (Castelldefels, Spain), Cristina Bellver Asperilla, Yolanda Ruiz Albert, Ester Cuevas Sales, Ana Córdoba Izquierdo, Salud Santos Pérez, Mercè Gasà Galmes

Risk factors and effect on mortality of superinfections in a newly established COVID-19 respiratory sub-intensive care unit at University Hospital in Rome
ALESSANDRA IACOVELLI (Bellegra, Italy), Alessandra Oliva, Guido Siccardi, Angela Tramontano, Daniela Pellegrino, Angelo Petroianni, Claudio Maria Mastroianni, Mario Venditti, Paolo Palange

PS-16 in poster area

Session

08:00 - 09:30

Poster session: Fungal infections and infections in airway disease

Disease(s) : Airway diseases Respiratory critical care

Method(s) : Epidemiology Cell and molecular biology General respiratory patient care Public health Respiratory intensive care

Chairs : Charles Haworth (Cambridge, United Kingdom), Chair to be confirmed

Identifying core domains of health-related quality of life in chronic pulmonary aspergillosis.
Dareen Marghlani (London, United Kingdom), Lisa Nwankwo, Darius Armstrong-James, Melody Ni, Anand Shah

Accelerated evolution of azole resistant Aspergillus fumigatus by diesel particles
Valentina Huang (London, United Kingdom), Leah Daly, Kirstie Lucas, Kazuhiro Ito

Accuracy of BAL galactomannan and Aspergillus-PCR in diagnosing chronic pulmonary aspergillosis
Animesh Ray (Kolkata (West Bengal), India), Mohit Chowdhury, Gagandeep Singh, Sanjeev Sinha, Immaculata Xess, Naveet Wig

A prospective study of the impact of a Fungal Multi-Disciplinary Team meeting on patient management at a Tertiary Referral Centre
Tanjila Khan (Harrow, United Kingdom), Nadiya Sultana, Karan Gour, Sarah Sheard, Laura Martin, Anan Ghazy, Joanna Peters, Richard Wilson, Renuka Palanicawandar, Mark Gilchrist, Darius Armstrong-James, Meg Coleman, Lydia Finney

MANAGEMENT OF ABPA WITH AZOLES AND STEROID THERAPY
Francesco Bini (Pavia (PV), Italy), Bruno Dino Bodini, Stefano Carlo Zucchetti, Paola Faverio

Fighting aspergillosis using biocontrol bacteria
Niki Ubags (Epalinges, Switzerland), Aurélien Trompette, Apiha Shanmuganathan, Julie Pernot, Fabio Palmieri, Eric Bernasconi, Christophe Von Garnier, Janick Stucki, Nina Hobi, Pilar Junier, Angela Koutsokera

Dry powder aerosol of amphotericin b for treatment of pulmonary fungal disease
Matthew Reed (Albuquerque, United States), Craig Davies-Cutting, David Revelli, Amr Hefnawy, Hugh Smyth, Daniel Moraga-Espinoza, Philip Kuehl, Matthew Fergusson

Environmental Aspergillus fumigatus associates with COPD exacerbations
Pei Yee Tiew (Singapore, Singapore), Micheal Mac Aogain, Tavleen Kaur Jaggi, Fransiskus Xaverius Ivan, Augustine Tee, Huiying Xu, Mariko Siyue Koh, Thun How Ong, John A. Abisheganaden, Stephan C. Schuster, Sanjay H. Chotirmall

The impact of bacterial and fungal co-infections in patients with severe COVID – 19: a retrospective analysis
Pavel Yordanov (Varna, Bulgaria), Figen Mustafa, Vanya Kostadinova, Tanya Dobreva, Nadezhda Ilieva, Velislava Tasheva, Rositsa Krasteva, Konstantin Kapitanov, Pavlina Peneva, Darina Miteva, Valentina Dimitrova, Diana Petkova

Retrospective review of fungal lung disease management, Brighton UK

Syra Dhillon (Wokingham, United Kingdom), Emma Rivera, Aoife Hendrick, Gillian Jones, Vanessa Kahr, Katharine Hurt

Asthma and bronchial infection

Tarek Cherif (Ariana, Tunisia), Amani Ben Mansour, Soumaya Ben Saad, Azza Slim, Hafaoua Daghfous, Fatma Tritar

Impact of duration of inhaled antibiotic treatment in COPD patients with chronic bronchial infection by Pseudomonas

Miguel Angel Leal García (Terrassa, Spain), Roser Costa Solà, Andrea Hernández Rizo, Annie Navarro Rolón, Cristina Esquinas López, Jose Sanz Santos, Marc Miravittles

Mucus, microbiomes, and lung function decline in COPD

Oliver Ward Meldrum (Singapore, Singapore), Gavin C. Donaldson, Jayanth Kumar Narayana, Fransiskus Xaverius Ivan, Tavleen Kaur Jaggi, Micheál Mac Aogáin, James P. Allinson, Jadwiga A. Wedzicha, Sanjay H. Chotirmall

Tolerance to inhaled antibiotic therapy in COPD patients and chronic bronchial infection by Pseudomonas

Miguel Angel Leal García (Terrassa, Spain), Roser Costa Solà, Annie Navarro Rolon, Andrea Hernandez Rizo, Cristina Esquinas Lopez, Jose Sanz Santos, Marc Miravittles

Chronic obstructive pulmonary disease in Denmark: Nationwide yearly proportion of patients with at least one moderate or severe pneumonia from 1995 to 2018

Allan Klitgaard (Vejle, Denmark), Rikke Ibsen, Ole Hilberg, Anders Løkke

Pseudomonas aeruginosa predicts exacerbation frequency in Severe Asthma

Fransiskus Xaverius Ivan (Singapore, Singapore), Pei Yee Tiew*, Tavleen Kaur Jaggi, Kai Xian Thng, Pee Hwee Pang, Thun How Ong, John A Abisheganaden, Mariko Siyue Koh, Sanjay H Chotirmall

Impact of smoking in acute community acquired lung disease: severity and mortality

Hadhemi Rejeb (Sousse, Tunisia), SABRINE ELFIDHA, Nouha Guedri, Hanen Smadhi, Hajer Abdelghaffar, Hela Hassene, Dorra Greb, Ines Akrou, Leila Fekih, Hela Kammoun, Mohamed Lamine Megdiche

Late Breaking Abstract - Development of a Novel Scoring System to Predict Survival of Acute Invasive Fungal Rhinosinusitis Patients

Minhae Park (Seoul, Republic of Korea), Hyo Yeol Kim

Late Breaking Abstract - The blood transcriptional response in ICU-acquired pneumonia

Justin de Brabander (Amsterdam, Netherlands), Erik H. A. Michels, Joe M. Butler, Tom D. Y. Reijnders, Tjitske S. R. Van Engelen, Giuseppe G. F. Leite, Fleur P. Paling, Marc J. M. Bonten, Leen Timbermont, Surbhi Malhotra-Kumar, Jan A. J. W. Kluytmans, Hessel Peters-Sengers, Tom Van Der Poll

Late Breaking Abstract - Flagellin as an adjunctive to antibiotic treatment of MDR-Klebsiella pneumonia in mice

Christine C. A. van Linge (Amsterdam, Netherlands), Osoul Chouchane, Jean-Claude Sirard, Wil H. F. Goessens, Alex F. De Vos, Tom Van Der Poll

PS-6 in poster area**Session****08:00 - 09:30****Poster session: Translational approaches in fibrotic lung diseases: from bench to bedside****Disease(s) :** [Interstitial lung diseases](#) [Airway diseases](#)**Method(s) :** Cell and molecular biology Imaging Physiology**Chairs :** Isis Enlil Fernandez (München, Germany), Carlos Esteban Machahua Huamani (Bern, Switzerland)**Effect of the HDACs inhibitor, Panobinostat, in a rat model of pulmonary fibrosis**

Vanessa Pitozzi (Parma (PR), Italy), Paola Caruso, Francesca Ruscitti, Silvia Pontis, Maria Gloria Pittelli, Giancarlo Aquino, Roberta Volta, Barbara Pioselli, Maria Laura Faietti, Maurizio Civelli, Marcello Trevisani

Resolvin E3 inhibits phosphorylation of p38 MAPK signaling pathway leading to the reduction of TGF-β1 production on macrophage

Masakiyo Yatomi (Maebashi, Japan), Yasuhiko Koga, Haruka-Aoki Saito, Makiko Sato, Yosuke Miura, Hiroaki Tsurumaki, Noriaki Sunaga, Toshitaka Maeno, Satoshi Shuto, Takeshi Hisada

Effects of macrophage transplantation in bleomycin-induced pulmonary fibrosis in mice

Jun Ikari (Chiba, Japan), Eiko Suzuki, Megumi Katsumata, Masaki Suzuki, Ayako Shimada, Nozomi Tanaka, Keiko Yamamoto, Ayumi Sekine, Yoshitoshi Kasuya, Koichiro Tatsumi, Takuji Suzuki

Succinate aggravates pulmonary fibrosis through the succinate/SUCNR1 axis.

Rishi Rajesh (Graz, Austria), Reham Atallah, Ilse Lanz, Wolfgang Platzer, Stefano Angiari, Leigh Marsh, Thomas Bärthaler, Akos Heinemann

Lower proportion of collagen type XIV in lung tissue of patients with Idiopathic Pulmonary Fibrosis (IPF)

Mehmet Nizamoglu (Groningen (GR), Netherlands), Maunick Lefin Koloko Ngassie, Rhode A. Meuleman, Martin Banchero, Theo Borghuis, Wim Timens, Martijn C. Nawijn, Barbro N. Melgert, Irene H. Heijink, Corry-Anke Brandsma, Janette K. Burgess

Real-life experience using nintedanib as a reference item in a preclinical rat model of bleomycin-induced fibrosis

Pan Filis (Edinburgh, United Kingdom), Angela Marsden, Susan Sammels, James Baily, Mary McElroy

Dexamethasone restores TNF α -induced epithelial barrier dysfunction in primary rat alveolar epithelial cells

Naokata Kutsuzawa (Isehara, Japan), Yoko Ito, Shizuko Kagawa, Hiroto Takiguchi, Koichiro Asano

Extracellular vesicles regulate fibroblasts to myofibroblasts transition in chronic lung diseases

xu bai (sydney, Australia), Hui Chen, Brian Oliver

Inhibiting Galectin-3-induced TGF- β production by human lung fibroblasts, a potential valuable therapy for Idiopathic Pulmonary Fibrosis

Alvise Casara (Padua, Italy), Nicol Bernardinello, Maria Conti, Nadia Freato, Laura Bertocchi, Tommaso Neri, Alessandro Celi, Paolo Spagnolo, Marina Saetta, Manuel G. Cosio, Erica Bazzan

Sigma-1 receptor agonist mitigates bleomycin-induced pulmonary fibrosis in mice

Adam Hosszu (Budapest, Hungary), Dora Bianka Balogh, Akos Roland Toth, Kata Cseko, Judit Hodrea, Zsuzsanna Helyes, Attila J. Szabo, Andrea Fekete

Late Breaking Abstract - GTX-011 alleviates inflammatory, cardiovascular and pulmonary dysfunction in a rat model of bleomycin-induced pulmonary fibrosis.

Eugenia Ruiz-Canovas (Barcelona, Spain), Javier Milara, Paula Montero, Inés Roger, Consol Farrera, Cristina Fernández-Asensio, Silvia Sánchez-Díez, Julio Cortijo

Interalveolar pores and association with (pre-)COPD stage and small airways

Stijn Verleden (Leuven, Belgium), Cindy Mai, Annemiek Snoeckx, Annelies Janssens, Senada Koljenovic, Paul Van Schil, Veronique Verplancke, Johanna Kwakkel-Van-Erp, Hanne Voet, Therese Lapperre, Jeroen Hendriks

Favorable lung biodistribution profile of CTGF-targeting Anticalin protein PRS-220 for inhaled treatment of IPF patients

Vanessa Neiens (Hallbergmoos, Germany), Marina Pavlidou, Nicolas Schwenck, Marleen Richter, Athanasios Fysikopoulos, Thomas Jaquin, Eva-Maria Hansbauer, Antonio Konitsiotis, Cornelia Wurzenberger, Maximilian Grill, Karl-Robert Wichmann, Jonas Biehler, Kei W. Müller, Gabriele Matschiner, Shane Olwill

Late Breaking Abstract - Calcaratarin D, a labdane diterpenoid, attenuates TGF- β 1-induced airway epithelial-mesenchymal transition and lung fibroblast activation

Wupeng Liao (Singapore, Singapore), Winnie Teo, W.S. Fred Wong

Late Breaking Abstract - Investigation of cKIT driven bone marrow toxicity and translation to human

Marie Larsson (Molndal, Sweden), Sonja Gill, Carmen Pin, Fiona Pachl, Kainat Khan, James Cartwright, Ruth Macdonald, Jonathan Rose, Benjamin Clayton, Emilyanne Leonard, Jorrit Hornberg, Anna Ollerstam

Role of apoptosis signal-regulating kinase-1 (ASK1) in the development of pulmonary fibrosis

Martina Korfei (Gießen, Germany), Julie Antoine, Azam Mohammadi, Stefan Hadzic, Ingrid Henneke, Poornima Mahavadi, Ekaterina Krauss, Clemens Ruppert, Werner Seeger, Andreas Guenther

Loss of cofilin 1 in the airway epithelium of COPD causes mitochondrial dysfunction

Venkataramana Sidhaye (Baltimore, United States), Baishakhi Ghosh, Bonnie Yeung-Luk, Vaishnavi Karanam, Shreeti Thapa

Elastase inhibitory activity (EIA) in Chronic Obstructive Pulmonary Disease (COPD) and Alpha-1 Antitrypsin Deficiency (AATD)

Georgina Farago (Barcelona, Spain), Gerard Orriols, Alexa Núñez, Cristina Esquinas, Galo Granados, Pablo Gabriel-Medina, Cristina Aljama, Miriam Barrecheguren, Francisco Rodriguez-Frías, Marc Miravittles

Targeting lung fibroblast senescence to restore ECM regulation in COPD

Roy R. Woldhuis (Groningen, Netherlands), Maarten Van Den Berge, Wierd Kooistra, Wim Timens, Corry-Anke Brandsma

The role of prostaglandin E2 (PGE2) on fibroblast - extracellular matrix (ECM) interaction in idiopathic pulmonary fibrosis (IPF): A pilot study

David Shitrit (Kfar Saba, Israel), Noa Moskovitz, Gali Epstein Shochet, Hadas Gilboa

PS-13 in poster area

Session

08:00 - 09:30

Poster session: Respiratory monitoring and management in neonatal and paediatric intensive care

Disease(s) : Respiratory critical care Airway diseases Interstitial lung diseases Pulmonary vascular diseases

Method(s) : Physiology Respiratory intensive care Pulmonary function testing Imaging Surgery Cell and molecular biology
Public health General respiratory patient care

Chairs : Emanuela Zannin (Milano (MI), Italy), Anna Lavizzari (Milano (MI), Italy)

Fetal breathing patterns in a lamb model of tracheal occlusion for antenatal treatment of congenital diaphragmatic hernia

Mar Janna Dahl (Salt Lake City, United States), Chiara Veneroni, Stefano Robbiani, Francesco Tarantini, Lorenzo Ventura, Anna Lavizzari, Peter Noble, Lorenza Draghi, Jane Pillow, Raffaele Dellaca

Nasal High-Flow Therapy versus Low-Flow Oxygen Therapy post-discharge in infants with Bronchopulmonary Dysplasia: a retrospective observational study.

Anna Lavizzari (Milano (MI), Italy), Alessia Mariani, Elisabetta Ghezzi, Nicola Pesenti, Marijke Ophorst, Silvana Gangi, Mariarosa Colnaghi, Fabio Mosca

A morphometric lung model for studying lung aeration at birth

Chiara Veneroni (Milano (MI), Italy), Enrico Conca, Davide Bizzotto, Alberto Tosi, Kenneth Lutchen, Raffaele Dellacà

Lung function response to postnatal corticosteroids in very preterm infants

Emanuela Zannin (Milano (MI), Italy), Camilla Rigotti, Sofia Chiaraluze, Maria Luisa Ventura

Reduced lung function during childhood after fetal growth restriction in discordant identical twins

Jip Anne Spekman (Leiden, Netherlands), Joël Israël, Ilja De Vreede, Mady Los, J J Miranda Geelhoed, Monique C Haak, Arno A W Roest, Jeanine M M Van Klink, Enrico Lopriore, Sophie G Groene

Pulmonary Function by Impulse Oscillometry System and Outcomes in Children Born Extremely Preterm at 4 Years of Age

Celine Delestrain (Creteil, France), Kenza Tahiri, Floriane Sauvage, Kamel Halitim, Xavier Durrmeyer, Houmam El Jurdi, Camille Jung, Isabelle Hau, Manon Tauzin, Fabrice Decobert, Christophe Delacourt, Ralph Epaud, Fouad Madhi

Can breathing pattern assessment predict the need for ventilatory support in treated Spinal muscular atrophy type 1 (SMA1) infants?

Antonella LoMauro (Milano (MI), Italy), Chiara Mastella, Mariacristina Scoto, Francesco Muntoni, Elaine Chan, Lisa Edel, Andrea Aliverti, Giovanni Baranello

Lung biopsies in infants and children in critical care situation

Nadia Nathan (Paris, France), Yael Levy, Lauren Bitton, Chiara Sileo, Jérôme Rambaud, Yohan Soreze, Marie Legendre, Camille Louvrier, Harriet Corvol, Erik Hervieux, Pierre-Louis Leger, Blandine Prevost, Aurore Coulomb L'Herminé

Rates of BPD in extremely preterm survivors in Sweden, 2014-2016 vs. 2004-2007

Petra Johanna Um-Bergström (Sollentuna, Sweden), Linn Löfberg, Thomas Abrahamsson, Magnus Domellöf, Aijaz Farooqi, Christian Gadsbøll, Anders Elfvin, Stellan Håkansson, Karin Källén, David Ley, Mikael Norman, Erik Normann, Fredrik Serenius, Richard Sindelar, Karin Sävman, Lena Hellström Westas, Ulrika Ådén, Lars Björklund

Comparing the effect on lung surfactant function of high-frequency oscillatory ventilation and conventional mechanical ventilation in piglets

Paula Losada-Oliva (Madrid, Spain), Chiara Autilio, Noelia González-Pacheco, Cristina Ramos-Navarro, Ana Rodríguez-Sánchez De La Blanca, Martín Santos, Bárbara Olmeda Lozano, Jesús Pérez-Gil, Manuel Sánchez-Luna

Circulatory adaptation to dexamethasone for severe lung disease in extremely preterm infants: An echocardiographic study

Arvind Sehgal (Melbourne (VIC), Australia), Marcel Nold, Calum Roberts, Samuel Menahem

Dose-dependent impact of human milk feeding on tidal breathing flow-volume loop-parameters across the first two years of life in extremely low-birth-weight infants.

Anna Lavizzari (Milano (MI), Italy), Benedetta Esposito, Nicola Pesenti, Giulia Vizzari, Marijke Ophorst, Silvana Gangi, Mariarosa Colnaghi, Fabio Mosca, Maria L Gianni

Optimization of albuterol delivery via an anesthesia bag in pediatric critical care

Sebastien Tessier (Winnipeg, Canada), Louise Chartrand, Andrew Halayko, Victoria Plowsay

Associations between ethnicity, oxygenation and oxidative stress in preterm infants

Ourania Kaltsogianni (London, United Kingdom), Sara Zaidi, Ravindra Bhat, Anne Greenough, Theodore Dassios

Effects of a Spontaneous Breathing Trial In Children With Tracheostomy And Long-Term Mechanical Ventilation

Gregory Villarroel Silva (Santiago, Chile), Yorschua Jalil-Contreras, Eduardo Moya-Gallardo, Ignacio Oyarzún Aguirre, Gonzalo Moscoso Altamira, Claudia Astudillo M, L.Felipe Damiani

The hypoxic challenge test in preterm born infants

Stephanie J.A. Balink (Rotterdam, Netherlands), Andre A. Kroon, Liesbeth Duijts, Renate M.C. Swarte, Beatrijs Bartelds, Laurens P. Koopman, Irwin K.M. Reiss, Marielle W.H. Pijnenburg

Epithelial lining fluid Surfactant Protein-D levels in extremely preterm neonates in the first hours of life

Chiara Autilio (Madrid, Spain), Daniele De Luca, Raquel Arroyo, Antonio Picerno, Paul Kingma

Feasibility and acceptability of pulse oximeter (PO) in Integrated Management of Neonatal and Childhood Illnesses (IMNCI) services by public health facilities - Qualitative study.

Dhiraj Agarwal (Pune (Maharashtra), India), Manisha Gore, Anand Kawade, Sudipto Roy, Ashish Bavdekar, Harish Nair, Sanjay Juvekar, Girish Dayma

Developing a Priority Setting Partnership for preterm lung health (on behalf of PELICAN CRC)

Naomi Hemy (ASHFIELD, Australia), Amber Bates, Belinda Frank, Anne Mc Kenzie, Shannon Simpson

Late Breaking Abstract - MRI identifies functional and structural BPD characteristics in preterm infants at five years of age

Anne Hilgendorff (München, Germany), Kathrin Strobl, Kai Foerster, Alida Kindt, Friederike Häfner, Benjamin Schubert, Florian Heinen, Andreas Flemmer, Olaf Dietrich, Sophia Stöcklein

PS-1 in poster area**Session****08:00 - 09:30****Poster session: Clinical problems in tuberculosis and other respiratory infections****Disease(s) :** Respiratory critical care Interstitial lung diseases Airway diseases**Method(s) :** Public health Cell and molecular biology Imaging Palliative care Physiology Pulmonary rehabilitation Respiratory intensive care General respiratory patient care Epidemiology**Chairs :** Christian Niels Meyer (Roskilde, Denmark), Priti Meshram (Mumbai (Maharashtra), India)**Predictors of pulmonary tuberculosis relapse**

Selsabil Daboussi (Tunis, Tunisia), Améni Naaroura, Samira Mhamdi, Safa Marzouki, Houda Snoussi, Chiraz Aichaouia, Zied Moetemi

Pseudotumor tuberculosis: a rare form

Sofia El hanafy (casablanca, Morocco)

Errors in the diagnosis of tuberculosis in children under the conditions of the COVID-19 pandemic.

Cristina Liscinscaia (Chisinau, Republic of Moldova), Stela Kulcičkaia, Constantin Iavorschi, Iulia Ghimisli

Mortality of tuberculosis patients due to associated diseases and other causes

Igor Ivanec (Chisinau, Republic of Moldova), Aurelia Ustian, Vasile Popa, Anastasia Ivanec

Mortality in tuberculosis

Fettal Nadia (Sidi Bel Abbès, Algeria), akram Benhaddad

Correlation between imaging in non-cystic fibrosis bronchiectasis and prognosis scores

Donia Jeridi (Ariana, Tunisia), Houda Rouis, Chirine Moussa, Chaima Turki, Oumaima Aggouni, Hana Dhifallah, Ibtihel Khouaja, Ines Zendah, Sonia Maalej

COPD as a post-tuberculosis lung disease: multicenter retrospective cohort study

YEJIN LEE (SEOUL, Republic of Korea), Dong-Hyun Joo, Sooim Sin, Hyerin Kang, Jin Hwa Song

Efficacy of inhaled antibiotic therapy in patients with bronchial infection due to Pseudomonas aeruginosa

Ana Mendes Silva (Barcelona, Spain), Joel Lakhani, Génesis Parada, David Rosa, Paula Pujal, Noe Garin, Laura Villamarin

Impact of tuberculosis on the evolution of pregnancy, delivery and perinatal outcomes

Igor Ivanec (Chisinau, Republic of Moldova), Ecaterina Evstrati, Stela Kulcičkaia, Anastasia Ivanec

Post-COVID-19 pulmonary complications in the chest clinic of Oran, Algeria

Abdelmajid Snouber (Oran, Algeria), Siham Benzait, Nesrine Azzi, Nesrine Bouchra Bourouis, Mustapha Benammar, Karima Boualem

Radiological pulmonary manifestations in patients with achalasia

Jelena Jankovic (Beograd, Republic of Serbia), Branislava Milenkovic, Zlatan Bojic, Nikola Colic

Retrospective observational study looking at inpatient burden of winter respiratory viral illness in a district general respiratory unit

Usman Zafar Kahara (Birmingham, United Kingdom), Gagandeep Aulakh, Abhimanyu Lal, See Ling Tan

Association Between Timed Up-and-Go Test and Subsequent Pneumonia
Tae Yun Park (Seoul, Republic of Korea), Hyo Jin Lee

In-hospital mortality by different CURB type severity scores of community-acquired pneumonia
Hyonsoo Joo (Seoul, Republic of Korea), Mira Cho, Seohyun Kim, Yunhee Lee, Jun-Pyo Myong, Jae Jeong Shim, Tai Joon An, Hyoung Kyu Yoon

Prevalence of newly acquired conditions and impact on quality of life one year after hospital discharge for COVID-19
Rachael A. Evans (Leicester (Leicestershire), United Kingdom), Andrew Ibbetson, Linzy Houchen-Wolloff, Archie Walters, Louise Wain, Chris Brightling, Michael Marks, Andrew Briggs

Phenotypes in 'Long COVID' presenting as 'tsunami of multisystem syndrome' of this decade: Is it really preventable or occurs as natural course of disease?
Shital Vishnu Patil (Latur (Maharashtra), India), Swati Shital Patil, Sham Toshniwal, Gajanan Gondhali, Rajesh Patil, Utreshvar Dhumal, Abhijit Acharya, Shubhangi Khule, Deepak Patil

Efferent therapy in complex treatment of patients with coronavirus associated pneumonia
Oksana Viltsaniuk (Vinnytsya, Ukraine), Yuriy Mostovoy

90-Day outcomes in patients with severe COVID-19 treated with invasive mechanical ventilation.
Masamichi Mineshita (Kawasaki (Kanagawa), Japan), Satoshi Tanaka, Yusuke Shinozaki, Junko Shibuya, Hajime Tsuruoka, Shin Matsuzawa, Hiromi Muraoka, Atsuko Ishida, Hirotaka Kida, Hiroshi Handa, Naoki Furuya, Hiroki Nishine

COVID-19 as endothelial dysfunction trigger
Nataliia Habshydz (Dnipro, Ukraine), Tetiana Pertseva, Lyudmyla Konopkina, Yuliia Hyba, Mariia Krykhtina

Theranostic algorithm to prevent post-COVID-19 pulmonary fibrosis
Nathalie De Vos (Bruxelles, Belgium), Marie Bruyneel, Cécile Duterme, Alain Roman, Hafid Dahma, Stephane Alard, Stephanie Andre, Dragos Barglazan, Audrey Chirumberro, Frederic Cotton

Silver Session 08:30 - 10:00

Symposium: Pulmonary hypertension and interstitial lung diseases: dilemmas in diagnosis and the conundrum of treatment

Aims : to provide the latest updates on pulmonary hypertension (PH) due to interstitial lung disease (ILD), including screening/diagnosis, treatment and future research directions. PH often complicates many forms of advanced lung disease, including pulmonary fibrosis; to discuss the main novel achievements (pathophysiology, diagnosis and management) in the field of PH when patients have CLDs; to strengthen understanding of PH due to lung diseases and to improve the care and quality of life of affected patients.

Disease(s) : Airway diseases Interstitial lung diseases Pulmonary vascular diseases

Method(s) : Cell and molecular biology Imaging Physiology

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Patient, Radiologist, Scientist (basic, translational)

Chairs : Katerina Antoniou (Heraklion, Greece), Marc Humbert (Le Kremlin-Bicêtre, France), Thomas Koudstaal (Rotterdam, Netherlands)

08:30 What do we know about the mechanisms of PH in ILD: translational research
Soni Savai Pullamsetti (Giessen, Germany)

08:45 From screening to phenotypes in PH-ILDs: the impact of new guidelines
Lucilla Piccari (Barcelona, Spain)

09:00 Pro: it is time to treat PH in ILD
Oksana Shlobin (Falls Church, United States)

09:15 Con: it is not time to treat PH in ILD
Stephen Wort (London, United Kingdom)

09:30 Discussion and Q&A

Coral 3 Session 08:30 - 10:00

Hot topics: Non-invasive high-flow nasal therapy or positive pressure ventilation in acute and chronic respiratory care

Aims : to discuss the mechanisms, evidence for clinical effectiveness and cost-effectiveness of non-invasive positive pressure ventilation and high-flow nasal therapy in acute and chronic respiratory failure.

Disease(s) : Airway diseases Respiratory critical care Sleep and breathing disorders

Method(s) : General respiratory patient care Respiratory intensive care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Patient, Physiologist, Respiratory physiotherapist

Chairs : Peter J. Wijkstra (Groningen, Netherlands), Heleen Demeyer (Leuven, Belgium)

08:30 Flow treatment in acute respiratory care
Lara Pisani (Bologna (BO), Italy)

08:45 Pressure treatment in acute respiratory care
Claudia Crimi (Catania (CT), Italy)

09:00 Flow treatment in chronic respiratory care
Rebecca D'Cruz (London, United Kingdom)

09:15 Pressure treatment in chronic respiratory care
Wolfram Windisch (Cologne, Germany)

09:30 Discussion and Q&A

Coral 1 Session 08:30 - 10:00

Hot topics: What did you always want to know about omics analyses for clinical practice?

Aims : to discuss the rapid advances in omics technology and the molecular phenotyping of asthma and COPD cohorts that now permit large-scale evaluation of genetic, transcriptomic, proteomic and metabolic biomarkers.

Disease(s) : Airway diseases

Method(s) : Cell and molecular biology

Tag(s) : Translational

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Respiratory critical care physician, Physician in Pulmonary Training, Scientist (basic, translational)

Chairs : Niki L. Reynaert (Maastricht, Netherlands), Christopher E. Brightling (Leicester (Leicestershire), United Kingdom), Sara Cuevas Ocaña (Nottingham, United Kingdom)

08:30 Transcriptomics in chronic airway diseases: when, how and why?
Martijn C. Nawijn (Groningen, Netherlands)

08:45 Spatial omics: a cutting-edge tool to navigate the airway map
Francesca Polverino (Houston, United States)

09:00 Proteomics in airway diseases: current approaches and future directions
Ian M. Adcock (London, United Kingdom)

09:15 Integration of omics in clinical cohorts: unrolling Ariadne's thread
Rosa Faner Canet (Barcelona, Spain)

09:30 Discussion and Q&A

Gold Session 08:30 - 10:00

Guidelines session: Management of adults with spontaneous pneumothorax/what's new in the management of severe community-acquired pneumonia

1) ERS/EACTS/ESTS clinical practice guidelines on adults with spontaneous pneumothorax and 2) ERS/ESICM/ESCMID/ALAT guidelines for the management of severe community-acquired pneumonia

Aims : to discuss two new published guidelines, namely, ERS/EACTS/ESTS clinical practice guidelines on adults with spontaneous pneumothorax and ERS/ESICM/ESCMID/ALAT guidelines for the management of severe community-acquired pneumonia (sCAP) ; to present an overview of new evidence in the management of spontaneous pneumothorax and sCAP; to outline the recommendations identified in the guidelines on pneumothorax and sCAP; to provide pragmatic guidance for specialists on how to best manage spontaneous pneumothorax and sCAP.

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Surgery**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Patient, Physician in Pulmonary Training, Thoracic surgeon**Chairs :** Walter De Wever (Leuven, Belgium), Daiana Stolz (Freiburg, Germany), Amanda Dandanell Juul (Odense S, Denmark)**08:30 The medical management of spontaneous pneumothorax**
Steven Walker (Bristol (Avon), United Kingdom)**08:45 The surgical management of spontaneous pneumothorax**
Giuseppe Cardillo (Roma (RM), Italy)**09:00 Discussion and Q&A****09:15 What's new in sCAP**
Ignacio Martin-Loeches (Dublin, Ireland)**09:30 Coadjuvants in sCAP**
Antoni Torres Marti (Barcelona, Spain)**09:45 Discussion and Q&A****Coral 4+5 Session 08:30 - 10:00****State of the art session: Sleep and breathing disorders****Sleep-disordered breathing and the heart. What is next?****Aims :** to discuss the latest data about sleep-disordered breathing in association with cardiovascular disease; to present and discuss new evidence in the field that will contribute to the management of sleep-disordered breathing.**Disease(s) :** Sleep and breathing disorders**Method(s) :** General respiratory patient care Respiratory intensive care**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Respiratory critical care physician, Patient, Journalist**Chairs :** Winfried J. Randerath (Solingen, Germany), Sophia E. Schiza (Heraklion, Greece), Matteo Bradicich (Zollikoberg, Switzerland)**08:30 Antihypertensive drugs vs. positive pressure. Which one is better to reduce hypertension?**
Silke Ryan (Dublin, Ireland)**08:45 Heart failure in sleep-disordered breathing: is positive airway pressure therapy meaningful?**
Douglas Bradley (Toronto (ON), Canada)**09:00 Is sleep-disordered breathing a risk factor or phenotype of cardiovascular disease?**
Manuel Sanchez De La Torre (Lleida, Spain)**09:15 New kids on the blocks: pharmacologic treatment of sleep-disordered breathing also for cardiovascular patients?**
Elisa Perger (Milano, Italy)**09:30 Discussion and Q&A****Coral 2 Session 08:30 - 10:00****Clinical cases: Clinical challenges beyond guidelines****Aims :** to describe the controversial aspects of the current guidelines for the environmental health prevention and air pollution standards, management of adult bronchiectasis, diagnosis and treatment of Langerhans cell histiocytosis in adults and treatment of stage I non-small cell lung cancer; to discuss data underpinning nonadherence and alternative approaches to current recommendations; to propose evidence-based substitute management recommendations for clinicians; to identify areas of concern; to highlight the need for further research.**Disease(s) :** Airway diseases Respiratory infections Interstitial lung diseases Thoracic oncology**Tag(s) :** Clinical**Chairs :** Albert Osterhaus (Hannover, Germany), Michael Loebinger (London, United Kingdom), Sara Tomassetti (Florence, Italy)**08:30 Management of adult bronchiectasis, including Q&A**
Eva Van Braeckel (Ghent, Belgium)

08:52 Environmental health prevention and standards on air pollution, including Q&A
Isabella Annesi Maesano (Montpellier, France)

09:14 Diagnosis and treatment of Langerhans cell histiocytosis in adults, including Q&A
Sergio Alfonso Harari (Milano (MI), Italy)

09:36 Treatment of stage I non-small cell lung cancer, including Q&A
Georgia Hardavella (Athens, Greece)

Purple Session 08:30 - 10:00

Mini symposium: Exercise training, physical activity and self-management at home

Aims : to identify the core components, efficacy, strengths, limitations, evidence gaps and research necessary to guide the future delivery of home-based care and pulmonary rehabilitation; to describe patient and outcome assessment, exercise training, physical activity and self-management at home.

Disease(s) : Airway diseases Interstitial lung diseases Thoracic oncology

Method(s) : General respiratory patient care Pulmonary rehabilitation Surgery

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Nurse, Physician in Pulmonary Training, Respiratory physiotherapist, Thoracic oncologist, Thoracic surgeon, Respiratory therapist

Chairs : Joana Cruz (Leiria, Portugal), Christian Karagiannidis (Cologne, Germany), Jellien Makonga-Braaksma (Woudenberg, Netherlands)

08:30 Patient and outcome assessment for care and rehabilitation at home
Narelle Cox (Melbourne (VIC), Australia)

08:45 Exercise training and physical activity intervention at home
Marc Spielmanns (Wald, Switzerland)

09:00 Education, self-management and other components of home-based care and rehabilitation
Jean Bourbeau (Montréal (QC), Canada)

09:15 Discussion and Q&A

Studio (White) Session 08:30 - 08:45

News from the studio: News from the studio

Chairs : Federica Meloni (Pavia (PV), Italy), Tobias Welte (Hannover, Germany)

08:30 Discussion and Q&A

Studio (White) Session 08:45 - 09:30

Pro-Con debate: Age limit for lung transplant in 2023: is there a barrier?

Aims : to clarify the clinical and ethical issues associated with the age limit and the outcomes of lung transplant in older patients.

Method(s) : Transplantation

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Patient, Thoracic surgeon

Chairs : Federica Meloni (Pavia (PV), Italy), Tobias Welte (Hannover, Germany)

08:45 Pro: age of 65 years is no longer a barrier for lung transplant candidacy
Konrad Hoetzenecker (Wien, Austria)

09:00 Con: age still matters in candidate selection for lung transplantation
Are Martin Holm (Oslo, Norway)

09:15 Discussion and Q&A

Brown 3 Session 09:30 - 10:45

Oral presentation: COVID-19: diagnosis and treatments

Disease(s) : Airway diseases Respiratory critical care

Method(s) : Epidemiology General respiratory patient care Public health Cell and molecular biology Pulmonary function testing Pulmonary rehabilitation Respiratory intensive care

Chairs : Tony De Soyza (Newcastle-upon-Tyne, United Kingdom), Gareth Hynes (Oxford (Oxfordshire), United Kingdom)

Late Breaking Abstract - INNA-051 prophylaxis enhances innate immune responses confirming accelerated viral clearance in a human influenza challenge model.

Francesca Mercuri (Melbourne, Australia), Hayley Mcquiltan, Nicholas West, Ping Zhang, Scott White, Bruce E Miller, Ruth Tal-Singer, Christophe Demaison

Post-Hospitalisation COVID-19 (PHOSP-COVID): a prospective multi-centre UK cohort study

Omer Elneima (Leicester, United Kingdom), Hamish J C Mcauley, Olivia C Leavy, James D Chalmers, Ling-Pei Ho, Alexander Horsley, Michael Marks, Betty Raman, Krisnah Poinasamy, Amisha Singapuri, Rachael A Evans, Chris E Brightling, Louise V Wain

LSC - 2023 - Longitudinal proteomic profiling reveals early onset increase in collagens and (auto-)antibodies in COVID-19 patients

Anna Semenova (Munich, Germany), Taylor Alexander Poor, Philipp Geyer, Ali Oender Yildirim, Theodore S. Kapellos, Alexander V Misharin, Gr Scott Budinger, Herbert B. Schiller

Diagnosis of COVID-19 with enhanced real-time mass spectrometry breath analysis

Stanislas Grassin Delye (Montigny le Bretonneux, France), Camille Roquencourt, Hélène Salvator, Emmanuelle Bardin, Elodie Lamy, Eric Farfour, Naline Emmanuel, Philippe Devillier

Abnormal immune response in patients with persistent lung sequelae after COVID-19

Tamara Cruz Santa Cruz (Barcelona, Spain), Nuria Mendoza, Nuria Albacar, Lidia Perea, Pau Marrades, Carolina Panadero, Odette Viñas, Estibaliz Ruiz, Alvar Agustí, Jacobo Sellares, Oriol Sibila, Rosa Faner

Plasma proteomics of critical COVID-19 patients and the effect of imatinib treatment

Erik Duijvelaar (Amsterdam, Netherlands), Jack Gisby, James E Peters, Harm Jan Bogaard, Jurjan Aman

Expression patterns of Interleukin-33 and its receptor ST2 in severe COVID-19

Caroline Lindö (Lund, Sweden), Natália De Souza Xavier Costa, Premkumar Siddhuraj, Jimmie Jönsson, Jamie M Orengo, Matthew A Sleeman, Sandra Lindstedt, Cecilia Andersson, Luiz Fernando Silva, Armario Nunes Duarteneto, Paulo Hilario Nascimento Saldiva, Caroline Sandén, Thais Mauad, Jonas Erjefält

DIURNAL RHYTHMS IN COVID-19 VACCINE EFFICACY

Guy Hazan (Dvira, Israel), Or Duek, Hillel Alapi, Hiram Mok, Alex Ganninger, Elaine Ostendorf, Carrie Gierasch, Gabriel Chodick, David Greenberg, Jeffrey Haspel

The impact of the COVID-19 pandemic in deaths due to respiratory diseases: A comparative analysis of 2021 and 2020 vs background rates in 2019 in Spain

Joan B Soriano (Madrid, Spain), Adrián Pelaez, Esteve Fernandez, Julio Ancochea

Subtle Pulse Electro-biological Recovery Apparatus (SPERA) as anti-inflammatory treatment for COVID-19 – A Proof of Concept Study

Stefan-Marian Frent (Timisoara, Romania), Graham Giles, Dora Paroczai, Voicu Tudorache, Iosif Marincu, Oana Raduna, Sorin Herban, Marius Marcu, Flavius Pater, Fergus Law, Martin Wise, Cristian Oancea

Discussion and Q&A

Brown 1+2 Session 09:30 - 10:45

Oral presentation: Pathways and mechanisms governing the pathogenesis of asthma and chronic obstructive pulmonary disease

Disease(s) : Airway diseases Respiratory critical care

Method(s) : Epidemiology Cell and molecular biology Physiology General respiratory patient care

Chairs : Gert-Jan Braunstahl (Rotterdam, Netherlands), Astrid Aardenburg - van Huisstede (Alkmaar, Netherlands)

Late Breaking Abstract - Effect of MMP-12 inhibitor, Adermastat-(FP-025), on allergen-induced late response in asthmatic subjects

Zuzana Diamant (Lund, Sweden), Yisheng Lee, Wenjin Yang, Ben Chien, Bassem Elmankabadi, David Lau, Khalid Abd-Elaziz, Arjen Pelgrom, Aeilko Zwinderman, René Lutter

Late Breaking Abstract - Dynamics of the blood innate lymphoid cell compartment in patients with severe asthma undergoing type 2 biologics treatment: Initial findings in the BIOCROSS study

Lorenz Wirth (Huddinge, Sweden), Valentyna Yasinska, Christopher Andrew Tibbitt, Whitney Weigel, Thomas Hochdörfer, Lars I. Andersson, Maria Sparreman-Mikus, Barbro Dahlén, Sven-Erik Dahlén, Jenny Mjösberg

Late Breaking Abstract - Stability of type 2 inflammation in a 12-year adult-onset asthma follow-up study

Ella Flinkman (Tampere, Finland), Iida Vähätalo, Leena Tuomisto, Onni Niemelä, Madeleine Rådinger, Bright Nwaru, Pinja Ilmarinen, Hannu Kankaanranta

Polygenic and transcriptional risk scores identify chronic obstructive pulmonary disease subtypes

Matthew Moll (Boston, United States), Julian Hecker, John Platig, Auyon Ghosh, Katherine Pratte, Davin Hill, Iain Konigsberg, Joe Chiles, Craig Hersh, Peter Castaldi, Kimberly Glass, Jennifer Dy, Don Sin, Ruth Tal-Singer, Majd Mouded, Stephan Rennard, Gary Anderson, Russell Bowler, Jeffrey Curtis, Merry-Lynn McDonald, Edwin Silverman, Michael Cho, Brian Hobbs

Effect of anti-ST2 on blood leukocyte and serum protein levels: insight from a phase IIa, placebo-controlled trial of astegolimab (COPD-ST2OP).

Adam Wright (Leicester (Leicestershire), United Kingdom), Matthew Richardson, Seid Mohammed, Claudia Miceli, Dorothy Cheung, David Cousins, Ahmed Yousuf, Neil Greening, Michele Grimaldeston, David Choy, Christopher Brightling

Prediction of severe asthma clinical phenotypes using molecular profiles of urine eicosanoids

Johan Kolmert (Stockholm, Sweden), Maria Sparreman-Mikus, Bertrand De Meulder, Lars I Andersson, Ian Adcock, Ratko Djukanovic, Sven-Erik Dahlén, Craig E. Wheelock

Infertility in women with asthma – does asthma also exist in the uterus?

Anne Vejen Hansen (København NV, Denmark), Casper Tidemandsen, Henriette Svarre Nielsen, Reza Serizawa, Antje Johanne Katrine Stubsgaard, Elisabeth Juul Gade, Pia Egerup, Lea Langhoff Thuesen, Paul S Foster, Vanessa M McDonald, Peter G Gibson, Charlotte Suppli Ulrik, Nina Cour Freiesleben, Vibeke Backer

Zinc plays an essential role in type 2 cytokine production from ILC2s in asthma

Hiroki Kabata (Tokyo, Japan), Misato Irie, Rie Baba, Yoshitaka Shirasaki, Takashi Kamatani, Mai Yamagishi, Koichi Fukunaga

Innate lymphoid cells type 2 and CD8+ T cells are perturbed in overweight and obese individuals with asthma

Chris Tibbitt (Stockholm, Sweden), Sofia Björkander, Paul Maier, Maura Kere, Simon Kebede Merid, Lorenz Wirth, Whitney Weigel, Jenny Mjösberg, Erik Melén

Charcot-Leyden crystals are associated with airway autoimmune responses in severe asthma

Kiho Son (Hamilton (ON), Canada), Kayla Zhang, Raquel Lopez, Aswathi Nair, Emily Volfson, Katherine Radford, Nicola Calma, Melanie Kjarsgaard, Chynna Huang, Parameswaran Nair, Manali Mukherjee

Discussion and Q&A**Yellow 1+2+3 Session 09:30 - 10:45****Oral presentation: Micro- and macro-environments and respiratory health**

Disease(s) : Airway diseases

Method(s) : Cell and molecular biology Epidemiology Public health Pulmonary function testing General respiratory patient care

Chairs : Rafael E. de la Hoz (New York, United States), Sara De Matteis (Cagliari, Italy)

Late Breaking Abstract - Biomarker profiles differ between lung function trajectories in adults with airway obstruction

Helena Backman (Lulea, Sweden), Jonas Eriksson-Ström, Anders Lundquist, Caroline Stridsman, Linnea Hedman, Eva Rönmark, Anders Blomberg, Anne Lindberg

Antimicrobial resistance genes in the upper respiratory tract of COPD patients and controls in relation to air pollution from livestock farms

Beatrice Cornu Hewitt (Utrecht, Netherlands), Alex Bossers, Warner Van Kersen, Myrna De Rooij, Lidwien A.M. Smit

Association between indoor bacterial communities, lung function and airway inflammation

Hesham Amin (Bergen, Norway), Christine Cramer, Christine Drengenes, Kai Finster, Francisco Gomez Real, Thorarinn Gislason, Mathias Holm, Christer Janson, Nils Oskar Jögi, Rain Jogi, Andrei Malinovschi, Ian P.G. Marshall, Lars Modig, Dan Norbäck, Rajesh Shigdel, Torben Sigsgaard, Cecilie Svanes, Hulda Thorarinsdottir, Inge M. Wouters, Tina Šantl-Temkiv, Vivi Schlünssen, Randi J. Bertelsen

Ambient air pollution exposure linked to long COVID among Swedish young adults

Zhebin Yu (solna, Sweden), Sandra Ekström, Tom Bellander, Petter Ljungman, Göran Pershagen, Kristina Eneroth, Inger Kull, Anna Bergström, Antonios Georgelis, Massimo Stafoggia, Olena Gruziova, Erik Melén

The residential green environment and lung function into adolescence in European birth cohorts. A CADSET initiative

Carlos Valencia-Hernandez (London, United Kingdom), Ulrike Gehring, Gerard H. Koppelman, Marie Standl, Claudia Flexeder, Tamara Schikowski, Sara Kress, Erik Melén, Olena Gruziova, Judith Garcia-Aymerich, Sara Koch, Chloe I. Bloom, Elaine Fuertes

Air pollution modifies the association between greenness and the development of allergic rhinitis up to 27 years of age: The Espoo Cohort Study

Inês Paciência (Oulu, Finland), Aino K. Rantala, Harri Antikainen, Jan Hjort, Timo T. Hugg, Maritta S. Jaakkola, Jouni J.K. Jaakkola

Long-term exposure to air pollution and the risk of obstructive lung disease in a Danish nationwide analysis

Rina So (London, United Kingdom), Youn-Hee Lim, Jiawei Zhang, Laust Mortensen, Kees De Hoogh, Steffen Loft, George Napolitano, Thomas Cole-Hunter, Stéphane Tuffier, Marie Bergmann, Matija Maric, Bert Brunekreef, Gerard Hoek, Zorana Andersen

Long-term exposure to ambient ozone and lung function decline over 20 years in a prospective cohort of adults: The ECRHS study

Joachim Heinrich (München, Germany), Tianyu Zhao

Influence of improved cookstove in rural Rwanda on indoor air pollution and lung function

Henning Kothe (Hamburg, Germany), Andrea Cuesta, Leisel Madueno, Mira Pöhlker, Alan Mubiru, Christine Muhongerva, Jan Rupp

Economic and environmental impact of the non-clinical change of inhaler devices for COPD and asthma in Spain

Joan B Soriano (Madrid, Spain), Miriam Solozabal-Coll, Jose Vicente Galindo, Oriol Solà-Morales

Discussion and Q&A

Blue 1+2

Session

09:30 - 10:45

Oral presentation: Paediatric bronchology: next generation**Disease(s) :** Interstitial lung diseases Respiratory critical care**Method(s) :** Endoscopy and interventional pulmonology General respiratory patient care Epidemiology Pulmonary function testing Transplantation Cell and molecular biology**Chairs :** Raffaella Nenna (Rome, Italy), Nadine Freitag (Krefeld, Germany)**Childhood interstitial lung disease in Turkey: First data from the national registry**

Halime Nayır Büyüksahin (Ankara, Turkey), Nagehan Emiralioğlu, Ayşe Ayzıt Kılınç, Saniye Girit, Ebru Yalçın, Tuğba Şişmanlar Eyüboğlu, Nazan Çobanoğlu, Güzin Cinel, Sevgi Pekcan, Yasemin Gökdemir, Berna Oğuz, Diclehan Orhan, Deniz Doğru, Uğur Özçelik, Azer Kılıç Başkan, Hüseyin Arslan, Haluk Çokuğraş, Zeynep Reyhan Onay, Sinem Can Oksay, Deniz Mavi Tortop, Ayşe Tana Aslan, Handan Kekeç, Fazılcan Zirek, Merve Nur Tekin, Figen Gülen, Bahar Girgin Dindar, Sanem Eryılmaz Polat, Salih Uytun, Aslı İmran Yılmaz, Gökçen Ünal, Ela Erdem Eralp, Bülent Karadağ, Melih Hangül, Mehmet Köse, Beste Özsezen, Erkan Çakır, Ayşen Bingöl, Mina Gharibzadeh Hızal, Gökçen Oztürk, Zeynep Seda Uyan, Tuğba Ramaslı Gürsoy, Derya Ufuk Altıntaş, Nural Kiper, . Child-Turkey-Collaboration

Analysis of risk factors for protracted bacterial bronchitis in infancy and long-term sequelae

Anne Schlegtehdal (Bochum, Germany), Karen Brückner, Jan Hermann, Stefanie Dillenhöfer, Christoph Maier, Folke Brinkmann, Cordula Koerner-Rettberg

The effect of nutritional parameters on the prognosis of childhood interstitial lung diseases

Nagehan Emiralioğlu (Ankara, Turkey), Tuğba Ramaslı Gürsoy, Matthias Griese, Elias Seidl, Nicolaus Schwerk, Julia Carlens, Martin Wetzke, Steve Cunningham, Joanna Lange, Katarzyna Krenke, Zsolt Szepefalusi, Florian Stehling, Winfried Baden, Susanne Hämmerling, Silvija-Pera Jerkic, Marijke Proesmans, Nicola Ullmann, Deborah Snijders, Frederik Buchvald, Antonio Moreno Galdo, Nadia Nathan, Ralph Epaud, Andy Bush, Ayşe Tana Aslan, Nazan Cobanoglu, Nural Kiper

Paediatric lung transplantation for children with interstitial lung disease: A 12-year single-center analysis of underlying ChILD diagnoses and outcome

Julia Carlens (Hannover, Germany), Nicolaus Schwerk, Carsten Müller, Katharina Schütz, Florian Länger, Gesine Hansen, Jawad Salman, Dmitry Bobylev, Fabio Ius

Lung function and respiratory complications in children and young people born with oesophageal atresia and/or tracheoesophageal fistula: a 20 year experience

Katie Rose (Liverpool (Merseyside), United Kingdom), Philip Lawrence, Jonathan Ducey, Fiona Murphy, Rebecca Thursfield

Serum biomarkers in persistent tachypnea of infancy (CRC chILD-EU)

Honorata Marczak (Warszawa, Poland), Joanna Peradzyńska, Magdalena Paplińska-Goryca, Paulina Misiukiewicz-Stępień, Małgorzata Proboszcz, Katarzyna Krenke

Respiratory response to chronic aspirations in children

Nadine Freitag (Krefeld, Germany), Thi Minh Thao Lea Nguyen, Katrin Krug

Flexible bronchoscopy in pediatric patients with Down syndrome: a case-control study of the indications, findings, and complications

Noga Arwas (Beer Sheva, Israel), Aviv Goldbart, Micha Aviram, Yotam Dizitzer, Itay Pansky, Inbal Golan- Tripto

IgG4-related respiratory disease: a retrospective study of 115 patients

Shoko Matsui (Toyama, Japan), Hiroshi Yamamoto, Seijiro Minamoto, Tomohiro Handa, Yuko Waseda, Aki Matsui, Masamichi Komatsu, Seisuke Okazawa, Akira Hebisawa, Motohisa Yamamoto, Hiroki Takahashi, Masataka Umeda, Tomoki Origuchi, Takako Saeki

Discussion and Q&A

Red 1+2	Session	09:30 - 10:45
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Oral presentation: OP/RCT

Discussion and Q&A

Studio (White)	Session	10:00 - 10:50
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Experts interview: Preparing for the next pandemic/respiratory physiotherapy in children**Chairs :** Sejal Saglani (London, United Kingdom), Ioannis Vogiatzis (Blyth, United Kingdom)**10:00** **Preparing for the next pandemic: zoonoses and global epidemics****10:15** **Discussion and Q&A****10:25** **Respiratory physiotherapy in children**
Kris Ides (Antwerpen, Belgium)**10:40** **Discussion and Q&A**

Silver	Session	10:15 - 11:45
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Symposium: Difficult treatment decisions in pulmonary hypertension**Aims :** to discuss different treatment possibilities for pulmonary hypertension (PH) patients with right heart failure, including the use of catecholamines, the impact of mechanical ventilation and the use of extracorporeal membrane oxygenation; to describe the risks of pregnancy in patients with pulmonary arterial hypertension (PAH), including the risks in delivery and the postpartum period; to discuss different clinical approaches to pregnancy in PAH patients; to discuss the difficulties in treating elderly PAH patients with multiple comorbidities; to highlight care of end-stage PAH patients and options for palliative care.**Disease(s) :** Pulmonary vascular diseases Respiratory critical care**Method(s) :** Palliative care Respiratory intensive care**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Patient, Respiratory therapist**Chairs :** Marc Humbert (Le Kremlin-Bicêtre, France), Katerina Antoniou (Heraklion, Greece), Thomas Koudstaal (Rotterdam, Netherlands)**10:15** **Managing PH patients with right heart failure in the intensive care unit**
Laurent Savale (Le Kremlin-Bicêtre, France)

- 10:30 Pregnancy and PAH**
Silvia Ulrich (Zurich, Switzerland)
-
- 10:45 Idiopathic PAH patients with risk factors for heart and lung disease**
Harm Jan Bogaard (Amsterdam, Netherlands)
-
- 11:00 Palliative care in pulmonary hypertension**
Wendy Gin-Sing (London, United Kingdom)
-
- 11:15 Discussion and Q&A**
-

Coral 4+5 Session 10:15 - 11:45

Symposium: New insights into diagnostic aspects of sleep-disordered breathing

Aims : to describe new insights from recent clinical trials and meta-analyses about the diagnosis of sleep-disordered breathing (SDB); to address different important aspects such as new diagnostic tools, including cardiovascular parameters and artificial intelligence, and their technical standards and clinical implications; to evaluate the pathophysiological traits of SDB from routine polysomnography or polygraphy signals and their role in the evaluation of SDB severity; to discuss the importance of new biomarkers and the diagnostic approach in patients with excessive daytime sleepiness.

Disease(s) : Respiratory critical care Sleep and breathing disorders

Method(s) : Epidemiology Physiology Public health

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist

Chairs : Winfried J. Randerath (Solingen, Germany), Sophia E. Schiza (Heraklion, Greece), Matteo Bradicich (Zollikoberg, Switzerland)

- 10:15 New diagnostic tools for SDB: from technical standards to artificial intelligence and clinical implications**
Renata L. Riha (Edinburgh (Edinburgh), United Kingdom)
-
- 10:30 Biochemical biomarkers: do they have a role in the diagnosis of SDB?**
Malcolm Kohler (Zürich, Switzerland)
-
- 10:45 Pathophysiological traits: how to determine in routine polysomnography/polygraphy and translate into clinical decisions?**
Winfried J. Randerath (Solingen, Germany)
-
- 11:00 Diagnostic approach of excessive daytime sleepiness**
Maria Rosaria Bonsignore (Palermo, Italy)
-
- 11:15 Discussion and Q&A**
-

Coral 1 Session 10:15 - 11:45

Symposium: Exocited: the importance of extracellular vesicles in lung disease

Aims : to present leading avenues of investigation that will enhance the participants' understanding of extracellular vesicle research in different lung diseases, their contribution to (patho)physiology and therapeutic strategies employing/targeting extracellular vesicles; to focus on current advances in our knowledge of extracellular vesicles; to discuss how the integration of cutting-edge technologies can help increase understanding of their contribution to lung diseases; to discuss preclinical development of therapeutic strategies harnessing extracellular vesicles as a therapeutic target or biomarker, together with scientific advancements that may direct current and future therapeutic development. to describe proper isolation techniques for extracellular vesicles and the need for associated quality control parameters; to discuss the potential for developing therapies and biomarkers based on extracellular vesicles and opportunities for future studies; to explain the roles of extracellular vesicles in chronic obstructive pulmonary disease, idiopathic pulmonary fibrosis and COVID-19.

Disease(s) : Airway diseases Interstitial lung diseases Respiratory infections

Method(s) : Cell and molecular biology

Tag(s) : Basic science

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Respiratory critical care physician, Paediatrician, Pathologist, Physician in Pulmonary Training, Physiologist, Scientist (basic, translational), Journalist

Chairs : Niki L. Reynaert (Maastricht, Netherlands), Christopher E. Brightling (Leicester (Leicestershire), United Kingdom), Sara Cuevas Ocaña (Nottingham, United Kingdom)

- 10:15 Deciphering extracellular vesicle cargo and its implications for pulmonary fibrosis**
Olivier Burgy (Dijon, France)
-

10:30	Extracellular vesicles as a biomarker in ageing-related lung disease Louise Donnelly (London, United Kingdom)
10:45	An extracellular vesicle-based vaccine against SARS-CoV-2 Kenneth Witwer (Baltimore, United States)
11:00	Mesenchymal stem cell-derived extracellular vesicles as executors of host cell reprogramming in acute respiratory distress syndrome Anna Krasnodembskaya (Belfast (Belfast), United Kingdom)
11:15	Discussion and Q&A

Coral 3 Session 10:15 - 11:45

Hot topics: Emerging evidence to improve quality of survival after critical illness

How can we best manage the rehabilitation needs of intensive care unit survivors?

Aims : to address issues pertaining to the optimal frequency, modality and timing of early rehabilitation in critically ill patients based on the results of a recent landmark multicentre trial; to discuss the role of respiratory muscle conditioning in improving weaning outcomes and functional recovery of mechanically ventilated patients based on the results of the recent IMPROVE randomised trial; to increase awareness of the complicated and persistent morbidity and resulting rehabilitation needs that follow critical illness, reviewing recent studies on outcomes after critical illness; to provide experts with guidance on how to design a personalised rehabilitation program for intensive care unit survivors.

Disease(s) : Airway diseases Interstitial lung diseases Respiratory critical care

Method(s) : General respiratory patient care Pulmonary rehabilitation Respiratory intensive care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Thoracic surgeon, Respiratory therapist

Chairs : Peter J. Wijkstra (Groningen, Netherlands), Heleen Demeyer (Leuven, Belgium)

10:15	Lessons from the TEAM trial on early mobilisation of critically ill patients Carol Hodgson (Malbourne, Australia)
10:30	Effectiveness of respiratory muscle training for improving weaning outcomes and functional recovery in mechanically ventilated patients Daniel Langer (Leuven, Belgium)
10:45	Multidimensional disability after critical illness: implications for rehabilitation
11:00	How to build a personalised rehabilitation program for intensive care unit survivors? Carolyn Rochester (New Haven, United States)
11:15	Discussion and Q&A

Coral 2 Session 10:15 - 11:45

Respiratory medicine meets other disciplines: Acute respiratory infections: what's new?

A joint ERS/European Scientific Working Group on Influenza (ESWI) session

Aims : to provide an update about the latest data on the evolution, epidemiology, pathogenesis, prevention and treatment of influenza, COVID-19 and other respiratory virus infections; to discuss the disease pathogenesis with a focus on systemic and mucosal biomarkers; to discuss strategies to prevent infection by vaccination and management of viral infections.

Disease(s) : Respiratory critical care Respiratory infections

Method(s) : Epidemiology General respiratory patient care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, General practitioner, Nurse, Respiratory critical care physician, Scientist (basic, translational)

Chairs : Albert Osterhaus (Hannover, Germany), Michael Loebinger (London, United Kingdom), Sara Tomassetti (Florence, Italy)

10:15	The pathogens: worldwide evolution and epidemiology of acute respiratory viruses Collin Russell (Amsterdam, Netherlands)
10:30	The host response: pathogenesis of disease focusing on systemic and mucosal biomarkers Peter Openshaw (London, United Kingdom)

10:45 Prevention: strategies to prevent infection by vaccination and other measures
Hanna Nohynek (Helsinki, Finland)

11:00 Treatment: should we manage all viral infections like COVID? Proning, continuous positive airway pressure and steroids
Maxime Patout (Paris, France)

11:15 Discussion and Q&A

Gold Session 10:15 - 11:45

Clinical cases: Imaging of environment-induced changes in the lung Imaging in the era of air pollution

Aims : to explain which common respiratory disorders are related to air pollution and environmental changes, and to explain when imaging is necessary in these cases and the associated imaging findings.

Disease(s) : Airway diseases Interstitial lung diseases Respiratory infections

Method(s) : General respiratory patient care Imaging Public health

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Journalist

Chairs : Walter De Wever (Leuven, Belgium), Daiana Stolz (Freiburg, Germany), Amanda Dandanell Juul (Odense S, Denmark)

10:15 Hypersensitivity pneumonitis, including Q&A

10:37 Asthma, rhinosinusitis and COPD, including Q&A
Anna Kerpel-Fronius (Budapest, Hungary)

10:59 Environmental exposure: pneumoconosis, including Q&A
Johny Verschakelen (Leuven, Belgium)

11:21 Respiratory infection in the era of a changed climate, including Q&A
Eva Polverino (Barcelona, Spain)

Purple Session 10:15 - 11:45

Mini symposium: Rise of the machines: advances in home mechanical ventilation

Aims : to describe the advances in home mechanical ventilation that are important for inpatient and outpatient treatment.

Disease(s) : Respiratory critical care Sleep and breathing disorders

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Patient, Respiratory physiotherapist, Respiratory therapist

Chairs : Joana Cruz (Leiria, Portugal), Christian Karagiannidis (Cologne, Germany), Jellien Makonga-Braaksma (Woudenberg, Netherlands)

10:15 Advances in physiology of chronic respiratory failure
Wolfram Windisch (Cologne, Germany)

10:30 Do we need new modes of home mechanical ventilation in COPD?
Patrick B. Murphy (Oxted (Surrey), United Kingdom)

10:45 The good, the bad and the ugly of home mechanical ventilation telemonitoring
Marieke L. Duiverman (Groningen, Netherlands)

11:00 Discussion and Q&A

10:30-11:15

INDUSTRY SKILLS LAB WORKSHOP

SEE PAGE 1

ERS Stand/World Village Session 10:30 - 11:30

Patient: Coffee and clean air -2

Amber 3+4 Session 10:40 - 13:00

Skills workshop: SW8 Practicalities of spirometry and whole-body plethysmography

Aims : to help attendees gain the technical expertise needed to perform spirometry and whole-body plethysmography according to both best practice and the latest recommendations that are supported by experts in the field; to explain the measurements of spirometry, static lung volumes, airway resistance and resistance-volume loops via whole-body plethysmography; to discuss the technical aspects of the body box, standardisation of test performance, reporting and case study interpretation.

Disease(s) : Airway diseases Paediatric respiratory diseases

Method(s) : Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Paediatrician, Physician in Pulmonary Training, Physiologist

Chairs : Frits M.E. Franssen (Horn, Netherlands)

10:40 Introduction

10:40 **Performing spirometry**
Matthew Rutter (Cambridge (Cambridgeshire), United Kingdom)

10:40 **Standardised static lung volume measurement using whole-body plethysmography**
Monique Wapenaar - De Korver (Vlaardingen, Netherlands)

10:40 **Measurement of airway resistance and resistance-volume loops using whole-body plethysmography**
Rachel Ong-Salvador (Amsterdam, Netherlands)

10:40 **Reporting and interpretation of case studies**
Gregory King (Sydney (NSW), Australia)

Amber 1+2 Session 10:40 - 13:00

Skills workshop: SW5 Interpretation of cardiopulmonary exercise tests

Tips and pitfalls in cardiopulmonary exercise testing assessment

Aims : to identify typical patterns of responses to cardiopulmonary exercise testing and to demonstrate how to discriminate these from anomalous response profiles, which can cause misinterpretation of test results.

Disease(s) : Airway diseases Interstitial lung diseases Pulmonary vascular diseases

Method(s) : Physiology Pulmonary function testing Pulmonary rehabilitation

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Paediatrician, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist

Chairs : William Stringer (Long Beach, United States)

10:40 Introduction

10:40 **Relationship between oxygen uptake and work rate**
Paolo Onorati (Alghero (SS), Italy)

10:40 **Anaerobic/lactate threshold**
Luis Puente Maestu (Madrid, Spain)

10:40 **Ventilatory efficiency**
Andrew Ramsook (Rochester, United States)

10:40 **Breathing pattern and dynamic hyperinflation**
Pierantonio Laveneziana (Paris, France)

Blue 1+2 Session 11:00 - 12:15

Oral presentation: Best abstracts in respiratory physiotherapy

Disease(s) : Interstitial lung diseases Airway diseases Respiratory critical care Sleep and breathing disorders

Method(s) : General respiratory patient care Pulmonary rehabilitation Respiratory intensive care Physiology

Chairs : Martijn A. Spruit (Horn, Netherlands)

Late Breaking Abstract - Contributing factors of fatigue in COPD: results from the FANTASTIGUE study

Maarten Van Herck (Diepenbeek, Belgium), Yvonne M. J. Göertz, Zjale Ebadi, Chris Burtin, Jeannette B. Peters, Melissa S. Y. Thong, Jean W. M. Muris, Emiel F. M. Wouters, Judith Prins, Mirjam A. G. Sprangers, Jan H. Vercoulen, Daisy J. A. Janssen, Martijn A. Spruit

Longtime follow-up on exercise capacity and quality of life in people with Cystic Fibrosis receiving Elexacaftor, Tezacaftor and Ivacaftor – a Copenhagen cohort

Lue Katrine Drasbæk Philipsen (Copenhagen, Denmark)

Effects of core stabilization exercises on respiratory muscle strength in children with cystic fibrosis

Kübra Kılıç (Ankara, Turkey), Naciye Vardar-Yagli, Deniz Dogru, Melda Saglam, Ebru Calik-Kutukcu, Nagehan Emiralioglu, Ebru Yalcin, Ugur Ozcelik, Nural Kiper, Deniz Inal-Ince

Inspiratory muscle training for dyspnea management in people with unilateral diaphragm dysfunction

Michele Schaeffer (Leuven, Belgium), Zafeiris Louvaris, Antenor Rodrigues, Diego Poddighe, Ghislaine Gayan-Ramirez, Tin Gojevic, Linde Geerts, Elise Heyndrickx, Marine Van Hollebeke, Luc Janssens, Rik Gosselink, Dries Testelmans, Daniel Langer

Comparison of respiratory muscle activations in different dyspnea reduction positions in individuals with COPD

Çeyhun TOPCUOĞLU (ANKARA, Turkey), Eylem Tütün Yümin, Melda Sağlam, Tamer Çankaya, Suat Konuk, Emine Özseri, Merve Başol Göksülük

Exertional Desaturation During the 6-Minute Walking Test Versus Daily Life in People with Fibrotic Interstitial Lung Disease

Mariana Hoffman (Melbourne (VIC), Australia), Nick Wong, Angela T. Burge, Anne E. Holland

Heart rate and oxygen consumption post-exercise recovery kinetics before and after eight weeks of resistance training in people with COPD versus matched controls

Andre Nyberg (Umeå, Sweden), Joren Buekers, Jana De Brandt, Lori Desroches, Didier Saey, Mickael Martin, Francois Maltais

Effects of pulmonary rehabilitation during acute exacerbations of COPD

Ana Filipa Machado (Senhora da Hora, Porto, Portugal), Cíntia Dias, António Pedro Gonçalves, Chris Burtin, Alda Marques

Effects of intrapulmonary percussive ventilation in critical care patients: A randomised controlled trial

Anwar Hassan (Glenmore Park, Australia), Fiona Fitzsimons, Deepa Shetty, Richard Evans, Jennifer Alison, Stephen Huang, Maree Milross

Paediatric MI-E therapy; three treatment strategies' impact on comfort and cough flows

Brit Hov (Oslo, Norway), Tiina Andersen, Michel Toussaint, Cathrine Brunborg, Ingvild Bruun Mikalsen, Maria Vollsæter, Vegard Hovland

Discussion and Q&A

Yellow 1+2+3

Session

11:00 - 12:15

Oral presentation: Innovations in pulmonology

Disease(s) : Airway diseases Respiratory critical care Interstitial lung diseases

Method(s) : Cell and molecular biology Imaging Physiology

Chairs : Nahal Mansouri (Lausanne, Switzerland), Raquel Guillamat Prats (Badalona, Spain)

Late Breaking Abstract - Claudin-1 is a potential airway-centric therapeutic target for pulmonary fibrosis

Geoffrey Teixeira (Allschwil, Switzerland), Emanuela Elsa Cortesi, Vincent Anquetil, Elisa Polini, Sven Blüme, Hussein El Saghire, Laurent Mailly, Thomas Baumert, Antje Prasse, Alberto Toso, Markus Meyer, Stephen Toovey, Luigi Manenti, Roberto Iacone, Frauke Christ, Bart Vanaudenaerde, Marianne Carlon, Wim Wuyts

Spatiotemporal analysis of inflammaging and senescence programs in lung fibrosis using time-resolved single-cell transcriptomics and multiplexed immunofluorescence

(,), Mareike Lehmann, Meshal Ansari, Konstantin Wiedemann, M. Camila Melo-Narváez, Carina Steinchen, R. Christoph Jentzsch, Christoph Mayr, Yuexin Chen, Niklas Lang, Ahmed Agami, Ilias Angelidis, Shuhong Zhou, Melanie Königshoff, Fabian Theis, Herbert Schiller

Modelling the support function of vascularized lung endothelial cells for alveolar progenitor function using an alveolus-on-chip

Abilash Ravi (Leiden, Netherlands), Tarek Gensheimer, Xinhui Wu, Jill R. Johnson, Martin C. Harmsen, Reinoud Gosens, Pieter S. Hiemstra, Andries D. Van Der Meer, Anne M. Van Der Does

A spatially resolved extracellular matrix proteome atlas of the distal human lung

Yuexin Chen (München, Germany), Janine Gote-Schniering, Michaela Müller, Pascal Albanese, Andris Jankevics, R. Christoph Jentzsch, Aleksandra Tata, Meshal Ansari, Laurens De Sadeleer, Lin Yang, Lukas Heumos, Ahmed Agami, Shuhong Zhou, Christoph H. Mayr, Rudolf Hatz, Christian P. Schneider, Jürgen Behr, Anne Hilgendorff, Ali Oender Yildirim, Mircea-Gabriel Stoleriu, Peter Dorfmueller, Fabian J. Theis, Purushothama Rao Tata, Malte D. Luecken, Richard A. Scheltema, Herbert B. Schiller

Single cell spatial analysis of lungs from patients with fatal COVID-19 reveals a cellular network marked by inflammatory foci of immature neutrophil and CD8 T cells localised to alveolar progenitor cells

Ling-Pei Ho (Oxford (Oxfordshire), United Kingdom), Praveen Weeratunga, Laura Denney, Joshua Bull, Emmanouela Repapi, Martin Sergeant, Chaitanya Vuppusetty, C Cosmic Consortium, Helen Byrne, Stephen Taylor

Pulmonary acute lung injury causes behavioral changes, oxidative stress imbalance, and reduced brain nicotinic receptors expression

Stephanie Nonato de Castro (Santos, Brazil), Priscila S Barbosa, Vitoria C De Queiroz, Nathalia M Pinheiro- Menegasso, Beatriz M Fujihara, José Ivo A Beserra, Ana Cláudia Custódio, Iolanda De Fátima Lc Tibério, Rodrigo P Ureshino, Rafael H Lambertucci, Ayman K Hamouda, Roberta Ss Yamaguchi, Alessandra M Ribeiro, Carla M Prado

Pulmonary endothelial cells support human alveolar epithelial repair and regeneration

Abilash Ravi (Leiden, Netherlands), Britte F. Van Der Vliet, Xinhui Wu, Anne M. Van Der Does, Andries D. Van Der Meer, Jill R. Johnson, Martin C. Harmsen, Reinoud Gosens, Pieter S. Hiemstra

Humanized mouse lung can be infected by SARS-CoV-2

Wei Zuo (Shanghai, China), Yueqing Zhou, Yuanfei Zhu, Gaowei Hu, Shujuan Du, Yu Zhao, Qiao Wang, Qiang Deng

Combined treatments promoting the functional integrity of cystic fibrosis airway epithelia

Emmanuelle Brochiero (Montréal (QC), Canada), Damien Adam, Sarah Moustadraf, Benjamin Orcese, Émilie Maillé, Manon Ruffin, Geoffrey McKay, Guillaume Millette, François Malouin, Christelle Coraux, Dao Nguyen

Elementary, my lung fibrosis: unravelling elemental aspects in IPF pathology

Bryan Falcones (Malmö, Sweden), Maik Kahnt, Barbora Michaliková, Ulf Johansson, Linda Elowsson, Karina Thånell, Gunilla Westergren-Thorsson

Discussion and Q&A**Red 1+2 Session 11:00 - 12:15****Oral presentation: Novel treatment options for pulmonary fibrosis**

Disease(s) : **Interstitial lung diseases** **Sleep and breathing disorders**

Method(s) : General respiratory patient care Cell and molecular biology Physiology

Chairs : Julien Guiot (Liège, Belgium), Elisabetta Renzoni (London, United Kingdom)

Late Breaking Abstract - A KIF15 missense variant is associated with a distinct prognostic clinical phenotype in idiopathic pulmonary fibrosis

Mari Ainola (Helsinki, Finland), Maria Hollmén, Atte Laaka, Juulia Partanen, Jukka Koskela, Eva Sutinen, Riitta Kaarteenaho, Marjukka Myllärniemi

Late Breaking Abstract - Efficacy and safety of DANAZOL for pulmonary fibrosis associated with telomere related gene mutation

Raphaël Borie (Paris, France), Flore Sicre De Fontbrune, Stéphane Jouneau, Vincent Cottin, Gregoire Prevot, Hilario Nunes, Louis Terriou, Sylvain Marchand-Adam, Bruno Crestani, Anne Bergeron, Ambroise Marcais, Aurelie Plessier, Elodie Lainey, Caroline Kannengiesser, Matthieu Resche-Rigon, The Orphalung Network

A Novel Interleukin-11 Receptor Antibody, LASN01 Is Well Tolerated and Demonstrates Target Engagement in Phase 1

Puneet Arora (Redwood City, United States), Jason Lickliter, Barbara Richardson, James Swaney, Toni Jun, Deborah Harris, Jeffrey Hartung, Matias Portela, David King

Nebulised pirfenidone in idiopathic pulmonary fibrosis (IPF): first look at FVC data

Alex West (London, United Kingdom), Alexandra Lawrence, Hao Bao, Deepthi Nair, Courtney Thompson, Felix Woodhead

Post hoc pooled analyses of open-label and randomized controlled trials of senolytics dasatinib and quercetin in Idiopathic Pulmonary Fibrosis

Dean Kellogg (San Antonio, United States), Anoop Nambiar, Jaime Justice, Martin Goros, Jonathan Gelfond, Rodolfo Pascual, Shahrukh Hashmi, Michal Masternak, Larissa Prata, Nathan Lebrasseur, Andrew Limper, Steven Kritchevsky, Nicholas Musi, Tamar Tchkonina, James Kirkland

Effect of BI 1015550, a preferential PDE4B inhibitor, on gene expression profiles and lung function in IPF

Luca Richeldi (Roma, Italy), Janine Roy, Ramona Schmid, Christian Hesslinger, Toby M. Maher

Safety and efficacy study of ACT001 in IPF and fILD patients

Ian Glaspole (Melbourne (VIC), Australia), Dongpo Cai, Dan Chambers

Treatment of obstructive sleep apnoea in patients with interstitial lung disease improves quality of life and survival

Katherine Myall (London, United Kingdom), Alex West, Jennifer Martinovic, Zhe Wu, Toby M Maher, Philip Molyneaux, Eui-Sik Suh, Brian D Kent

A feasibility, wait-list design randomised controlled trial of a complex breathlessness intervention in idiopathic pulmonary fibrosis (BREEZE-IPF)

Dominic Sykes (Hull, United Kingdom), Caroline Wright, Simon P Hart, Victoria Allgar, Anne English, Flavia Swan, Judith Dyson, Gerry Richardson, Maureen Twiddy, Judith Cohen, Andrew Simpson, Chao Huang, Miriam Johnson, Michael G Crooks

A Randomized, Embedded, Multifactorial Adaptive Platform trial for ILD (REMAP-ILD): The conceptual design

Tejaswini Kulkarni (Homewood, United States), Leticia Kawano-Dourado, Kerri Johansson, Sydney Montesi, Pilar Rivera-Ortega, Wendy Adams, Maria Molina, Nazia Chaudhuri, Christopher J. Ryerson, Gary M. Hunninghake, Anne E. Holland, Steven D. Nathan, Lucilla Piccari, Sally Singh, Michael Kreuter, Gisli R. Jenkins

Discussion and Q&A**Brown 1+2 Session 11:00 - 12:15****Oral presentation: New mechanisms and novel insights in chronic obstructive pulmonary disease and chronic cough****Disease(s) :** Airway diseases**Method(s) :** Cell and molecular biology General respiratory patient care Physiology Imaging Epidemiology Public health Pulmonary rehabilitation**Chairs :** Alexander Mathioudakis (Stockport, United Kingdom), Lies Lahousse (Ghent, Belgium)**Late Breaking Abstract - A first-in-human study of ARO-RAGE, an RNAi therapy designed to silence pulmonary RAGE expression**

Mark O'Carroll (Auckland, New Zealand), John Huetsch, James Hamilton, Lindsey Moser, Sudar Alagarsamy, Matthias Salathe

Inhaled Ensifentrine, decreased healthcare research utilization and reduced moderate exacerbation rate and risk in COPD over 24 Weeks

Henrik Watz (Großhansdorf, Germany), Tara Rheault, Thomas Bengtsson, Kathleen Rickard

Vitamin K status is associated with CT-quantified emphysema severity: results from COSYCONET

Ianthe Piscaer (Maastricht, Netherlands), Rob Janssen, Robert Bals, Jürgen Biederer, Christian Herr, Rudolf Jörres, Leon Schurgers, Claus Vogelmeier, Emiel Wouters, Peter Alter, Frits Franssen

The effect of different inhaled corticosteroids on airway bacterial load and the microbiome in COPD: a randomized controlled trial

Hollian Richardson (Dundee, United Kingdom), Holly R Keir, Clare Clarke, Daniela Alferes De Lima, Abirami Veluchamy, Petra Rauchhaus, Thomas Pembroke, Megan Crichton, Jennifer Pollock, Simon Finch, Alison J Dicker, Pauline Billingham, Furrah Hussain, Margaret Band, Andrew Smith, Manish Patel, Mohammad Paracha, Gourab Choudhury, Devesh Dhasmana, Rekha Chaudhuri, Philip M Short, James D Chalmers

Oral corticosteroid use and sarcopenia-related traits in older people with chronic airway disease.

Lies Lahousse (Ghent, Belgium), Elizabeth Benz, Johnmary Arinze, Sara Wijnant, Maria De Ridder, Fernando Rivadeneira, Guy Brusselle, Bruno Stricker

Lifestyle interventions to reduce particulate matter exposure in patients with COPD

Jieun Kang (Goyang, Republic of Korea), Ji Ye Jung, Hyun Woo Ji, Hwan-Cheol Kim, Sei Won Lee

Blood eosinophil counts in younger smokers from the Early COPD Development Partnership

Augusta Beech (Manchester, United Kingdom), Andrew Ritchie, Andras Bikov, Gavin C Donaldson, Luana Alves-Moreira, Peter Calverley, Jørgen Vestbo, Jadwiga A Wedzicha, Dave Singh

Blood eosinophil count (BEC) measured before starting inhaled corticosteroids (ICS) is better associated with treatment response to ICS in COPD.

Alexander Mathioudakis (Stockport, United Kingdom), Sebastian Bate, Pradeesh Sivapalan, Jens-Ulrik Jensen, Dave Singh, Jørgen Vestbo

Improvements in Leicester Cough Questionnaire Subdomains in a Phase 2b Trial of Camlipixant in Refractory Chronic Cough

Surinder S. Birring (London, United Kingdom), Jaclyn Smith, Alyn Morice, James Hull, Mandel Sher, Sylvain Lanouette, Ronghua Yang, Laurent Harvey, Margaret Garin, Catherine M. Bonuccelli

Gefapixant efficacy and safety in participants with history of refractory or unexplained chronic cough for ≥ 1 vs < 1 year

Imran Satia (Hamilton, Canada), Surinder S. Birring, Lorcan McGarvey, Jaclyn A. Smith, Susan Lu, Allison Martin Nguyen, Jin Xu, Paul Reyfman, Eduardo Urdaneta, George Philip, Carmen La Rosa

Discussion and Q&A**Brown 3****Session****11:00 - 12:15****Oral presentation: Interventional pulmonology: exploring new frontiers****Disease(s) :** Thoracic oncology Airway diseases**Method(s) :** Endoscopy and interventional pulmonology Pulmonary rehabilitation Surgery**Chairs :** Jouke T. Annema (Amsterdam, Netherlands), Michela Bezzi (Brescia, Italy)**Late Breaking Abstract - Post-removal pneumothorax with and without chest tube clamping in patients with pleural disease: a randomized controlled trial**

Sebastian Rodriguez Llamazares (Ciudad de México, Mexico), Pablo Olivas Melendez, Ivan Armando Osuna Padilla, Luis Joel Arroyo Hernandez, Maximiliano Diaz Menindez, Fabiana Georgina Muñoz Bastidas, Paulina Velasco Riestra, Esmeralda Gordillo Valdés

Diagnostic efficacy of cryobiopsy for peripheral pulmonary lesions: a propensity score-matched analysis

Hideaki Furuse (Tokyo, Japan), Yuji Matsumoto, Keigo Uchimura, Tatsuya Imabayashi, Takaaki Tsuchida

Safety and feasibility of the Lung Volume Reduction Reverser System (LVR-R) in patients with severe emphysema: preliminary results after 1 year follow up

Konstantina Kontogianni (Heidelberg, Germany), Susanne Dittrich, Judith Brock, Franziska Trudzinski, Claus Peter Heussel, Ralf Eberhardt, Felix J Herth

Bronchoscopic Thermal Vapor Ablation (BTVA) in patients with severe upper lobe predominant emphysema: 36 months follow-up results from a prospective registry

Konstantina Kontogianni (Heidelberg, Germany), Arschang Valipour, Stephan Eisenmann, Joachim H. Ficker, Daniel P. Franzen, Wolfgang Gesierich, Christian Grah, Martin Hetzel, Peter Hammerl, Felix J. Herth, Kaid Darwiche

Bronchial Rheoplasty for Chronic Bronchitis: 6-Month Results from the European Registry Study

Judith Brock (Heidelberg, Germany), Felix Herth, Kaid Darwiche, Ralf-Harto Hübner, Dirk Skowasch, Björn Schwick, Wolfgang Gesierich, Christian Schumann, Arschang Valipour

Lung volume reduction with one-way valves in patients with a very low FEV1: Assessment of efficacy and safety up to 6 months with results from the German Lung emphysema registry (LE-R)

Thomas Sgarbossa, Franz Stanzel, Angelique Holland, Christian Grah, Wolfgang Gesierich, Andreas Gebhardt, Joachim Ficker, Stephan Eggeling, Stefan Andreas, Bernd Schmidt, Stephan Eisenmann, Björn Schwick, Karl-Josef Franke, Andreas Fertl, Ralf-Harto Hübner

Treatable traits in advanced emphysema patients eligible for bronchoscopic lung volume reduction

Rein Posthuma (Maastricht, Netherlands), Marieke C. Van Der Molen, Jorine E. Hartman, Martijn A. Spruit, Dirk-Jan Slebos, Lowie E.G.W. Vanfleteren, Anouk W. Vaes

First European Results: Shape-Sensing Robotic Assisted Bronchoscopy for Biopsy of Peripheral Lung Nodules

Judith Brock (Heidelberg, Germany), Susanne Dittrich, Konstantina Kontogianni, Mavi Schellenberg, Claus-Peter Heussel, Laura Klotz, Hauke Winter, Felix Herth

A multi-center, prospective study of transbronchial radiofrequency ablation for peripheral lung tumors: study progress and initial results

Shi-Yue Li (Guangzhou, China), Chang-Hao Zhong, Jia-Yuan Sun, Zhu-Quan Su, En-Guo Chen, Di-Fei Chen, Feng Wang, Xiao-Ping Wang, Guang-Nan Liu, Xiao-Ju Zhang, Feng-Ming Luo, Nan Zhang, Hong-Wu Wang, Long-Yu Jin, Fa Long, Chun-Fang Liu, Shi-Man Wu, Qing Geng, Xiang Wang, Chun-Li Tang, Felix Herth

Diagnostic Yield of Shape Sensing Robotic-Assisted Bronchoscopy for Pulmonary Nodules Less than 2cm Pre and Post-3D Fluoroscopy

Alejandra Yu Lee-Mateus (Jacksonville, United States), David Abia-Trujillo, Alanna Barrios-Ruiz, Fabiana Diaz-Churion, Neal M. Patel, Britney N. Hazelett, Ryan M. Chadha, Sebastian Fernandez-Bussy

Discussion and Q&A**12:15-13:15****INDUSTRY LUNCHTIME SYMPOSIUM****SEE PAGE 1**

PS-1 in poster area Session 12:30 - 14:00

Poster session: Advances in telemonitoring/telerehabilitation and post-COVID conditions

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Epidemiology General respiratory patient care Public health Pulmonary rehabilitation Physiology

Chairs : Heleen Demeyer (Leuven, Belgium), Chair to be confirmed

Frailty during 1 year after hospitalisation for COVID-19: risk factors and outcomes from the PHOSP-COVID study
Hamish McAuley (Leicester, United Kingdom), Rachael A Evans, Charlotte E Bolton, Christopher E Brightling, Omer Elneima, Paul L Greenhaff, William D-C Man, Matthew Richardson, Sally J Singh, Michael Steiner, Louise V Wain, Miles D Witham, Janet Lord, Neil J Greening

Late Breaking Abstract - Dynamic hyperinflation and ventilatory reserve in long COVID: a cross-sectional study
Isabela Aziz (Niteroi, Brazil), Isabela Serpa, Jessica Oliveira, Renan Campos, Thiago Mafort, Agnaldo Lopes

Activity limitations and healthcare use in people with long COVID-19
Diana C Sanchez-Ramirez (Winnipeg, Canada), Adriana Angarita-Fonseca, Vicente Andres Benavides Cordoba, Santiago Larrateguy, Santos Chero, Bricia Hernandez Lopez, Rafael Salazar, Mauricio Morales Satan, Rodrigo Torres

Six-month outcomes following comprehensive pulmonary rehabilitation post-COVID-19 infection
Nurasyikin Kamarudin (Limerick, Ireland), Philip Tonge, Nicola Jackson, Sarah O'Beirne

Pulmonary telerehabilitation in patients after severe COVID-19: comparison between fully remote versus hybrid supervision
Bruna Scharlack Vian (Campinas, Brazil), Ana Lúcia Cavallaro Baraúna Lima, Laís Bacchin De Oliveira, Luciana Castilho De Figueirêdo, Hugo Ceccato, Julian Silva, Pedro Maximink Esteves Villar, Paulo Mendes, Lucieni De Oliveira Conterno, Mariângela Ribeiro Resende, Lígia Roceto Ratti, Mônica Corso Pereira

Quadriceps weakness pre- and post-COVID-19 rehabilitation: associations with exercise capacity and quality of life
George Mills (Leicester, United Kingdom), Linzy Houchen-Wolloff, Sally Singh, Samuel Briggs-Price, Enya Daynes

The feasibility, safety, and repeatability, of the incremental shuttle walk test in post-COVID survivors
Molly M Baldwin (Leicester, United Kingdom), Enya Daynes, Urvee Karsanji, Hamish McAuley, Rachael A Evans, Sally J Singh, P Hosp-Covid Collaborative Group

The clinical outcome of patients with post Covid-19 condition who underwent pulmonary telerehabilitation in Lung Center of the Philippines
Nichol John Aliac (Manila, Philippines), Angelica Joy Arafag, Glynna Ong-Cabrera

Effect of tele-rehabilitation program with weekly monitoring in post COVID-19 pneumonia patients
Wutthichai Sae Chen (Bangkok, Thailand), Chalermdej Prapinpaioj, Timporn Vitoonpong, Worawan Sirichana, Amornpun Wongkarnjana

Can further positive effects be expected from the addition of two to three months of post-COVID rehabilitation in a day hospital+hospital? Monitoring of exercise stress parameters.
Janos Tamas Varga (Budapest, Hungary), Dora Kolozsvári, Renata Pinter, Katica Anna Kup, Zsófia Szarvas, Monika Fekete, Zsuzsanna Kovats, Gabor Horvath, Veronika Muller

Understand the role of Breathing Pattern Disorder in adults with and without breathlessness after hospitalisation with COVID-19
Saja Almulhim (Leicester, United Kingdom), Mark Orme, Enya Daynes, Majda Bakali, Sally J Singh, Rachael A Evans

Pulmonary rehabilitation (PR) and movement behaviours: How are we measuring up?
Mark Orme (Leicester, United Kingdom), James Manifield, Yousuf Chaudhry, Sally J Singh, Tom Ward, Maxine E Whelan

Exploring the characteristics of people with long COVID-19 and their associated healthcare use in Latin America
Diana C Sanchez-Ramirez (Winnipeg, Canada), Adriana Angarita-Fonseca, Vicente Andres Benavides Cordoba, Santiago Larrateguy, Santos Chero, Bricia Hernandez Lopez, Rafael Salazar, Mauricio Morales Satan, Rodrigo Torres

The prevalence of exertional desaturation 5 months post-hospital discharge for COVID-19
Molly M Baldwin (Leicester, United Kingdom), Enya Daynes, Urvee Karsanji, Hamish McAuley, Rachael A Evans, Sally J Singh, P Hosp-Covid Collaborative Group

Smartphone application-based rehabilitation in patients with chronic respiratory and cardiovascular diseases
Chiwook Chung (Seoul, Republic of Korea), Ah-Ram Kim, Il-Young Jang, Min-Woo Jo, Seongho Lee, Dongbum Kim, Hee Kwon, Do-Yoon Kang, Sei Won Lee

Unsupervised physical capacity testing at home: a systematic review
Debbie de Graaf (Nijmegen, Netherlands), Stella Thissen, Alex Van 'T Hul, Nienke De Vries, Bastiaan Bloem

Monitoring of Long COVID symptoms using Digitalised C19-YRS in patients attending LC Rehabilitation Clinic in Manchester, UK

Hsu Myat Noe (Manchester, United Kingdom), Kay Richardson, Harmeet Momi, Christopher Dalton, Clare Gibbons, David Lamb, Sarah Clarke, Sheila Ramjug, Nawar Bakerly

Qualitative evaluation of culturally adapted pulmonary rehabilitation (PR) for people with post-tuberculosis lung disease (pTBLD) in Kyrgyz Republic

Gulzada Mirzalieva (Bishkek, Kyrgyzstan), Maamed Mademilov, Mark Orme, Azamat Akylbekov, Aijan Taalaibekova, Aigul Ozonova, Nurdin Shakiev, Syimyk Azizbekov, Azat Bolotbek U., Amy Barradell, Dominic Malcolm, Talant Sooronbaev, Sally Singh

Home-based pulmonary rehabilitation in ILD patients- all is not gold

Rishabh Kochar (Bikaner (Rajasthan), India), Naveen Dutt, Nishant Chauhan, Ravi Gaur, Mukesh Swami

Physical capacity and fatigue in patients who acquired COVID-19 in the workplace 6 months after rehabilitation: a longitudinal study

Katrin Mueller (Chemnitz, Germany), Marcel Ottiger, Iris Poppele, Alois Wastlhuber, Franziska Ortwein, Michael Stegbauer, Torsten Schlesinger

PS-10 in poster area**Session****12:30 - 14:00****Poster session: Translational model in chronic airway disease****Disease(s) :** Airway diseases**Method(s) :** Cell and molecular biology Pulmonary function testing Physiology General respiratory patient care Imaging**Chairs :** Reinoud Gosens (Groningen, Netherlands), Philip Hansbro (Sydney, Australia)**FUT2 homozygous nonsense mutation is associated with increased future risks and airway microbial network disturbance in COPD**

Longyi Du (Chengdu, China, China), Juanjuan Fu, Wei Xiao, Bin Mao, Meilu Liu, Xu-Gui Chen, Yan Yu

Lung stiffness affects the response to methacholine in two strains of mice

Andrés Rojas-Ruiz (Quebec, Canada), Magali Boucher, Percival Graham, Liah Fereydoonzaad, Ynuik Bossé

Extracellular matrix degradation products in serum of patients with chronic airway disease

Anna Schnell (Bern, Switzerland), Stefanie Graeter, Moritz Saxenhofer, Samantha Chan, Megan Rees, Jo Douglass, Alastair Stewart, Andrew McKenzie, Ilka Schulze, Alexander Schaub

Human Upper Respiratory Tract Microbiome and Epithelium Interactions

Pooja Narang (Sydney, Australia), Mehra Haghi, Catherine Burke, Brian Oliver

CYP2R1 gene polymorphisms (rs10741657) in Japanese patients with COPD and bronchial asthma.

Kazuhiro Tada (Koshigaya, Saitama, Japan), Kenya Koyama, Akemi Koyama, Shyuzo Abe, Tomoki Hasegawa, Junya Sato, Atsutaka Ozaki, Kozo Sato, Hajime Arifuku, Hiroyoshi Watanabe, Hideyuki Satoh, Hirokuni Hirata, Yasutsugu Fukushima

CYP2R1 gene polymorphisms (rs12794714) in Japanese patients with COPD and bronchial asthma.

Tomomi Takahashi (Koshigaya, Saitama, Japan), Kenya Koyama, Akemi Koyama, Shyuzo Abe, Hayase Azuma, Yukari Ito, Takayuki Kobayashi, Naotatsu Otsuji, Kei Sugitate, Hiroyoshi Watanabe, Hideyuki Satoh, Takayoshi Owada, Yasutsugu Fukushima

Clinical relevance of mutations in the Serpin 1 gene in patients without severe alpha-1 antitrypsin deficiency.

Eduardo Jose Laviña Soriano (Guadalajara, Spain), Lara Bravo Quiroga, José Luis Izquierdo Alonso, José Miguel Rodríguez González-Moro

Extracellular vesicles from PBDE-47 treated M(LPS) THP-1 macrophages modulate gene expression in ALI culture of airway epithelium.

Mirella Profita (Palermo (PA), Italy), Giusy Daniela Albano, Valeria Longo, Angela Marina Montalbano, Noemi Alongi, Paolo Colombo

The role of the non-coding RNA in COPD

Jinkyong Park (Seoul, Republic of Korea), Minseok Seo, Woo Jin Kim, Ji Ye Jung, Cheon Woong Choi

Computational fluid dynamics analysis of small airway deformation in COPD

Yousry Khaled Mohamed Elmahdy Mohamady (Leuven, Belgium), Vincent Geudens, Charlotte De Fays, Iwein Gyselinck, Lucia Aversa, Pieter Jan Kerckhof, Gitte Aerts, Astrid Vermaut, Hanne Beeckmans, Karen Maes, Lynn Willems, Marie Vermant, John McDonough, Laurent Godinas, Rozenn Quarck, Wim Wuyts, Robin Vos, Laurens Ceulemans, Dirk Van Raemdonck, Ghislaine Ramirez, Wim Janssens, Marcel Filoche, Bart Vanaudenaerde

Assessment of dyspnoea, respiratory symptoms and pulmonary function in patients with rare heterozygous alpha 1 antitrypsin mutations

Sara Spinelli (Napoli, Italy), Roberto Rega, Lidia Atripaldi, Giuseppe Fiorentino, Anna Annunziata

A survey of patient engagement in primary ciliary dyskinesia

Connie Webster (Leeds, United Kingdom), Emma Farrell, Niccola Burke, Giulia Spoletini, Daniel Peckham

Fractional dynamics deep learning approach for diagnosing COPD stages

Stefan Mihaicuta (Timisoara (Timis), Romania), Chenzhong Yin, Mihai Udrescu, Gaurav Gupta, Mingxi Cheng, Lucretia Udrescu, David M. Mannino, Andrei Lihu, Hantang Zhang, Paul Bogdan

Metabolic syndrome and lung function – pilot study LungMetS

Andreea Mihai (craiova, Romania), Cristina Calarasu, Laurentiu Buican, Marius Matei, Costin-Teodor Streba, Victor Ionel Grecu, Mihaela Ionela Vladu

COPD as a trigger for the development of thromboses in patients with defects in the genes predisposing to thrombosis

Elnorahon Abduganieva (Tashkent, Uzbekistan), Irina Liverko

Spirometry network: a program for the future

Mariana Cardoso Tavares (Guarda, Portugal), Filipa Fernandes, Élin Almeida, Filipa Jesus, Fernando Silva, Joana Ribeiro, Sara Braga, Luís Ferreira

The role of DRD2 ubiquitination in macrophage polarization

Tao Fan (Chengdu (Sichuan), China), Yan Lv

Alpha 1 antitrypsin deficiency in severe asthma patients

Martina Zappa (Tradate, Italy), Patrizia Pignatti, Sarah Grossi, Francesco Ardesi, Rosella Centis, Elisabetta Zampogna, Laura Saderi, Giovanni Sotgiu, Antonio Spanevello, Dina Visca

Gene mutations and clinical manifestations of alpha-1 antitrypsin deficiency in Czech patients – a pilot study

Eva Volakova (Olomouc 9, Czech Republic), Jana Petrková, Lenka Kocourková, Jaromir Zatloukal, Petr Jakubec, Martin Petrek

Late Breaking Abstract - Changes in surfactant lipid-composition in allergic asthma in- and outside birch-pollen season

Anna-Carin Olin (Göteborg, Sweden), Susanna Lohman Haga, Per Larsson, Spela Kokelj, Linus Schiöler, Per Larson, Spela Kokelj, Linus Schiöler

PS-2 in poster area**Session****12:30 - 14:00****Poster session: Digital health innovations in respiratory healthcare****Disease(s) :** Airway diseases Interstitial lung diseases Pulmonary vascular diseases**Method(s) :** Public health General respiratory patient care Pulmonary rehabilitation Physiology Pulmonary function testing
Respiratory intensive care Imaging Epidemiology**Chairs :** Konstantinos Kostikas (Ioannina, Greece)**AirPredict - A mobile app for monitoring personal exposure to Particulate Matter and respiratory outcomes in asthma patients**

Michele Atzeni (Padova, Italy), Luca Cossu, Caterina Grisi, Umberto Semenzato, Mariaenrica Tinè, Simonetta Baraldo, Giacomo Cappon, Martina Vettoretti

Causes of failed smoking cessation attempts among active smokers.

fatiha bounoua (AGADIR, Morocco), Abdelkrim Khannous, Houda Moubachir, Hind Serhane

A machine learning-driven approach to improve patient-centered care in pulmonary fibrosis

Jiwon Jung (Rotterdam, Netherlands), Rembrandt Oltmans, Ruixuan Zhang, Joke Hendriks, Richard Goossens, Marlies Wijssenbeek

Barriers to digital usage for patients with chronic respiratory diseases

Mark Burns (Southampton, United Kingdom), Mark Jones, Tom Havelock

Prospective observational study of physical activity measurement using ePRO for evaluating the severity and prognosis in patients with interstitial pneumonia.

Kentaro Ito (Matsusaka city, Mie, Japan), Maki Esumi, Seiya Esumi, Yuta Suzuki, Tadashi Sakaguchi, Kentaro Fujiwara, Yoichi Nishii, Hiroki Yasui, Osamu Taguchi, Osamu Hataji

Prediction of static lung volumes through spirometric parameters - a machine learning approach

Marco Pereira (Seixal, Portugal), Mónica Grafino, Ana Lutas, Teresa Pequeto, Ricardo Ribeiro, Herminia Dias, Sofia Furtado

Evolution of patient perception and use of home spirometry over time

Karen Parsons (Oxford, United Kingdom), Carmine Ruggiero, Shakila Hussain, Michael Avoseh, Emily Fraser, Ling-Pei Ho, Peter Saunders, Rachel K. Hoyle

Development of an optimal machine learning model to detect features of wheezing in children

Kyunghoon Kim (Seoul, Republic of Korea), Hye Jeong Moon, Baek Seung Kim

Feasibility and Safety of Oxygen Saturation Telemonitoring in Covid-19: an observational study

Jacopo Simonetti (Rome, Italy), Francesco Lombardi, Luca Richeldi

Ballistocardiographic pad for detection of heart rate in respiratory diseases.

Vratislav Sedlák (Hradec Králové 9, Czech Republic), Filip Studnička, Radovan Sedlák

Literature-mining in research of Post-Acute Sequelae of Covid-19

Kristina Piontkovskaya (Stockholm, Sweden), Li Chuan-Xing, Yulian Luo, Michael Runold, Åsa Maria Wheelock

Environmental impact of a CF virtual clinic

David Green (Manchester, United Kingdom), Thomas Fitzmaurice, Miles Eason, Freddy Frost, Dilip Nazareth, Martin Walshaw

Access to health care is a human right: a focus group study in COPD patients regarding eHealth accessibility

Esther I. Metting (Groningen, Netherlands)

Development of the iRECHARGE web application (app) for Pulmonary Rehabilitation (PR) in India using Design Thinking Process (DTP)

Shruti Sahasrabudhe (Pune (Maharashtra), India), Rashmi Padhye, Mark W Orme, Dipali Dhamdhare, Suryakant Borade, Meenakshi Bhakare, Nagesh Dhadge, Mahavir Modi, Zahira Ahmed, Andy Barton, Sundeep Salvi, Sally J Singh

A wearable system for personal air pollution exposure: a walk-about in Milan

Sara Bernasconi (Varese, Italy), Alessandra Angelucci, Andrea Rossi, Andrea Aliverti

The use of digital web-based video training for correct inhalation technique during the COVID-19 pandemic

Maximilian Wollsching-Strobel (Köln, Germany), Uta Butt, Daniel Majorski, Tim Mathes, Friederike Magnet, Doreen Kroppen, Melanie Berger, Sarah Schwarz, Wolfram Windisch

Transforming Irish health care delivery through digital health technology with a global orientation – through the perspective lens of the service user

Tara Byrne (Ballinasloe (County Longford), Ireland), Niall Murray, Mary Mc Donnell-Naughton, Neil Rowan

APPS FOR COPD AND ASTHMA PATIENTS IN UKRAINE: ANALYSIS OF ANDROID MARKETPLACE

Mariia Tsyben (Vinnytsya, Ukraine), Stanislav Shkondin, Vitalii Poberezhets, Anna Demchuk, Yuriy Mostovoy

QUALITY OF ANDROID APPS FOR COPD AND ASTHMA PATIENTS IN UKRAINE

Mariia Tsyben (Vinnytsya, Ukraine), Stanislav Shkondin, Vitalii Poberezhets, Anna Demchuk, Yuriy Mostovoy

HHT Virtual Imaging Case Conferences - A New Way Forward for Rare Disease Management

Dilini Vethanayagam (Edmonton (AB), Canada), Richard Owen, Hugo Bertozzi, Darshan Bakshi, Rohan Parab, Ani Mirakhur, Oliver Halliwell, Charlene Fell

PS-19 in poster area

Session

12:30 - 14:00

Poster session: Pulmonary fibrosis: clinical and trial experiences

Disease(s) : **Interstitial lung diseases**

Method(s) : General respiratory patient care Pulmonary function testing Epidemiology Imaging Physiology

Chairs : Claudia Valenzuela (Madrid, Spain), Katarzyna B. Lewandowska (Warszawa, Poland)

Continued nintedanib treatment in patients with progressive pulmonary fibrosis: data from INBUILD-ON

Wim A. Wuyts (Leuven, Belgium), Francesco Bonella, Nazia Chaudhuri, Francesco Varone, Danielle Antin-Ozerkis, Jin Woo Song, Corinna Miede, Mihaela Dumistracel, Carl Coeck, Vincent Cottin

Meta-analysis of effect of nintedanib on mortality in subjects with idiopathic pulmonary fibrosis (IPF) and other forms of progressive pulmonary fibrosis (PPF)

Wim A. Wuyts (Leuven, Belgium), Toby M Maher, Marlies Wijzenbeek, Dirk Koschel, Fernando J Martinez, Wibke Stansen, Susanne Stowasser, Luca Richeldi

Adverse Effects of Nintedanib – A Portent of Gender Inequality?

Dominic Sykes (Hull, United Kingdom), Ellis Day, Kayinaat Ibrar, Amanda Bell, Mark Major, Alyn H Morice, Simon P Hart

Real-World Safety and Effectiveness of Nintedanib in Patients with Idiopathic Pulmonary Fibrosis

Arata Azuma (Kawasaki, Japan), Takashi Ogura, Yoshikazu Inoue, Yasuhiro Kondoh, Sakae Homma, Katsumi Tanaka, Kaori Ochiai, Kenya Muraishi, Yukihiro Sugiyama, Toshihiro Nukiwa

Nocebo effect of nintedanib on gastrointestinal (GI) adverse events (AEs) in patients with interstitial lung diseases (ILDs)

Oliver Distler (Zurich, Switzerland), Kristin B Highland, Arata Azuma, Tejaswini Kulkarni, Wim A Wuyts, Corinna Miede, Margarida Alves, Petros Sfikakis

Effects of nintedanib on circulating biomarkers in patients with progressive pulmonary fibrosis: subgroups by fibrotic pattern on HRCT

Toby M Maher (Los Angeles, United States), Francesco Bonella, Shervin Assassi, Imre Noth, Claudia Diefenbach, Carina Ittrich, Klaus B Rohr, Martin Kolb

Impact of antifibrotic therapy on lung cancer incidence and mortality in patients with idiopathic pulmonary fibrosis

Yong Suk Jo (Seoul, Republic of Korea), Kyung Joo Kim, Chin Kook Rhee, Yong Hyun Kim

Antifibrotic treatment in patients with Idiopathic pulmonary fibrosis (IPF): Real life data from a Swedish registry

Lisa Carlson (Stockholm, Sweden), Dimitrios Kalafatis, Ida Pesonen, Jesper Magnusson, Magnus Skold

Characteristics of patients with progressive fibrosing ILDs in the ILD-PRO Registry

Leonard Lobo (Chapel Hill, United States), Yi Liu, Peide Li, Murali Ramaswamy, Aparna C Swaminathan, Srihari Veeraraghavan, Yanni Fan, Megan L Neely, Scott M Palmer, Amy L Olson

Progressive pulmonary fibrosis in patients with chronic hypersensitivity pneumonitis (cHP): a single center experience.

Julia Wälscher (Essen, Germany), Ulrich Costabel, Dirk Theegarten, Eda Boerner, Lutz Jehn, Christian Taube, Francesco Bonella

Comparison of the diagnostic criteria for progressive pulmonary fibrosis in connective tissue disease related interstitial lung disease

Hyunwoo Kim (Seoul, Republic of Korea), Kyuhwan Kim, Jongmin Lee, Yong Suk Jo

Interobserver variability of the ATS/ERS/JRS/ALAT diagnostic CT criteria for idiopathic pulmonary fibrosis: a systematic review and meta-analysis

Krit Dwivedi (Sheffield, United Kingdom), Liam Delaney, Samer Alabed, Mahan Salehi, Marcus Goodlad, Elliot Checkley, Hassan Shah, Andy Swift

Comparison of antifibrotic availability for patients on the BTS IPF Registry using existing and new prescribing criteria

Jennifer Naftel (Southampton, United Kingdom), Emma Kinsella, Nicola Wood, Sophie Fletcher

Five-year follow up analysis of Japanese ILD registry

Kazuya Tsubouchi (Fukuoka, Japan), Naoki Hamada, Shoji Tokunaga, Toru Tsuda, Shohei Takata, Hiroshi Ishii, Yasuhiko Kitasato, Tomoaki Hoshino, Yosuke Sasahara, Kazuhiro Yatera, Masayuki Kawasaki, Masaki Fujita, Makoto Yoshida, Takashige Maeyama, Taishi Harada, Hiroshi Wataya, Chiharu Yoshii, Masashi Komori, Yuichi Mizuta, Kazunori Tobino, Eiji Harada, Yoichi Nakanishi, Isamu Okamoto

Real-world study evaluating anti-fibrotic therapy on survival in idiopathic pulmonary fibrosis

Lucy Robertson (Cambridge (Cambridgeshire), United Kingdom), Joshua Barnes, Kirstie Rogers, Muhunthan Thillai, Helen Parfrey

Interstitial lung diseases in Israel

Tzlil Hershko (Tel-Aviv, Israel), Sonia Schneer, Michael J. Segel, Ori Wand, Ophir Freund, Amir Bar-Shai, David Shitrit, Liran Levy, Yochai Adir, Avraham Unterman

Idiopathic pulmonary fibrosis treated by Nintedanib: evaluation of safety even in patients treated with anticoagulants

Barbara Ruaro (Trieste, Italy), Riccardo Pozzan, Paola Confalonieri, Metka Kodric, Rossella Cifaldi, Mariangela Barbieri, Selene Lerda, Marco Confalonieri, Elisa Baratella, Francesco Salton

High antinuclear antibody titer is associated with increased mortality risk in patients with idiopathic pulmonary fibrosis

shimon izhakian (Petach Tikva, Israel), May Igawa, Mordechai R Kramer

Clinical and prognostic significance of p-ANCA antibodies positivity in Idiopathic Pulmonary Fibrosis

Giuseppe Muscato (Catania, Italy), Alessandro Libra, Giuseppe Ielo, Enrico Sciacca, Stefano Palmucci, Gianluca Sambataro, Carlo Vancheri

Autoantibody positivity (AAb+) in idiopathic pulmonary fibrosis (IPF): outcomes from the Pulmonary Fibrosis Foundation Patient Registry (PFF-PR)

Chad Newton (Dallas, United States), Tejaswini Kulkarni, Mary Beth Scholand, Kevin Flaherty, Zhongze Li, Sachin Gupta, Elana J Bernstein

PS-16 in poster area**Session****12:30 - 14:00****Poster session: Viral infections and antibiotic use****Disease(s) :** Airway diseases**Method(s) :** Epidemiology General respiratory patient care Public health Cell and molecular biology Endoscopy and interventional pulmonology Respiratory intensive care**Chairs :** Chair to be confirmed**RSV as a Cause of Exacerbations of COPD**

Dexter Wiseman (London, United Kingdom), Ryan Thwaites, Mairi Macleod, Andrew Ritchie, Lydia Finney, Faisal Kamal, Hasan Shahbakhti, Ashley Sanchez Sevilla Uruchurtu, Braddy-Green Aaron, James Allinson, Gavin Donaldson, Peter Openshaw, Jadwiga Wedzicha, The Resceu Investigators

Disruption in typical patterns of seasonality of respiratory viral infections (RVIs)

Martha Purcell (Southampton, United Kingdom), Tommaso Morelli, Pedro Rodrigues, Sandy Aitken, Charles Roberts, Jacqueline Nuttall, Anna Freeman, Tristan Clark, Tom Wilkinson

A novel rhinovirus mRNA vaccine induces humoral and cellular immunity, providing protection against heterotypic rhinovirus infection

Chloe Julia Pyle (London, United Kingdom), Neeta D Patel, Paul Hamblin, Richard Butt, Michael R Edwards, Stephen Shaw, Sebastian L Johnston

LSC - 2023 - Iron metabolism determines the outcome of influenza A virus infection

Jemma Mayall, Amber Pillar, Katie Daly, Alexandra Brown, Ama-Tawiah Essilfie, Henry Gomez, Richard Kim, Kristy Nichol, Chantal Donovan, Greg Anderson, David Frazer, Elizabeth Milward, Philip Hansbro, David Reid, Alan Hsu, Peter Wark, Jay Horvat

Estimated incidence of hospitalizations and primary care visits attributable to RSV infections in adults in Germany between 2015 – 2019

Lea Bayer (Berlin, Germany), Caroline Beese, Gordon Brestrich, Elizabeth Begier, Aleksandra Polkowska-Kramek, Robin Bruyndonckx, Charles Nuttens, Thao Mai Phuong Tran, Juan Luis Ramirez Agudelo, Caihua Liang, Bradford Gessner, Gernot Rohde

Association between clinical presentation and a host transcriptomic signature in patients with lower respiratory tract infection undergoing bronchoscopy

Andreas Hoheisel (Freiburg, Germany), Desiree Schumann, Leticia Grize, Kathleen Jahn, Nina Khanna, Matthias Herrmann, Andrei Darie, Silvio Ragozzino, Sabine Kuster, Werner Strobel, Hans Hirsch, Michael Tamm, Daiana Stolz

Characterisation of clinical risk factors for severity and outcome in adults hospitalised with respiratory viral infection (RVI): the UNIVERSAL study.

Tommaso Morelli (Southampton, United Kingdom), Martha Purcell, Pedro Rodrigues, Sandra Aitken, Charles Roberts, Jacqueline Nuttall, Tristan Clark, Anna Freeman, Tom Wilkinson

Changes in the epidemiology of severe acute respiratory virus infection in the elderly after social distancing was lifted

Jae Jeong Shim (Seoul, Republic of Korea), Hye Sun Lee, Juyeon Yang, Je Hyeong Kim, Sung Won Chang, Kyung Hoon Min, Young Seok Lee

INNA-051 pre-exposure prophylaxis in a human influenza infection model

Scott White (Collegeville, United States), Francesca Mercuri, Nicole Kruger, Grant McLachlan, Stephan Mynhardt, Hayley Mcquillen, Bruce Miller, Ruth Tal-Singer, Christophe Demaison

Real-world primary care data of antibiotic prescriptions for sore throat in Italy

Graça Coutinho (London, United Kingdom), Aurelio Sessa, Adrian Shepard, Thomas Hallett, Martin Duerden

Medical practices that create risks for the development of antibacterial resistance

Irina Liverko (Tashkent, Uzbekistan), Feruza Niyazova, Farhod Mukhsinov

Savings potential for antibiotics in respiratory infections: Insights from the European market

Peter Kardos (Frankfurt am Main, Germany), Ludger Klimek, Ernest Kuchar, Ingrid Stelzmüller, Andrzej M Fal, André Gessner

Inflammatory and mucociliary dysfunction based endotypes across the spectrum of chronic airways diseases
Erin Cant (Dundee, United Kingdom), Mathieu Bottier, Morven Shuttleworth, Jamie Stobo, Lidia Perea, Alison Dicker, Holly R Keir, Megan L Crichton, Jeffrey Huang, Amelia Shoemark, James D Chalmers

Respiratory infection with multidrug resistant organisms is more often in men than women- a retrospective, multicenter study
Cathrin Kodde (Berlin, Germany), Juliane Köhler, Karin Schwegmann, Marzia Bonsignore, Irit Nachtigall

Predictive factors for a good pulmonary penetration of antibiotics: AntiBiotics dosage in BronchoAlveolar Lavage
Julia Delomez (Neuville, France), Alice Henry, Damien Basille, Vincent Jounieaux, Claire Andréjak

Detection of respiratory viruses in patients with aspiration pneumonia: a retrospective study
Daijiro Nabeya (Okinawa, Japan), Takeshi Kinjo, Wakako Arakaki, Wakaki Kami, Hiroe Hashioka, Naoya Nishiyama, Tomoo Kishaba, Kazuko Yamamoto

Aftershocks caused by viruses
Anna Sárközi (Debrecen, Hungary), Erik Békési, Edit Nagy, Mária Papp, Zsuzsanna Orosz, Ildikó Horváth

Findings from a new 12-country survey of respiratory illness, symptoms, and management approaches
Graça Coutinho (London, United Kingdom), Martin Duerden, Sergio Caretta, Thomas Hallett, Adrian Sheppard, Terence Pillay, Anna Ermakova, Aurelio Sessa

Risk factors for influenza-induced exacerbations and mortality in non-cystic fibrosis bronchiectasis
Hung Yu Huang (Taipei, Taiwan), Po-Chuan Ko, Chun-Hua Wang

Late Breaking Abstract - Remdesivir reduces progression to ICU in patients hospitalized with COVID-19
Rikisha Shah Gupta (Foster City, United States), Valentina Shvachko, Mark Berry, Eunyoung Lee, Gina Brown, Mazin Abdelghany, Jason Okulicz, Celine Der-Torossian, Anand Chokkalingam

PS-18 in poster area Session **12:30 - 14:00**

Poster session: The global lung cancer epidemic: diversity, social inequalities, and survivorship

Disease(s) : Airway diseases Thoracic oncology

Method(s) : Epidemiology Public health Pulmonary function testing Palliative care

Chairs : Ilona Tietzova (Prague, Czech Republic)

Occupational lung cancer: the medico-legal aspect
Zeineb ATHIMNI (SOUSSE, Tunisia), Marwa Bouhoula, Sana Bhiri, Asma Aloui, Asma Chouchane, Imen Kacem, Maher Maoua, Aicha Brahem, Houda Kalboussi, Olfa El Maalel, Souhail Chatti, Nejib Mrizak

Lung Cancer Awareness in Saudi Arabia: Results of an Interim Analysis
Jaber S. Alqahtani (Dammam, Saudi Arabia), Bader S. Almqati, Turki G. Alharbi, Abdulraheem A. Almuntashiri

Histologic Lung Cancer 5-Year Survival Rates and Trends Vary by Tumor Stage and Residential County: 1990-2013 Surveillance, Epidemiology, and End Results(SEER)
Bingbing Wang (Shanghai, China), Shuanshuan Xie, Changhui Wang

The changing face of lung cancer epidemiology in Greece
Danai Bisirtzoglou (Athens, Greece), Georgia Hardavella, Eleni Karetzi, Kelly Mizziou, Gerasimos Metaxas, Christos Raptis, Dina Broupi, Ioannis Gkiozos

Real-World treatment outcomes for advanced NSCLC in Greece
Eleni Kokkotou (N.Falio (Piraeus), Greece), Lamprini Stournara, Maria Mani, Ioannis Gkiozos, Sofia Tsagouli, Nikolaos Syrigos, Thomas Burke, Andreas Desiniotis, Ioannis Dimitriadis, Andriani Charpidou

REAL-WORLD DATA ON LUNG CANCER PATIENTS CHARACTERISTICS IN NORTHERN SERBIAN PROVINCE OF VOJVODINA
Darijo Bokan (Sremska Kamenica, Republic of Serbia), Bojan Zaric, Tomi Kovacevic, Goran Stojanovic, Jelena Djekic Malbasa, Ana Milenkovic

Epidemiological and histopathological features of lung cancer in Tunisia
Moez Hamdani (Djerba, Tunisia), Marwa Walha, Sana Hidouri, Kamel Bel Haj Ali, Abdelmajid Khabir

Clinical characteristics and outcomes of lung cancer patients in a tunisian center
Amani Kacem (Sousse, Tunisia), Jihene Ghariani, Imen Kharrat, Anis Maatallah, Rahma Ben Jazia, Hend Zorgati, Yosri Benali, Dhousha Benbraiek, Sourour Belhajjoussef, Jihene Ayachi, Asma Gaddour

Sociodemographic and clinical characteristics associated with lung cancer in women
Anna Trojnar (Warszawa, Poland), Magdalena Knetki-Wróblewska, Joanna Domagała-Kulawik

Characteristics of lung cancer in elderly patients.

Rim Khemakhem (Sfax, Tunisia), Mounira Kallel, Nessrine Kallel, Rahma Gargouri, Ilhem Yangu, Nedja Moussa, Walid Feki, Najla Bahloul, Samy Kammoun

COPD and lung cancer: Is there a link?

Houda Rouis (Ariana, Tunisia), Chirine Moussa, Mahdi Abdennadher, Soumaya Debiche, Nourchene Khalffallah, Amel Khattab, Ibtihel Khouaja, Ines Zendah, Sonia Maâlej

Does lung cancer in patients with COPD differ between women and men?

Robert Uliński (Warsaw, Poland), Marta Dąbrowska, Joanna Domagała-Kulawik

COPD occurrence among thousand of patients with lung tumor

Robert Uliński (Warsaw, Poland), Marta Dąbrowska, Joanna Domagała-Kulawik

Lung cancer in COPD patients included in a telemonitoring program (TELEPOC)

Jone Solorzano Egurbide (bilbao, Spain), Eva Tabernero Huguet, M^a Pilar Fuentetaja Olmos, M^a Ángeles García Carreira, Imanol González Muñoz, Elena Garay Llorente, Joseba Andia Iturrate, Beatriz González Quero, Larraitz García Echeberria

Employment status at time of lung cancer diagnosis: A nationwide study 1994-2018

Morten Borg (Ry, Denmark), Ditte Fredensborg Søtoft, Ole Hilberg, Anders Løkke

Is death from lung cancer associated with socioeconomic development? Turkey sample

Güntülü Ak (Eskişehir, Turkey), Selma Metintas, Oguz Han Aydılek, Muzafer Metintas

Long-Term Lung Cancer Survivors – Who are they and what happens throughout their follow up?

Ana Da Cunha Fonseca (Vila Nova de Gaia, Portugal), Mariana Antunes, Margarida Dias, Eloísa Silva, Ana Barroso

Inequality in lung cancer: a nationwide study of income 1980-2018

Morten Borg (Ry, Denmark), Margrethe Høstgaard Bang Henriksen, Sara Witting Christensen Wen, Torben Frøstrup Hansen, Rikke Ibsen, Ole Hilberg, Anders Løkke

Estimated cost of lung cancer in a public reference hospital in Morocco

Ibtissam El Harch (Fès, Morocco), S Guendaoui, M Charkaoui M, Soumaya Benmaamar, Mohammed Omari, Mohammed El Youbi, L Belakhel, L Abouselham L, H Hachri H, I El Menchay, Samira El Fakir, Mohammed Berraho, Nadia Benchekroun, Nabil Tachfouti

PS-12 in poster area**Session****12:30 - 14:00****Poster session: Diagnostic pathways and paediatric asthma monitoring**

Disease(s) : Airway diseases Sleep and breathing disorders

Method(s) : Cell and molecular biology Pulmonary function testing General respiratory patient care Epidemiology Public health Physiology

Chairs : Erol Gaillard (Leicester (Leicestershire), United Kingdom)

Deriving a change score for FEV1 for children with asthma

Nicole Filipow (London, United Kingdom), Stephen Turner, Anne Chang, Helen Petsky, Thomas Frischer, Stanley Szefer, Sanja Stanojevic

Response to bronchodilation in children by oscillatory impedance and admittance

Chiara Veneroni (Milano (MI), Italy), Giuliana Ferrante, Laura Venditto, Michele Piazza, Laura Tenero, Marco Zaffanello, Raffaele Dellaca, Pasquale P Pompilio, Giorgio Piacentini

Bronchodilator response cut-off -point of the FEV0.75 s in asthmatic Tunisian children.

Molk MAALEJ (Sfax, Tunisia), Rim Kammoun, Emna Eleuch, Hana Trabelsi, Leila Triki, Hela Zouari, Kaouthar Masmoudi

Methodological approach of the use of electronic nose in paediatrics: A factibility study

Ana Díez Izquierdo (Barcelona, Spain), Teresa Garriga-Baraut, Ines De Mir-Messa, Alba Torrent-Vernetta, Sandra Rovira-Amigó, Manuel Gómez-Duque, Ignacio Iglesias-Serrano, Silvia Gartner-Tizzano, Jose M Martínez-Sánchez, Hipólito Pérez, Antonio Moreno-Galdó

Treatable traits in asthmatic children

Magdalena Vocos (Ciudad Autónoma Buenos Aires, Argentina), Gimena Donth Leger, Carlos Velasco, Tania Flores, Doris Primerose, Marcela Roque, Veronica Giubergia, Veronica Aguerre, Belen Lucero, Gabriela Pelaez, Juan Manuel Figueroa

Bronchodilator response phenotype in children with moderate to severe asthma exhibits elevated T2 and T1 serum cytokines

Mahmoud Ismael Abdel-Aziz (Amsterdam, Netherlands), Nariman K. A. Metwally, Susanne J. H. Vijverberg, Anne H. Neerincx, Simone Hashimoto, Barbara S Dierdorp, Tamara Dekker, Jan Willem Duitman, Mario Gorenjak, Antoaneta A. Toncheva, Susanne Harner, Susanne Brandstetter, Christine Wolff, Olaia Sardón-Prado, Paula Corcuera-Elosegui, Javier Korta-Murua, Maria Pino-Yanes, Uroš Potočnik, Michael Kabesch, Aletta D. Kraneveld, René Lutter, Anke H. Maitland-Van Der Zee

Children can be safely discharged on as required salbutamol after episodes of acute wheeze.

Steph Harper (Southampton, United Kingdom), David James, Catherine Crocker, Alison Mcevoy, Amanda Harris, Gary Connett

Preliminary observations from an asthma intervention package to improve outcomes for children and young people in inner city Birmingham, UK

Titus Ninan (Solihull (West Midlands), United Kingdom), Teresa Evans, Vipran Vijaya, Susan Frost, Mairead Hitching, Satish Rao

Allergic rhinitis and atopic dermatitis are associated with a decreased risk of asthma-related hospital visits in moderate to severe pediatric asthma; results of the SysPharmPediA study

Amir Hossein Alizadeh Bahmani (Amsterdam, Netherlands), Susanne J.H. Vijverberg, Simone Hashimoto, Christine Wolff, Catarina Almqvist, Lisan D. Bloemsma, Susanne Brandstetter, Paula Corcuera-Elosegui, Mario Gorenjak, Susanne Harner, Anna M. Hedman, Michael Kabesch, Javier Korta-Murua, Aletta D. Kraneveld, Anne H. Neerincx, Maria Pino-Yanes, Uroš Potočnik, Shahriyar Shahbazi Khamas, Olaia Sardón-Prado, Mahmoud I. Abdel-Aziz, Anke H. Maitland-Van Der Zee

Reducing asthma exacerbations after the start of the school year: empowering children and families

Lynsey Brown (Liverpool, United Kingdom), Vicotria Worrall, Karl Holden, Claire Hepworth, Helen Harper, Lucy Gait, Laura Marsh, Andrew Lilley, Ian Sinha, Christopher Grime

Prospective follow-up of asthma and health related quality of life into late adolescence after bronchiolitis in infancy.

Sonja Laitinen (Tampere, Finland), Eero Lauhkonen, Riikka Riikonen, Matti Korppi, Paula Heikkilä

Effect of inhalation formulation on symptoms and impulse oscillometry indices in teen-aged asthmatics

Tiina Tanninen (HELSINKI, Finland), Anna Pelkonen, Pekka Malmberg, Mika Mäkelä

Paediatric rapid-access asthma hubs – a feasibility and effectiveness study

Ali Hakizimana (Leicester, United Kingdom), David K H Lo, Damian Roland, Molla Imaduddin Ahmed, Vinayak K Rai, Lesley Danvers, Rachel Rowlands, Reeta Herzallah, Erol A Gaillard

The outcome of misdiagnosis in childhood asthma: the other side of the coin

Gülay Bas Bilgin (İstanbul, Turkey), Zeynep Reyhan Onay, Fatma Begüm Çopur, Sinem Can Oksay, Deniz Mavi Tortop, Yasemin Mocan Çağlar, Begüm Yörük, Özge Ülgen, Saniye Girit

Under-treated asthma in children – a nationwide secondary care study.

Jon Konradsen (Sollentuna, Sweden), Caroline Stridsman, Øyvind Martinsen, Stina Selberg, Maria Ödling

Correlation between FeNO and asthma control in pediatric patients in a developing country

Daniela Cleves (Bogota, Colombia), Pedro David Vargas Duque, Ranniery Acuña Cordero, Paula Aguilera Otalvaro, Bethy Camargo, Ricardo Aristizabal Duque, Carlos Rodriguez Martinez

Clinical control of asthma and lung inflammation may impair quality of sleep and life in children and adolescents

Etiene Farah Teixeira De Carvalho (São Paulo (SP), Brazil), Evelim Gomes, Dirceu Costa

NHS Wales National Initiative for Good Asthma Control: Patient-facing Apps for Parents, Children and Adults.

Julian Forton (Penarth (South Glamorgan), United Kingdom), Daniel Rigler, Katie Pink, Chris Davies, Grace Moore, Laura Wallis, Simon Barry

Effectiveness of written asthma action plan in improving asthma control in children

senda derouiche (Tunisia, Tunisia), Sabrine Louhaichi, Siwar Rejeb, Aymen Jebali, Farah Garci, Jamel Ammar, Besma Hamdi, Agnès Hamzaoui

How do we identify dysfunctional breathing (DB) in children and young people (CYP)- a UK delphi consensus.

Ruth Stewart (Kirkcaldy, United Kingdom), Kenneth Macleod, Ann McMurray, Kirstin Unger

PS-5 in poster area

Session

12:30 - 14:00

Poster session: Mechanisms of allergic airway disease

Disease(s) : Airway diseases

Method(s) : Cell and molecular biology Physiology Pulmonary function testing Imaging

Chairs : Hermelijn H. Smits (Leiden, Netherlands)

Multiplex protein quantification per cell type in bronchoalveolar lavage cytospin cells using NanoStrings GeoMx
Nicole van der Burg (Lund, Sweden), Martin Ryde, Jaro Ankerst, Leif Björner, Ellen Tufvesson

Metabolomic Profiling in a Mouse Model of Menopause-Associated Asthma.
Julie Ledford (Tucson, United States), William Pederson, Laurie Ellerman, Yan Jin, Haiwei Gu

Rac GTPase dependent cell signaling drives eosinophilic function in severe asthma.
Dorian Hassoun (Nantes, France), Hugo Bergereau, Morgane Rousselle, Marie-Aude Cheminant, Carole Brosseau, Nicolas Jouand, Christine Sagan, Grégory Bouchaud, Sophie Brouard, François-Xavier Blanc, Gervaise Loirand, Vincent Sauzeau

Different subtypes of eosinophils between asthma and COPD in bronchial tissue.
Alejandra Sánchez-Santos (Las Palmas de Gran Canaria, Spain), Carlos Cabrera-López, Angelina Lemes-Castellano, Sara Cazorla-Rivero, Enrique González-Dávila, Bartolomé Bartolomé, Ciro Casanova-Macario

LSC - 2023 - Eosinophil subtypes affect airway smooth muscle cells migration and ECM-related proliferation in asthma
Airdas Rimkunas (Kaunas, Lithuania), Andrius Januskevicius, Egle Vasyle, Jolita Palacionyte, Ieva Janulaityte, Greta Seskaitė, Kestutis Malakauskas

WISP-1 stimulates the accumulation of nuclear factor erythroid-2 related factor 2 (NRF2) into the nucleus of airway smooth muscle cells from patients with asthma and COPD
MARIA ELPIDA Christopoulou (Freiburg im Breisgau, Germany), Eleni Papakonstantinou, Daiana Stolz

Collagen turnover in airway smooth muscle cells is mediated by WISP-1 differently in asthma and in COPD
MARIA ELPIDA Christopoulou (Freiburg im Breisgau, Germany), Panagiota Moraiti, Charikleia Ntenti, Eleni Papakonstantinou, Daiana Stolz

WISP-1 promotes proliferation and migration of airway smooth muscle cells from patients with asthma and COPD
MARIA ELPIDA Christopoulou (Freiburg im Breisgau, Germany), Panagiota Moraiti, Eleni Papakonstantinou, Daiana Stolz

Role of nesprin-1 in STAT3 nuclear import of human airway smooth muscle cells
Dale Tang (Albany, United States), Ruping Wang, Guoning Liao

Relating Type 2 status to steroid exposure, cytokine expression and symptoms
Vincent Brennan (Dublin, Ireland), Christopher Mulvey, Lorna Lombard, Elaine Mac Hale, Patrick Kerr, Garrett Greene, Richard Costello

IL-33 drives airway remodeling by promoting mixed inflammation and pro-fibrotic pathways
Seblewongel Asrat (Tarrytown, United States), Subhashini Srivatsan, Brianna Buonagurio, Kirsten Nagashima, George Scott, Kaitlyn Gayvert, Wei Keat Lim, Dylan Birchard, Li-Hong Ben, Audrey Floc'H, Andrew Murphy, Matthew Sleeman, Jamie Orengo

Neuroimmune interactions and neuroplasticity in fatal asthma
Guilherme Dragunas (Munich, Germany), Natalia De Souza Xavier Costa, Reinoud Gosens, Carolina Demarchi Munhoz, Thais Mauad

Overexpression of miR-29b-3p in bronchial biopsies from individuals with asthma coincides with lower levels of soluble ST2 in bronchial lavage fluid
Jenny Calvén (Gothenburg, Sweden), Carina Malmhäll, Christopher McCrae, Kristina Johansson, Henric Olsson, Madeleine Råding

Sputum protein measures in severe asthma as a theragnostic tool
Clair Barber (Southampton (Hampshire), United Kingdom), Adnan Azim, Laurie Lau, Jon Ward, Scott P Elliott, Thomas Brown, Thomas Jones, Karl J Staples, Tom M A Wilkinson, Anoop Chauhan, Peter H Howarth

Fibrocytes induced airway epithelial dysfunction in severe T2-high asthma by producing T2 cytokines
Chih-Ming Weng (Taipei, Taiwan), Meng-Jung Lee, Yuh-Rong Lin, Mei-Chuan Chen, Wei-Ciao Wu, Han-Pin Kuo

Anisakis extract induces inflammation process: in vitro and ex-vivo study
Serena Di Vincenzo (Palermo (PA), Italy), Maria Ferraro, Valentina Lazzara, Paola Pinto, Ignazio Brusca, Vincenzo Ferrantelli, Gaetano Cammilleri, Elisabetta Pace

Intravital imaging of mucus transport after mucolytic treatment in IL-13-treated mice
Mario Pieper (Lübeck, Germany), Inken Schmutde, Hinnerk Schulz-Hildebrandt, Martin Ahrens, Gereon Hüttmann, Peter König

Quercetin modulate expression of paraoxonase 2 in human airways epithelial cells by inducing expression of nuclear factor like 2 (Nfr2)
Daniel Winnica (Aurora, United States), Shuyu Ye, Fernando Holguin

Effects of dexamethasone on human stem cell-derived peripheral cholinergic neurons

Guilherme Dragunas (Munich, Germany), Pien Goldsteen, Carli Koster, Marina Trombetta Lima, Sophie T Bos, Carolina Demarchi Munhoz, Reinoud Gosens

The IL23-Th17 axis in neutrophilic airway inflammation

Barsha Baisakhi Nayak (Graz, Austria), Iris Red, Juliana Schwanzer, Julia Teppan, Ilse Lanz, Melanie Kienzl, Akos Heinemann, Philipp Douschan, Eva Sturm

PS-6 in poster area**Session****12:30 - 14:00****Poster session: Cardiovascular-related aspects and non-positive airway pressure treatment of sleep-disordered breathing****Disease(s) :** Sleep and breathing disorders**Method(s) :** General respiratory patient care Physiology Pulmonary rehabilitation Epidemiology Public health Respiratory intensive care**Chairs :** Marijke Dieltjens (Edegem (Antwerp), Belgium), Richard Staats (Lisbon, Portugal)**Prevalence and characteristics of sleep apnea syndrome in heart failure patients**

syrine Abdellatif (Marsa, Tunisia), Ferdaous Yangui, Sawssen Antit, Hela Cherif, Amine Boufares, Salma Mkaddem, Mariem Triki, Lillia Zakhama, Mohamed Ridha Charfi

Sleep apnea screening questionnaires in heart failure patients

syrine Abdellatif (Marsa, Tunisia), Ferdaous Yangui, Sawssen Antit, Hela Cherif, Amine Boufares, Salma Mkaddem, Mariem Triki, Lilia Zakhama, Mohamed Ridha Charfi

Predictive factors of moderate to severe sleep apnea syndrome in heart failure

syrine Abdellatif (Marsa, Tunisia), Ferdaous Yangui, Sawssen Antit, Hela Cherif, Amine Boufares, Salma Mkaddem, Mariem Triki, Lilia Zakhama, Mohamed Ridha Charfi

Temporal association of ventricular arrhythmias and respiratory events in heart failure patients with CSA

Valentin Guenzler (Regensburg, Germany), Michael Arzt, Marjorie Grimm, Amélie Ebert, Florian Zeman, Dominik Linz, Holger Woehrle, Renaud Tamisier, Martin R Cowie, Christoph Fisser

Resolution of ST deviation in patients with and without sleep disordered breathing early after acute myocardial infarction

Aya Kassim (Regensburg, Germany), Michael Arzt, Henrik Fox, Clemens Wiest, Stefan Buchner, Stefan Stadler

Obstructive sleep apnea and ischemic ECG changes in Mauritius

Ulf Nilsson (Umeå, Sweden), Anders Blomberg, Paul Zimmet, Jaakko Tuomilehto, Dianna Magliano, George Alberti, Sudhir Kowlessur, Jonathan Shaw, Abdonas Tamosiunas, Stefan Söderberg

Trajectories of daytime sleepiness post-ischemic stroke and TIA: a propensity score matching study

Sébastien Baillieul (Grenoble CEDEX 9, France), Renaud Tamisier, Bastien Gevaudan, Sarah Alexandre, Olivier Detante, Yves Dauvilliers, Claudio Bassetti, Jean-Louis Pépin, Sébastien Bailly

Hypoxic Burden in patients with Obstructive Sleep Apnoea: Correlation with sleepiness, polygraphic parameters and cardiovascular risk factors

Thais Beauperthuy Levy (Valencia, Spain), Grace Jacqueline Oscullo Yepez, Marina Inglés Azorin, Jose Gomez Olivas, Amina Bekki, Sergio Mompean Rodríguez, Alberto García Ortega, Miguel Angel Martínez García

Predictors of nocturnal hypoxemic burden in patients with severe coronary artery disease

Michael Arzt (Regensburg, Germany), Verka Blagoeva, Maximilian Trum, Philipp Hegner, Bernhard Floerchinger, Daniele Camboni, Marcus Creutzenberg, Florian Zeman, Christof Schmid, Lars S Maier, Maria Tafelmaier

Time spent with saturation below 80% versus 90% as predictive values for cardiovascular risk in patients with obstructive sleep apnoea

Stefan Mihaicuta (Timisoara (Timis), Romania), Mariela Romina Birza, Stefan Frent, Alina Mirela Popa, Loredana Gligor, Martina Meszaros, Andras Bikov

Pharmacotherapeutic profile of sleep apnea patients

Stefan Mihaicuta (Timisoara (Timis), Romania), Mihai Udrescu, Adrian Militaru, Alexandru Topirceanu, Lucretia Udrescu

Sleep-wake cycle and the burden of comorbidities in patients with and without obstructive sleep apnoea

Salman Qayum (Manchester, United Kingdom), Laura Melissari, Balazs Csoma, Maria Mascareno Ponte, John Blaikley, Mahmoud Barakat, Andras Bikov

Impact of a sleep intervention program on anxiety and depression in patients with Chronic Musculoskeletal Pain
Sofia Romero Peralta (Madrid, Spain), Pilar Resano Barrio, Gloria Hernando Benito, Esther Solano Pérez, Carlota Coso, Laura Silgado Martínez, Juan Fernando Masa, Sonia López Monzoni, Leticia Álvarez Balado, María Esther Viejo Ayuso, Rosa Mediano San Andrés, María Castillo García, Olga Mediano

Effectiveness of pulmonary rehabilitation and oropharyngeal exercises in patients with moderate obstructive sleep apnea syndrome (OSAS)
Iana Andreieva (Zaporizhia, Ukraine), Oleksander Tokarenko, Dmitro Myrnyi

Efficacy of positional therapy in patients with positional obstructive sleep apnea: a retrospective study to investigate predictive factors in successful adaptation
Federica Bonavoglia (Voghera, Italy), Giulia Pennacchini, Angela Bellofiore, Carlo Magnoni, Marco Mantero

Short-term effectiveness of positional obstructive sleep apnoea therapy (SOMNIBEL®): An observational study
Ana Reyes Pardessus Otero (Barcelona, Spain), Paula Pujal Montaña, Inés Podzamczek Valls, Judit Gutiérrez Anguita, Marta Blanco Bejar, Marta Gutiérrez Rouco, Ana M^a Fortuna Gutiérrez, Mercedes Mayos Pérez

An audit to increase the efficiency of mandibular advancement splint (MAS) referrals to a hospital orthodontic department.
Matthew Holder (London, United Kingdom), Emma Weston, Guanhong Li, Lucy Davenport-Jones, Safoora Keshtgar

Use of the ExVent accessory with the O2Vent Optima oral appliance for the treatment of obstructive sleep apnea – A clinical trial
Sat Sharma (Toronto (ON), Canada), Antonella Conflitti

Long-term cephalometric analyses during treatment with mandibular advancement device (MAD) in patients treated for OSA
Jean-Baptiste Kerbrat (, France), Yamina Ibn Mejd, Marie Mercier, Elodie Aversenq, Florent Lavergne

Mandibular advancement device efficacy as a therapeutic alternative treatment in patients with OSA and CPAP intolerance after 3 years of follow up
Sara Gonzalez Castro (Tres Cantos (Madrid), Spain), Laura Pozuelo Sánchez, Ignacio Jara Alonso, Andrea Pérez Figuera, Alfonso Muriel García, Alberto Carreño Alejandre, María Parra Jarque, Lorena Delgado Vera-Pinto, Aldara García Sánchez, Irene Cano Pumarega, Eva Mañas Baena

PS-11 in poster area Session 12:30 - 14:00

Poster session: Paediatric viral and bacterial lung infections

Disease(s) : Airway diseases

Method(s) : Cell and molecular biology Epidemiology General respiratory patient care Public health Pulmonary function testing Physiology Imaging

Chairs : Marijke Proesmans (Leuven, Belgium), Livia Elena Brezeanu (Pucioasa, Romania)

An urbanized metabolic and airway immune profile increases the risk of infections in early childhood
Nicklas Brustad (Gentofte, Denmark), Jonathan Thorsen, Mina Ali, Casper-Emil Pedersen, Julie Kyvsgaard, Jenni Lehtimäki, Jakob Stokholm, Klaus Bønnelykke, Bo Chawes

Environmental risk factors for respiratory infection and wheeze in early childhood: a multi-centre cohort study
Tom Ruffles (Hove, United Kingdom), Sarah Inglis, Anjum Memon, Paul Seddon, Kaninika Basu, Stephen Bremner, Heike Rabe, Roger Tavendale, Colin Palmer, Somnath Mukhopadhyay, Katy Fidler

A prospective study of community-acquired lower respiratory tract infections during the first year of premature newborns

Asiah Kassim (Kuala Lumpur (Wilayah Persekutuan), Malaysia), 2.	Eunice Gui Yu Lee, 3.	N Fafwati Faridatul
Akmar Mohamad, 4.	Shangari Kunaseelan, 5.	Yi Cheau Chua, 6.
Yee Yen Tan, 7.	Sze Chiang Lui, 8.	
Maria Kamal, 9.	Lai Cheng Hooi, 10.	Hui Ling Leong, 11.
Sin Toun Loh, 12.	Ker Yang Chua, 13.	
Farah Inaz Syed Abdullah, 14.	Farizah Mohd Hairi, 15.	Hafizah Zainuddin, 16.
		Siew Hong Neoh

Genotypic diversity and immune dysregulation in children with HRA(rhinovirus) infections __PRESENT

PRESENT
Adnan Zafar (Rawalpindi, Pakistan), Bandar Alosaimi, Asif Naeem

The airway epithelium respiratory illnesses and allergy (AERIAL) birth cohort: viral exposure data within the first year of life
David Hancock (Nedlands, Australia), Stephen Stick, Elizabeth Starceovich

Air pollutants exposure and risk of hospitalization due to RSV in Polish children
Artur Badyda (Warszawa, Poland), August Wrotek, Piotr Dąbrowiecki, Piotr Oskar Czechowski, Tomasz Owczarek, Teresa Jackowska

Passive maternal anti-RSV immunization is influenced by the season of birth

Maria Giulia Conti (Roma, Italy), Leonardo Sorrentino, Lucia Lelli, Giorgio Fravolini, Eleonora Cresta, Laura Petrarca, Enrica Mancino, Elio Iovine, Domenico La Regina, Fabrizio Virgili, Alessandra Pierangeli, Enea Bonci, Raffaella Nenna, Fabio Midulla

Role and Diagnostic Performance of Host Epigenome in Respiratory Morbidity after RSV Infection

Sara Pischedda (Santiago de Compostela, Spain), Irene Rivero-Calle, Alberto Gómez-Carballa, Miriam Cebey-López, Ruth Barral-Arca, Jose Gómez-Rial, Jacobo Pardo-Seco, María José Curras-Tuala, Sandra Viz-Lasheras, Ana Belen Crujeiras, Angel Diaz-Lagares, Federico Martín-Torres, Antonio Salas

Monocyte-to-lymphocyte ratio and neutrophil-to-lymphocyte ratio as biomarkers for severity in hospitalized children with RSV bronchiolitis

Inbal Golan-Tripto (Beer sheva, Israel), Nitzan Burrack, Assaf Adar, Aviv Goldbart, Sarah Weissmann, Bracha Cohen, Itai Hazan, Amir Horev

Midlands empyema in paediatrics: A UK multicentre retrospective case series review

Nicola Rowbotham (Nottingham (Nottinghamshire), United Kingdom), Anna Harris, Hetal Patel, Caroline Poulter, Heleanne Vankuijk, Kamini Jain, Manisha Ramphul, Francis Gilchrist, Benjamin Davies, Andrew Prayle

Evaluation of pulmonary function tests and predictors in necrotizing pneumonia

begum yoruk (istanbul, Turkey), Sinem Can Oksay, Seyda Karabulut, Ebru Kostereli, Zeynep Reyhan Onay, Huseyin Arslan, Selma Nur Pirim, Gulay Bilgin, Deniz Mavi Tortop, Yasemin Gokdemir, Ela Erdem Eralp, Zeynep Seda Uyan, Ayse Ayzit Kiling, Velat Sen, Ali Özdemir, Sedat Oktem, Erkan Cakir, Saniye Girit

Distinction Between Hemoptysis and Pseudo-hemoptysis; Cross-Sectional Retrospective Study

Yasemin Mocan Çağlar (İstanbul, Turkey), Gülay Bilgin, Zeynep Reyhan Onay, Sinem Can Oksay, Deniz Mavi Tortop, Begüm Yörük, Özge Ülgen, Saniye Girit

How do SARS-CoV-2 pandemic measures influence prevalence of respiratory viruses in healthy infants?

Ruth Steinberg (Bern, Switzerland), Simone Troxler, Anne-Christianne Kentgens, Léa Ho Dac, Marion Curdy, Sophie Yammine, Philipp Agyeman, Pascal Bittel, Philipp Latzin, Insa Korten, Bild Bild Study

Spike specific salivary IgA2 is not induced or boosted by BNT162b2 vaccine in children

Maria Giulia Conti (Roma, Italy), Eva Piano Mortari, Raffaella Nenna, Alessandra Pierangeli, Leonardo Sorrentino, Fedreica Frasca, Laura Petrarca, Enrica Mancino, Greta Di Mattia, Luigi Matera, Matteo Fracella, Carolina Scagnolari, Rita Carsetti, Fabio Midulla

Exercise capacity is preserved in children six months after COVID-19 infection.

Lucia Ronco, Marco Denina, Lorenzo Appendini, Elisabetta Bignamini, Silvia Garazzino

Prospective evaluation of lung function in children with history of neonatal COVID-19 infection: preliminary data.

Stefano Nobile (Rome, Italy), Paola Catalano, Simonetta Costa, Maria Di Chiara, Benedetta De Santis, Gianluca Terrin, Roberto Chioma, Francesca Gallini, Giovanni Vento

Pulmonary evaluation in children with Long-COVID

Paola Di Filippo (Chieti (CH), Italy), Francesco Sansone, Laura Sgrazutti, Sabrina Di Pillo, Francesco Chiarelli, Marina Attanasi

Late Breaking Abstract - A living network meta-analysis comparing modalities in the management of pediatric empyema

Clara Fernández elviro (Lausanne, Switzerland), Bryn Longcroft-Harris, Emily Allin, Leire Leache, Kellan Woo, Jeffrey N. Bone, Colleen Pawliuk, Jalal Tarabishi, Matthew Carwana, Roshan A. Ananda, Priyadarshini Ramakrishnan, Tala J Alhejazi, Alyssa Chen, Amin Sharifan, Mohamed M. Shawqi, Marie Wright, Nassr Nama

Late Breaking Abstract - Fibrinolytics use in children with pleural empyema

Carmen Cornelia Maria de Jong (Stettlen, Switzerland), Ilja E Heijting, Peter J F M Merkus, Jolt Roukema, Lara S Van Den Wijngaart, Milanth S Pourier

PS-17 in poster area

Session

12:30 - 14:00

Poster session: Bronchiectasis treatments

Disease(s) : Airway diseases

Method(s) : Public health General respiratory patient care Pulmonary rehabilitation Respiratory intensive care Pulmonary function testing Epidemiology

Chairs : Pieter Goeminne (Bornem, Belgium), Holly R. Keir (Dundee (Angus), United Kingdom)

Dipeptidyl peptidase-1 inhibition in bronchiectasis with eosinophilic endotype in the WILLOW trial

James D. Chalmers (Dundee (Angus), United Kingdom), Mark L Metersky, Ariel Teper, Carlos Fernandez, Sebastian Fucille, Melanie Lauterio, Roald Van Der Laan, Andreas Maes, Michael R Loebinger

Safety, tolerability, pharmacokinetics(PK) and pharmacodynamics(PD) of HSK31858a novel DPP-1 inhibitor in healthy volunteers a phase I clinical trial

Weijie Guan (Guangzhou (Guangdong), China), Jie Hou, Fang Qiong Li, Wei Fang Zeng, Han Mo Liu

Beclomethasone-formoterol vs placebo for chronic cough in bronchiectasis: the FORZA randomised-controlled trial

Tjeerd van der Veer (Amsterdam, Netherlands), Johanna Margaretha De Koning Gans, Gert Jan Braunstahl, Angelina Pieters, Johanna Van Den Berg, Rogier Hoek, Lieve Kamphuis, Marleen Bakker, Alain Dubois, Joachim Aerts, Menno Van Der Eerden

Impact of hypertonic agents on the solid's concentration in patients with bronchiectasis. A post-hoc analysis

Victoria Serrano (vilafranca del penedes, Spain), Héctor Sanz-Fraile, Antoni Torres, Beatriz Herrero-Cortina

Nebulised Meropenem for prevention of Bronchiectasis Exacerbation

Iftikhar Nadeem (Lode, Cambridge, United Kingdom), Tejas Ingle, Masood Ur Rasool, Noor Mahdi, Syed Ata Ul Munamm, Bobbak Rabiei, Raaga Vijayarathay, Duncan Grady, Sumita Pai, Dorothy Grogono

Real-world use of the BEST score for IV antibiotic courses in bronchiectasis

Philip Mitchelmore (Kenton, United Kingdom), Hilary Mortimer, Helen Dunning, Kathryn Thomson, Laura Childs, Aye Khin, Hannah Thould

Pseudomonas aeruginosa eradication (PAE) in bronchiectasis (BE) with oral ciprofloxacin treatment (OC)

Letizia Traversi (Cittiglio, Italy), Maria Teresa Gomez-Martin Martín-Gómez, Daniel Romero, Almudena Felipe, Clara Pons, Antonio Alvarez, Ianire Gallego, Eva Polverino

Retrospective review of treatment approaches for Pseudomonas aeruginosa infections in patients with Primary Ciliary Dyskinesia: Insights from a Danish cohort

Mathias G. Holgersen (Copenhagen, Denmark), Frederik T. Søndergaard, June K. Marthin, Helle K. Johansen, Kim G. Nielsen

Pseudomonas aeruginosa eradication in patients with bronchiectasis: data from the EMBARC registry

Mattia Nigro (Opera (MI), Italy), Charles Haworth, Eva Polverino, Megan L. Crichton, Felix C. Ringshausen, Anthony De Soya, Montserrat Vendrell, Pierre Regis-Burgel, Michael R. Loebinger, Katerina Dimakou, Rosario Menendez, Antoni Torres, Tobias Welte, Francesco Blasi, Michal Shteinberg, Wim Boersma, J. Stuart Elborn, Pieter C. Goeminne, James D. Chalmers, Stefano Aliberti

The efficacy and safety of inhaled antibiotics for the treatment of bronchiectasis in adults: updated systematic review and meta-analysis

Ricardo José Pereira De Matos Cordeiro (Portela LRS, Portugal), Hayoung Choi, Charles S. Haworth, James D. Chalmers

Healthcare costs and resources utilization in patients with bronchiectasis compared to matched cohorts with asthma and COPD: a population-based cohort study

MARTA NADALIN (Monza, Italy), Raffaella Ronco, Matteo Monzio Compagnoni, Fabrizio Luppi, Giovanni Corrao, Paola Faverio

A citizen phage library for respiratory infection

Philip Mitchelmore (Kenton, United Kingdom), Steve Michell, Julie Fletcher, Robyn Manley, Remy Chait, Jaime Graham, Christian Fitch, Jan Zheng, Jessica Sacher, Alice Mills, Natalie Whitehead, Ben Temperton

Related factors to non-invasive ventilation in patients with acute bronchiectasis exacerbation

Mariem Friha (Ariana, Tunisia), Ines Moussa, Hana Mrassi, Sarra Ben Sassi, Sarra Trimech, Chirine Zaier, Imen Sahnoun, Leila Douik Elgharbi

Changes of QoL-B in bronchiectasis patients undergoing an outpatient intravenous antibiotic therapy; preliminary results from a tertiary European Multicenter Bronchiectasis Audit and Research Collaboration (EMBARC) centre.

Pia Ghosh (Stockholm, Sweden), Malin Sande, James D. Chalmers, Apostolos Bossios

Microbiology in inhaled antibiotic users with bronchiectasis: Data from the European Bronchiectasis Registry (EMBARC)

Charles Haworth (Cambridge, United Kingdom), Eva Polverino, Megan Crichton, Felix Ringshausen, Anthony De Soya, Montserrat Vendrell, Pierre Regis-Burgel, Michael Loebinger, Katerina Dimakou, Rosario Menendez, Antoni Torres, Tobias Welte, Francesco Blasi, Michal Shteinberg, Wim Boersma, Stuart Elborn, Pieter Goeminne, Stefano Aliberti, James Chalmers

Long-term High flow nasal cannula therapy in bronchiectasis

Francesca Simioli (Napoli (NA), Italy), Anna Annunziata, Pasquale Imitazione, Antonietta Coppola, Rosa Cauteruccio, Francesco De Simone, Giuseppe Fiorentino

Efficacy of inhaled tobramycin in adult patients with bronchiectasis and P. aeruginosa in sputum: a prospective observational study

Chrysavgi Kosti (Gerakas, Greece), Antonia Digalaki, Andreas Matthaiou, Sofia Koukidou, Emmanouela Zervou, Aikaterini-Ioanna Sakellaropoulou, Ioannis Roussis, Serafeim Chrysikos, Georgios Hillas, Katerina Dimakou

Study design of a Phase 2 rollover trial of the novel cathepsin C inhibitor BI 1291583 in patients with bronchiectasis
Michal Shteinberg (Haifa, Israel), Wiebke Sauter, Sanjay H Chotirmall, Pamela J Mcshane, Marcus Mall, Anne E O'Donnell, Peter Eickholz, Henrik Watz, Naoki Hasegawa, Anastasia Eleftheraki, Abhya Gupta, James D Chalmers

A single-centre audit of specialist Bronchiectasis care and outcomes at 12 months
Georgia Tooth (Cambridge, United Kingdom), Shauna Hanrahan, Victoria Monson, Dorothy Grogono

Fibrinogen and fractional exhaled nitric oxide as potential markers of lung functional impairment in clinically stable non-cystic fibrosis bronchiectasis
Nikoléta Bizymi (Heraklion Crete, Greece), Andreas M. Matthaïou, Georgios Pitsidianakis, Katerina M. Antoniou, Nikolaos Tzanakis

PS-4 in poster area

Session

12:30 - 14:00

Poster session: Towards the identification of new biomarkers in pulmonary diseases

Disease(s) : Airway diseases Interstitial lung diseases Sleep and breathing disorders Thoracic oncology Respiratory critical care

Method(s) : Cell and molecular biology Epidemiology Pulmonary function testing Respiratory intensive care Public health

Chairs : Nikolaos I. Kanellakis (Oxford, United Kingdom)

Oxidized low density lipoprotein mediates NLRP3 activation in patients with sleep apnea and early subclinical atherosclerosis.

Elena Díaz García (Madrid, Spain), David Sanz Rubio, Sara García-Tovar, Enrique Alfaro, Pablo Cubero, Ana V Gil, José M. Marín, Carolina Cubillos Zapata, Francisco García-Río

Influence of the therapeutic approach in the metabolomic profile evolution of Lung Adenocarcinoma patients

Daniela Sofia Madama Santos Silva (Coimbra, Portugal), David Carrageta, Pedro Oliveira, Marco Alves, Ana Margarida Abrantes

Human bronchial and alveolar epithelial cells respond differently to hypoxia and profibrotic stimuli

Martin Garcia-Ryde (Lund, Sweden), Rebecca Berggren-Nylund, Anna Löfdahl, Arturo Ibáñez-Fonseca, Monica Kåredal, Gunilla Westergren-Thorsson, Ellen Tufvesson, Anna-Karin Larsson-Callerfelt

Real-time breath volatilomics analysis by soft Ionisation Mass Spectrometry

Shahd Abuhelal (London, United Kingdom), Kenneth Robinson, Zoltan Takats, Salman Siddiqui

Optimisation of DNA extraction from nasal lining fluid to assess the nasal microbiome

Samuel Montgomery (Leederville (WA), Australia), Jose Caparrós-Martín

Predicting the efficiency of the treatment of comorbidity diabetes mellitus and multidrug-resistant tuberculosis depending on the polymorphism variation of glutathione-S-transferase genes

Ihor Semianiv (Chernivtsi, Ukraine), Liliia Todoriko, Marianna Semianiv, Mykola Garas

Hypoxia-induced metabolic response in obstructive sleep apnoea patients is influenced by sphingomyelin levels

Ott Kiens (Tartu, Estonia), Viktoria Ivanova, Egon Taalberg, Ketlin Veeväli, Ragne Tamm, Triin Laurits, Birgit Ahas, Martin Juss, Tuuliki Hion, Roman Pihlakas, Kalle Kilk, Ursel Soomets, Alan Altraja

Investigation into the Plasma Proteome Signature in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (ME/CFS)

Johanna Squires (Worcester, United States), Sarra Al-Zayer, Peng Li, Wenzhong Xiao, David Systrom

Minimally invasive autopsy as a tool for lung molecular study

Sabrina Setesmbre Batah (Ribeirão Preto, Brazil), Alexandre Fabro

Metabolomics of blood plasma from critically ill patients with suspected ventilator-associated pneumonia

Waqar Ahmed (Manchester, United Kingdom), Adam Burke, Nigel Gotts, Pouline Van Oort, Jonathan Bannard-Smith, Ben Morton, Ingeborg Welters, Ronan McMullan, Roy Goodacre, Paul Dark, Tim Felton, Stephen Fowler

Metabolomic analysis of exhaled breath can rule out ventilator-associated pneumonia (VAP) in critically ill patients

Waqar Ahmed (Manchester, United Kingdom), Iain White, Pouline Van Oort, Nicholas Rattray, Callum Docherty, Jonathan Bannard-Smith, Ben Morton, Ingeborg Welters, Ronan McMullan, Stephen Roberts, Roy Goodacre, Paul Dark, Tim Felton, Stephen Fowler

CFTR modulator therapy partially resolves inflammation in CF lung disease

Rosemary Maher (Liverpool, United Kingdom), Peter Barry, Edward Emmott, Andrew Jones, Lijing Lin, Paul McNamara, Jaclyn Smith, Robert Lord

Comparative analysis of macrolide antibiotics effects on bronchial epithelial cell differentiation in vitro

Arni Asbjarnarson (Reykjavik, Iceland), Fridrik Runar Gardarsson, Jon Petur Joelsson, Bryndis Valdimarsdottir, Ari Jon Arason, Snaevar Sigurdsson, Jennifer Kricker, Thorarinn Gudjonsson

BBS1 and BBS7 gene expression profile in mesothelial cells during hyperosmotic stress.

Rajesh Jagirdar (Larissa, Greece), Erasmia Rouka, Eleanna Pitaraki, Sotiris Sinis, Eleftherios Papazoglou, Rania Kotsious, Chrissy Hatzoglou, Konstantinos Gourgouliannis, Sotirios Zarogiannis

miRNA identification in Particles in Exhaled Air (PExA) to study lung diseases

Martina Bonatti (Solna, Sweden), Monika Ezerskyte, Pia Lindberg, Åsa Maria Wheelock

Development and validation of in vitro human inhalation toxicity tests for volatile liquids, mists, and sprays

Jan Markus (Bratislava, Slovakia), Yulia Kaluzhny, George R. Jackson, Paul Kearney, Silvia Letasiova, Mitchell Klausner, Alex Armento

Late Breaking Abstract - Circulating ITGB6 levels are elevated in patients with IPF and reduced following lung transplant

(,), Erine Budi, Prerna Kotak, Susan Jacobs, Tushar Desai, Scott Turner

Inhaled cannabis product methods for in vitro toxicological assessment

Emily Wilson (Montreal, Canada), Maddison Arlen, Rui Lui, Ryan Pusiak, Percival Graham, David Eidelman, Cory Harris, Carolyn Baglolo

Consensus clustering with missing labels (ccml): a consensus clustering tool for multi-omics integrative prediction in cohorts with unequal sample coverage

Åsa Wheelock (Stockholm, Sweden), Chuan-Xing Li, Hongyan Chen, C. Magnus Sköld, Meng Zhou

Impact of host DNA depletion in human upper respiratory microbiome investigations

Ekanayake Mudiyanse Udayan Anuradha Ekanayake (Hull, United Kingdom), Angela Oates, Simon Hart, Laura Sadofsky

PS-20 in poster area

Session

12:30 - 14:00

Poster session: Multidisciplinary approach for interstitial lung disease of known cause

Disease(s) : [Interstitial lung diseases](#)

Method(s) : Imaging Epidemiology Endoscopy and interventional pulmonology General respiratory patient care Pulmonary function testing Physiology

Chairs : Claudia Ravaglia (Forlì, Italy), Chair to be confirmed

Prediction of mortality in SSc-ILD depends on definition of ILD progression

Anna Maria Hoffmann-Vold (Oslo, Norway), Liubov Petelytskaya, Håvard Fretheim, Imon Barua, Mike Becker, Hilde Bjørkekjær, Cathrine Brunborg, Cosimo Bruni, Phuong Phuong Diep, Rucsandra Dobrota, Michael Durheim, Muriel Elhai, Suzana Jordan, Emily Langballe, Øyvind Midtvedt, Carina Mihai, Øyvind Molberg, Oliver Distler

Automatized quantification and progressive evaluation of SSc-ILD: a perspective from the PROFILE.net ERS Clinical Research Collaboration

Julien Guiot (Liège, Belgium), Fanny Gester, Monique Henket, Benoit Ernst, Simon Van Eyndhoven, Jelle Praet, Dirk Smeets, Clio Ribbens, Béatrice André, Renaud Louis

Nutritional parameters in ILD: correlation with functional test and CT

Eva Ailin Vallejos (Ciudad Autónoma Buenos Aires, Argentina), Florencia Santia, Ana Downey, Veronica Barcos, Gabriela Legarreta, Silvana Acuña, Alberto Case, Juan Enghelmayer, Ana Putruele

LUNG ULTRASONOGRAPHY HELPS RULE OUT INTERSTITIAL LUNG DISEASE IN PATIENTS WITH RHEUMATOID ARTHRITIS.

Maria Otaola (Ciudad Autónoma Buenos Aires, Argentina), Marcos Rosemffet, Jonathan Balcazar, Miguel Perandones, Paola Orausclio, Tomas Cazenave, Santiago Rossi, Sebastian Marciano, Emilce Schneeberger, Gustavo Citera

Forced oscillation technique in progressive pulmonary fibrosis

Anna Denis (Liège, Belgium), Monique Henket, Hadrien Gillet, Laurie Giltay, Fanny Gester, Renaud Louis, Julien Guiot

Transbronchial lung cryobiopsy for the diagnosis of Fibrotic Hypersensitivity Pneumonitis

Pedro Magalhães Ferreira (Vila Nova de Gaia (District de Porto), Portugal), Francisco Machado, Hélder Novais-Bastos, Natália Melo, André Terras Alexandre, Patrícia Caetano Mota, Susana Guimarães, Conceição Souto-Moura, André Carvalho, António Morais

Pulmonary 18F-FDG up-take refines current risk stratification in non-specific interstitial pneumonitis (NSIP) and predicts response to treatment.

Hannah Torlot (London, United Kingdom), Thida Win, Balaji Ganeshan, Nick Sreaton, Toby Maher, Francesco Fraioli, Raymond Endozo, Robert Shortman, Ashley Groves, Joanna Porter

Lung ultrasonographic findings and oxygen desaturation as markers of severity in diffuse parenchymal lung diseases

Ahmed Sadaka (Alexandria, Egypt), Asmaa Gomaa, Hoda Abdelgawad, Hanaa Shafiek, Eman Hatata, Nashwa Abdelwahab

Diagnostic value of transbronchial cryobiopsy in patients with suspicion of pulmonary graft-versus-host disease after allogeneic hematopoietic cell transplantation

Katrin Esther Hostettler (Basel, Switzerland), Kathleen Jahn, Joerg Halter, Andrei Darie, Daiana Stolz, Lukas Bubendorf, Christian Arranto, Jakob Passweg, David Winkel, Maurice Pradella, Spasenija Savic Prince, Michael Tamm

Pulmonary function in Thai patients with systemic sclerosis; a single center 6-year retrospective study

Thitisak Sakulvorakitti (Pathumthani, Thailand), Pattarin Pirompanich

Long term evaluation of pulmonary function in systemic sclerosis associated interstitial lung disease (SSc-ILD)

Daniela Stefana Gologanu (Bucuresti (Sector 1), Romania), Marius Cotet, Simona Caraiola, Alina Dima, Daniela Popescu, Magda Parvu, Razvan Ionescu, Cristian Baicus, Valentin Nedelcu, Ion Ion, Marius Balea

SSc-ILD pulmonary function dynamics – is “normal” dangerous?

Marius-Alexandru Cotet (Bucuresti, Romania), Daniela Gologanu, Valentin Nedelcu, Ion Andrei Ion, Marius Ioan Balea, Daniela Popescu, Alina Dima, Magda Pârvu, Valer Pompilian, Doina Nițescu, Simona Caraiola, Răzvan Ionescu, Camelia Badea, Larisa Pinte, Cristian-Răsvan Băicuș

Overt and covert airflow limitations in DPLD: a spirometric appraisal

Sayanti Karmakar (KOLKATA, India), Sayoni Sengupta, Avishek Kar, Debkanya Dey, Shuvam Ghosh, Dipanjan Saha, Arindam Mukherjee, Parthasarathi Bhattacharyya

Evaluation of lung function referral and testing in the context of Interstitial Lung Disease (ILD).

Calvin Apen (Doncaster (South Yorkshire), United Kingdom), Muhammad Khan

Diagnostic performance of the hypersensitivity pneumonitis guidelines in a real-life multicenter cohort

Avraham Unterman (Tel Aviv, Israel), Ophir Freund, Yitzhak Hadad, Tamar Shalmon, Ori Wand, Sonia Schneer, Tal Moshe Perluk, Eyal Kleinhendler, Tzlil Herskho, Boaz Tiran, Evgeni Gershman, Yochai Adir, David Shitrit, Amir Bar-Shai

Clinical characteristics and changes in pulmonary function tests of rheumatoid arthritis-associated lung diseases: A 10-year retrospective study from a tertiary referral center in Southern Thailand

Punchalee Kaenmuang (Songkhla, Thailand), Asma Navasakulpong, Nunthamon Wonghirundecha, Sarayut Lucien Geater

Radiological features of myositis-related ILD and implications for disease course

Cara M Gill (Dublin, Ireland), Brian Gaffney, Brian Sheehy, Marissa O'Callaghan, Leah Rooney, Eamonn Molloy, Jonathan D Dodd, David J Murphy, Emmet Mc Grath, Michael P Keane, Cormac Mc Carthy

Multidisciplinary collaboration for correct diagnosis and correct treatment in interstitial lung disease associated with connective tissue diseases

Nesrin Öcal (Ankara, Turkey), Emre Tekgöz, Seda Çolak, Ezgi Çimen Güneş, Deniz Doğan, Muhammet Çınar, Yakup Arslan, Cantürk Taşçı

-Impact of antigen exposure on survival and treatment response in hypersensitivity pneumonitis

Monica Mullin (Vancouver, Canada), Gustavo Fernandex, Daniel-Costin Marinescu, Boyang Zheng, Alyson W. Wong, Deborah Assayag, Jolene H. Fisher, Kerri A. Johannson, Nasreen Khalil, Martin Kolb, Helene Manganas, Veronica Marcoux, Julie Morisset, Christopher J. Ryerson

Management of connective tissue disease related interstitial lung diseases in a district general hospital.

Natasha Ramsundar (London, United Kingdom), Alex Francioni, Muhammad Nisar, Vijay Joshi, Judeson Gnanapragasam

PS-3 in poster area

Session

12:30 - 14:00

Poster session: Long-term home ventilatory support: goals and outcomes

Disease(s) : Respiratory critical care Sleep and breathing disorders Airway diseases

Method(s) : Pulmonary rehabilitation General respiratory patient care Respiratory intensive care Epidemiology Physiology
Pulmonary function testing

Chairs : Peter J. Wijkstra (Groningen, Netherlands), Chloé Cantero (Paris, France)

Can health-related quality of life predict mortality in home mechanical ventilated patients?

Carla Ribeiro (Vila Nova de Gaia, Portugal), Cristina Jácome, Luisa Castro, Sara Conde, Wolfram Windisch, Rui Nunes

Long-term health-related quality of life in patients on home mechanical ventilation

Carla Ribeiro (Vila Nova de Gaia, Portugal), Cristina Jácome, Luisa Castro, Sara Conde, Wolfram Windisch, Rui Nunes

- German Version of the S3-NIV Questionnaire - Translation, Cultural adaptation and Validation of a simple tool for the assessment of home noninvasive ventilation

Daniel Majorski (Cologne, Germany), Axel Kuck, Doreen Kroppen, Sarah Schwarz, Maximilian Wollsching-Strobel, Friederike Magnet, Tim Mathes, Wolfram Windisch

Perceived health-related benefits and side effects of long-term Home Mechanical Ventilation in an outpatient setting
Diana Amorim (Maia, Portugal), Leonor Roseta, Cristina Jacome, Pedro Oliveira, Daniela Ferreira, Carla Nogueira, Sara Conde, Rui Nunes, Carla Ribeiro

Understanding the outcomes that matter to Patients and what influences these: An International Survey of Patients Treated by Home Mechanical ventilation (HNV)
Cecile Delval (Paris, France), Judith Livingston, Manuella Schaller

Patients' perception of home mechanical ventilation benefits and side effects: does disease play a role?
Leonor Roseta (Calvão – Vagos, Portugal), Diana Amorim, Cristina Jácome, Pedro Oliveira, Daniela Ferreira, Carla Nogueira, Sara Conde, Rui Nunes, Carla Ribeiro

Cardiomyopathy as cause of death in Duchenne muscular dystrophy – a longitudinal observational study
Joël Julien Herzig (Zürich, Switzerland), Annabel Lechner, Jacqueline Gabriela Kientsch, Silvia Ulrich, Esther Irene Schwarz

Survival of multiple sclerosis patients requiring positive airway pressure and/or mechanical insufflation-exsufflation.
Anastasia Krompa (London, United Kingdom), Neeraj Mukesh Shah, Michael Cheng, Rebecca Francesca D'Cruz, Philip Marino, Michelle Ramsay, Shelley Srivastava, Joerg Steier, Eui-Sik Suh, Nicholas Hart, Patrick Brian Murphy, Georgios Kaltsakas

Determining factors affecting survival in a hospital-based motor neurone disease population on domiciliary NIV
Revati Naran (London, United Kingdom), Swapna Mandal

Predictors of survival at initiation of non-invasive ventilation in amyotrophic lateral sclerosis
Neeraj Shah (New Malden Surrey), United Kingdom, Anne Rossel, Bawan Abdulaziz, Shauna Sheridan, Michael Cheng, Rebecca D'Cruz, Philip Marino, Shelley Srivastava, Joerg Steier, Eui-Sik Suh, Nicholas Hart, Patrick Murphy, Michelle Ramsay, Georgios Kaltsakas

Surgical outcomes in patients on home mechanical ventilation
Jan De Mey (Ghent, Belgium), Lauren Heyman, Luc De Baerdemaeker, Eric Derom

Successful tracheostomy decannulation in patients with neuromuscular disorders: long-term follow-up
Chan Woong Jang (Seoul, Republic of Korea), Han Eol Cho, Miri Suh, Won Ah Choi, Su Hyun Cho, Inyeop Kim, Seong-Woong Kang

Pulmonary rehabilitation (PR) referral of COPD patients established on home NIV
Léa Razakamanantsoa (Paris, France), Typhaine Huchard, Jean-François Muir, Antoine Cuvelier, Tristan Bonnevie, Maxime Patout

Home Non Invasive Ventilation (H-NIV) Patient Characteristics and Outcomes: Observational study in a teaching hospital in the UK
Kashvin Kumar Ram Kumar (Norwich, United Kingdom), Hannah Bardsley, Vicky Ershadi, Georgina Siggins, Prasanna Sankaran

Long-term Noninvasive Ventilation for COPD patients following an exacerbation with acute hypercapnic respiratory failure: a randomized controlled trial
Jon Torgny Rostrup Wilcke (København Ø, Denmark), Caroline Hedsund, Kasper Linde Ankjærgaard, Tine Peick Sonne, Philip Tønnesen, Ejvind Frausing Hansen, Helle Frost Andreassen, Ronan M. G. Berg, Jens-Ulrik Stæhr Jensen

Prognostic indicators of Non-Invasive Ventilation dependence in Duchenne muscular dystrophy
Kenki Matsumoto (London, United Kingdom), Carrie Hallam, Michael Polkey, Shruthi Konda

Cognitive impairment in patients non-concordant with domiciliary non-invasive ventilation: A service evaluation
Ashleigh Thorn (London, United Kingdom), Stephanie Mansell, Eleanor Main

Long term survival in ALS patients with Home Tracheostomy Mechanical Ventilation
Mariam García Alfaro (Peralta, Spain), Andrea Ballester Ferriz, Jesús Sancho Chinesta, Santos Ferrer Espinosa, Jaime Signes-Costa Miñana

Intermittent abdominal pressure ventilation in management of neuromuscular diseases: a Delphi panel consensus
Anna Annunziata (Napoli (NA), Italy), Francesca Simioli, Antonella Marotta, Antonietta Coppola, Rosa Cauteruccio, Francesco De Simone, Paola Pierucci, Paolo Banfi, John R. Bach, Giuseppe Fiorentino

Intermittent abdominal pressure ventilation: efficacy in neuromuscular diseases.
Francesca Simioli (Napoli (NA), Italy), Anna Annunziata, Maria Rosaria Valentino, Antonietta Coppola, Cauteruccio Rosa, Angela Mirizzi, Roberto Rega, Giuseppe Fiorentino

Disease(s) : Airway diseases Interstitial lung diseases**Method(s) :** General respiratory patient care Epidemiology Pulmonary function testing Imaging**Chairs :** Myrofora Goutaki (Bern, Switzerland), Céline Kempeneers (Liège, Belgium)**Variability of lung function in patients with primary ciliary dyskinesia (PCD): longitudinal analysis from the PROVALF-PCD cohort, a BEAT-PCD Collaboration**

Bruna Rubbo (Bristol, United Kingdom), Kewei Zhang, Avni Kant, Melissa Borelli, Carolina Constant, Silvia Castillo-Corullón, Ela Eralp, Claire Hogg, Cordula Koerner-Rettberg, Enrico Lombardi, Natalie Lorent, Vendula Martinu, Lucy Morgan, Kim Nielsen, Heymut Omran, Ugur Ozcelik, Phil Robinson, Sandra Rovira-Amigo, Guillaume Thouvenin, Nicola Ullman, Woolf Walker, Panayiotis Yiallourous, Camille Pearse, Bettina Frauchiger, Claudia Kuehni, Nicole Beydon, Philipp Latzin, Jane Lucas

Lung function and airway microbiology in primary ciliary dyskinesia (PCD): cross-sectional analysis from the PROVALF-PCD cohort, a BEAT-PCD Collaboration

Bruna Rubbo (Bristol, United Kingdom), Avni Kant, Kewei Zhang, Annalisa Allegorico, Mieke Boon, Melissa Borelli, Claudia Calogero, Siobhán Carr, Carolina Constant, Silvia Castillo Corullón, Nagehan Emiralioglu, Amanda Harris, Bulent Karadag, June Marthin, Vendula Martinu, Lucy Morgan, Heymut Omran, Phil Robinson, Sandra Rovira-Amigo, Anne Schlegtendal, Guillaume Thouvenin, Panayiotis Yiallourous, Claudia Kuehni, Philipp Latzin, Nicole Beydon, Jane Lucas

Evaluating gene-disease relationships in motile ciliopathies: an international ClinGen and BEAT-PCD ERS CRC collaboration.

Suzanne Crowley (Oslo, Norway), William Hankey, Marwa Elnagheeb, Rahma Mani, Maria-Ines Benito, Rasha Soliman, Mafalda De Almeida Gomes, Alexander Ing, Sabri Abdelwahab, Lindsay Worley, Shannon McNulty, Justine Siew, Courtney Lynn Thaxton, Catrina M Loucks, Simon Thomas, Maimoona Zariwala, Margaret Leigh, Deborah Morris-Rosendahl, Ewa Ziętkiewicz, Sharon Dell, Ben Gaston, Bernd Dworniczak, Robert Hirst, Johanna Raidt, Keith Nykamp, William Hannah, Mahmoud Fassad, Amelia Shoemark, Marie Legendre, Hannah Mitchison

Genotype-phenotype associations in primary ciliary dyskinesia

Eva Sophie Lunde Pedersen (Bern, Switzerland), Myrofora Goutaki, Leonie D Schreck, Jane S Lucas, Claudia E Kuehni

Physical activity in people with primary ciliary dyskinesia

Eva Sophie Lunde Pedersen (Bern, Switzerland), Leonie D Schreck, Myrofora Goutaki, Claudia E Kuehni

Association between upper and lower respiratory disease in primary ciliary dyskinesia

Yin Ting Lam (Bern, Switzerland), Jean-François Papon, Mihaela Alexandru, Andreas Anagnostos, Miguel Armengot, Mieke Boon, Andrea Burgess, Doriane Calmes, Suzanne Crowley, Sinan Ahmed. D. Dheyaudeen, Nagehan Emiralioglu, Ela Erdem Eralp, Christine Van Gogh, Eric G. Haarman, Amanda Harris, Isolde Hayn, Sara-Lynn Hool, Bülent Karadag, Céline Kempeneers, Sookyoung Kim, Philipp Latzin, Natalie Lorent, Ugur Ozcelik, Ana Reula, Jobst Roehmel, Panayiotis Yiallourous, Myrofora Goutaki

Fertility counselling in people with primary ciliary dyskinesia

Leonie Daria Schreck (Bern, Switzerland), Eva Sophie Lunde Pedersen, Philippa Jörger, Katie Dexter, Michele Manion, Sophie Christin-Maitre, Nathalie Massin, Bernard Maitre, Myrofora Goutaki, Claudia E Kuehni

Neonatal problems of people with primary ciliary dyskinesia in Switzerland

Myrofora Goutaki (Bern, Switzerland), Mirjam Koller, Yin Ting Lam, Leonie D. Schreck, Eva S.L. Pedersen, Claudia E Kuehni

Piloting the FOLLOW-PCD questionnaire: a clinical and research tool

Myrofora Goutaki (Bern, Switzerland), Yin Ting Lam, Jean-François Papon, Eva S.L. Pedersen, Claudia E. Kuehni

A BEAT-PCD consensus statement: a core outcome set for pulmonary disease interventions in primary ciliary dyskinesia

Eric G. Haarman (Amsterdam, Netherlands), Renate Kos, Myrofora Goutaki, Helene E Kobbernagel, Bruna Rubbo, Amelia Shoemark, Stefano Aliberti, Josje Altenburg, Pinelopi Anagnostopoulou, Rodrigo A. Athanazio, Nicole Beydon, Sharon D. Dell, Nagehan Emiralioglu, Thomas W. Ferkol, Micael R Loebinger, Natalie Lorent, Bernard Maitre, June K Marthin, Lucy C. Morgan, Kim G. Nielsen, Felix C. Ringhausen, Michal Shteinberg, Harm A.W.M. Tiddens, Anke H. Maitland-Van Der Zee, James D. Chalmers, Jane S.A. Lucas

Impact of steroid and hydroxychloroquine treatment on cILD: A tertiary care experience

Beril Ecem Kiraci (Ankara, Turkey), Halime Nayir Buyuksahin, Nural Kiper, Nagehan Emiralioglu, Ugur Ozcelik, Deniz Dogru Ersoz, Ebru Yalcin

The clinical and genetic spectrum of the interstitial lung diseases in infancy associated with surfactant protein disorders: A retrospective study

Dilber Ademhan Tural (Ankara, Turkey), Beste Ozsezen, Halime Nayir Nuyuksahin, Birce Sunman, Ismail Guzelkas, Nagehan Emiralioglu, Ebru Yalcin, Deniz Dogru, Ugur Ozcelik, Nural Kiper

Clinical characteristics and outcome of drug induced interstitial lung disease in pediatric population.

Mireia Vilella Sabate (Cambrils (Tarragona), Spain), Jordi Costa Colomer, Isabel Gascón Casaredi, Núria Ferrer Bosch, Maria Cols Roig

Pediatric non-CF bronchiectasis in the Vinnytsia region in Ukraine - what can we do better?

Oleksandr Mazulov (Vinnytsia, Ukraine), Kate Khromykh, Oksana Tykholaz

Multiple breath washout and imaging to detect early pulmonary toxicity in paediatric cancer patients and survivors: first results of a systematic review

Jakob Usemann (Basel, Switzerland), Christine Schneider, Christa Koenig, Enno Stranzinger, Maša Žarković, Claudia Kuehni, Christina Schindera

A comparison of management of primary spontaneous pneumothorax in children and adults

Lauren Blake (Cambridge, United Kingdom), Theofilos Polychronakis, Stefan Marciniak

Impact of immunoprophylaxis with palivizumab on respiratory syncytial virus infection in preterm infants less than 35 weeks in Colombian hospitals

Alejandro Colmenares (Bogotá, Colombia), Clara Galvis, Lina Cabrales, Linda Ibatá, Juliana Marulanda, Oscar Ovalle, Dionisio Puello, Catherine Rojas, Martha Africano, Adriana Ballesteros, Héctor Posso

Predictors of poor outcomes of respiratory syncytial virus acute lower respiratory infections in children under 5 years of age in a middle-income tropical country based on the National Public Health Surveillance System

Ranniery Acuña-Cordero (Bogotá, Colombia), Carlos Rodríguez-Martínez

Factors associated with measles-related deaths during the 2017-2019 outbreaks in Vietnam

Hoang Nguyen Vu (Palaiseau, France), Minh Hung Tran, T. H. Nhung Pham, Huu Phuc Phan, Minh Dien Tran, Hoang-Anh Ngo

Survey on the variability in provision of Paediatric Respiratory Medicine (PRM) services in district general hospitals across the UK

Renu Khetan (Nottingham (Nottinghamshire), United Kingdom), Christabella Ng, Emily Beswick, Donna Traves, Jayesh Bhatt

PS-8 in poster area

Session

12:30 - 14:00

Poster session: New frontiers in chronic cough, α 1-antitrypsin deficiency, and airway diseases endoscopy

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Epidemiology General respiratory patient care Cell and molecular biology Endoscopy and interventional pulmonology Surgery Imaging Physiology Pulmonary function testing

Chairs : Gaetano Caramori (Messina (ME), Italy), Chair to be confirmed

Efficacy and safety of gefapixant for treatment of refractory or unexplained chronic cough: a systematic review and dose-response meta-analysis

Elena Kum (Hamilton, Canada), Matthew Patel, Nermin Diab, Mustafaa Wahab, Dena Zeraatkar, Derek Chu, Gordon Guyatt, Paul O'Byrne, Imran Satia

Relevance of cough in patients with severe asthma: Analysis from the Korean Severe Asthma Registry (KoSAR) study

Hwa Young Lee (Seoul, Republic of Korea), Youngsoo Lee, Seung-Eun Lee, Da Woon Sim, Noeul Kang, Byung-Jae Lee, Joo-Hee Kim, Sung-Yoon Kang, Ga-Young Ban, Young Hee Nam, Sujeong Kim, Chan Sun Park, So Ri Kim, Jin An, Byung Keun Kim, Heung-Woo Park, Taehoon Lee, Ji-Ho Lee, So-Young Park, Sook Young Lee, Hae-Sim Park, You Sook Cho, Sang-Heon Kim, Woo-Jung Song

Early cough severity changes over the first 4 weeks of treatment with gefapixant in two phase 3 studies

Surinder S. Birring (London, United Kingdom), Peter Dicipinigitis, Alyn Morice, Qing Li, Eduardo Urdaneta, George Philip, Carmen La Rosa

Demographics and subjective cough outcomes of guideline-based treatment in the McMaster Cough Clinic.

Mustafaa Wahab (Hamilton, Canada), Elena Kum, Nermin Diab, Danica Brister, Caitlin Obminski, Jennifer Wattie, Lesley Wiltshire, Karen Howie, Sue Beaudin, Kieran Killian, Jaclyn Smith, Gordon Guyatt, Roma Sehmi, Gail Gauvreau, Paul O'Byrne, Imran Satia

Cough responses to inhaled hypotonic solutions correlate with other measures of refractory chronic cough

James Wingfield Digby (Manchester (Greater Manchester), United Kingdom), Jenny King, Rachel Dockry, Maria Belvisi, Michael Wortley, Sara Bonvini, Eric Dubois, Shannon Galgani, Kimberley Holt, Shilpi Sen, Phil Turner, Paul Czyzyk, Paul Marsden, Jacky Smith

Does the type of Inhaler matter in cough variant or cough predominant asthma?

Marta Dąbrowska (Warszawa, Poland), Elżbieta M. Grabczak, Katarzyna Białek-Gosk, Dominika Siwik, Wojciech Apanasiewicz, Rafał Krenke

Patient-reported cough severity in women with chronic cough and stress urinary incontinence treated with gefapixant

Peter Dicpinigaitis (New York, United States), Surinder S. Birring, Linda Cardozo, Roger Dmochowski, Amna S. Afzal, Susan Lu, Allison Martin Nguyen, Ruji Yao, Carmen La Rosa, Paul Reyfman

Association of changes in self-reported cough severity and cough-induced stress urinary incontinence (phase 3b gefapixant trial)

Peter Dicpinigaitis (New York, United States), Surinder S. Birring, Linda Cardozo, Roger Dmochowski, Amna S. Afzal, Susan Lu, Allison Martin Nguyen, Ruji Yao, Carmen La Rosa, Paul Reyfman

Burden of disease in a phase 3b trial of gefapixant in women with chronic cough and stress urinary incontinence

Surinder S. Birring (London, United Kingdom), Linda Cardozo, Peter Dicpinigaitis, Roger Dmochowski, Amna S. Afzal, Susan Lu, Allison Martin Nguyen, Ruji Yao, Carmen La Rosa, Paul Reyfman

Surfactant found in cleaning products, 4-tert-octylphenol, causes airway sensory nerves firing and airway smooth muscle contraction

Billy Peter Baxter (London, United Kingdom), Sara J. Bonvini, Michael A. Wortley, Eric D. Dubuis, John J. Adcock, Fisnik Shala, James Bolaji, Mark A. Birrell, Teresa D. Tetley, Maria G. Belvisi

Adherence to inhaled corticosteroids in patients with asthma prior to and during the first 12 months of COVID-19 pandemic

Miguel Santibañez Margüello (Santander (Cantabria), Spain), Isabel Rodríguez, Juan Carlos Com López-Caro, Silvia Gonzalez-Carranza, Maria Elena Cerrato, Maria Mar De Prado, Francisca Gomez-Molleda, Margarita Pinel, Maria Teresa Saiz, Carmen Fuentes, Juan Luis García-Rivero

Comparing neuronal phenotypes in two preclinical models of chronic lung disease

Jonathan H. A. Miles (Hatfield, United Kingdom), Sara J. Bonvini, Michael A. Wortley, James W. Pinkerton, Sabina Issop, Charlotte E. Healey, Mark A. Birrell, Maria G. Belvisi

Investigating the efficacy of a NaV1.7 channel blocker on airway sensory nerve activation and cough

Sara Jane Bonvini (London, United Kingdom), Fisnik Shala, John Adcock, Michael Wortley, Ranganath Gopalakrishnan, Stuart Francis, Ramon Hendrickx, Marianna Stamou, Linda Fröderberg Roth, Edward Humphries, Cristina Gardelli, Mark Birrell, Maria Belvisi

Assessment of clinical outcome after endoscopic lung volume reduction with one-way valves in emphysema patients and a very-low 6 minute walk test at baseline

Jacopo Saccomanno (Berlin, Germany), Lara Kilic, Thomas Sgarbossa, Martin Witzernath, Franz Stanzel, Angelique Holland, Christian Grah, Wolfgang Gesierich, Andreas Gebhardt, Joachim H. Ficker, Stephan Eggeling, Stefan Andreas, Bernd Schmidt, Stephan Eisenmann, Björn Björn Schwick, Karl-Josef Franke, Andreas Fertl, Ralf-Harto Hübner

Manifestations and management of laryngoceles: A report of 10 cases

Rim Hammami (Sfax, Tunisia), Souha Kallel, Sirine Ayedi, Omar Walha, Najla Bahloul, Mohamed Amin Chaabouni, Sami Kammoun, Ilhem Charfeddine

Acquired tracheal stenosis: what to do?

Najla Bahloul (Sfax, Tunisia), Kallel Souha, kharrat rania, Ben Ayed Mariem, Salem Noura, Ayadi Syrine, Kammoun Sami, Charfeddine Ilhem

Smoking cessation improves lung function in heterozygote alpha-1 antitrypsin patients.

Dimitrios Toumpanakis (Athens, Greece), Nicholas S Hopkinson, Sally Meah, James P Allinson, Omar S Usmani

Treatment of emphysema in patients with very severe alpha-1-antitrypsin deficiency

Emily F. A. van 't Wout (Leiden, Netherlands), Ilaria Ferrarotti, Robert A. Stockley, Jan Stolk

Late Breaking Abstract - Neutrophilic inflammation associates with dysregulated iron metabolism in COPD.

James Baker (MANCHESTER, United Kingdom), Christopher McCrae, Andrew Higham, Simon Lea, Dave Singh

Late Breaking Abstract - Validation of assays measuring functional alpha-1 antitrypsin (AAT) in patients with AAT deficiency (AATD)

Jason Zour (La Jolla, United States), Varun Ramani, Carolina Bellizzi, Buket Onel, Liz Nolff, Brendan Eckelman, Carson Veldstra

PS-9 in poster area

Session

12:30 - 14:00

Poster session: Asthma and chronic obstructive pulmonary disease

Disease(s) : Airway diseases Interstitial lung diseases Sleep and breathing disorders

Method(s) : General respiratory patient care Epidemiology Physiology Public health Pulmonary rehabilitation Pulmonary function testing Imaging Cell and molecular biology

Chairs : Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom)

Severe Asthma and sleep disorders: a Severe Asthma Network Italy (SANI) analysis

Sebastian Ferri (Milan (MI), Italy), Enrico Heffler, Francesca Puggioni, Pierluigi Paggiaro, Francesco Blasi, Giorgio Walter Canonica

Risk factors for asthma exacerbations in adult-onset asthma: an analysis of GINA report

Lauri Nordman (Tampere, Finland), Iida Vähätalo, Leena Tuomisto, Onni Niemelä, Lauri Lehtimäki, Pinja Ilmarinen, Hannu Kankaanranta

Preserved ratio impaired spirometry (PRISm) as a spirometric pattern among Bulgarian asthma patients

Stoilka Koleva Mandadzhieva (Plovdiv, Bulgaria), Plamena Stoimenova

Isolated respiratory microbials and clinical characteristics in exacerbation of obese asthmatics: a multicenter study

Jung Hyun Chang (Seoul, Republic of Korea), Sojung Park, Yon Ju Ryu, Jin Hwa Lee, Yong-Il Hwang

Is impulse oscillometry useful in the diagnosis tracheobronchomalacia in patients with severe asthma?

Juan Fco. Nieves Salceda (Oviedo, Spain), Tamara Hermida Valverde, Marta Iscar Urrutia, Francisco Julian López González, Ana Isabel Enriquez Rodríguez, María Rodríguez Pericacho, Marta Sánchez Zeballos, Angela Lanza Martínez, Laura Martínez Vega, Laura Abad Chamorro, Eduardo Sánchez Vázquez, Patricia Álvarez Álvarez, María Rodil Riera, Isabel Martínez González-Posada, Ramón Fernández Álvarez, Marta María García Clemente

Documentation of comorbidities, lifestyle factors and other asthma management details during scheduled asthma contacts in primary health care

Jaana Takala (Seinäjoki, Finland), Iida Vähätalo, Leena Tuomisto, Onni Niemelä, Pinja Ilmarinen, Hannu Kankaanranta

Nasal polyposis and asthma : clinical severity and recurrence

Rim Hammami (Sfax, Tunisia), Souha Kallel, Sirine Ayedi, Youssef Hbaieb, Najla Bahloul, Mohamed Amin Chaabouni, Sami Kammoun, Ilhem Charfeddine

Core function in adults with severe asthma and the relationship with dyspnoea and dysfunctional breathing

Joice Mara Oliveira (Londrina, Brazil), Vanessa L Clark, Karina Couto Furlanetto, Peter G Gibson, Vanessa L McDonald

Young asthmatics with exercise-induced bronchospasm have repercussions on cardiac autonomic modulation

Debora Carneiro de Mendonca (Vitória de Santo Antão, Brazil), Glívia Maria Barros Delmondes, Bruno Rafael Vieira Souza Silva, Polyanna Guerra Chaves Quirino, José Angelo Rizzo, Edil Albuquerque Rodrigues Filho, Emanuel Sarinho, Camila Matias De Almeida Santos, Decio Medeiros, Emilia Chagas Costa, Alexandre Sérgio Silva, Breno Quintella Farah, Marco Aurélio De Valois Correia Júnior, Steve Hunter

Worsening of asthma control after recovery from mild to moderate COVID-19

Wang Chun Kwok (Hong Kong, Hong Kong), Terence Chi Chun Tam, David Chi Leung Lam, Jackson Ka Chun Leung, King Pui Florence Chan, Shung Kay Samuel Chan, Ka Yan Chiang, Mary Sau Man Ip, James Chung Man Ho

Overweight improves long-term survival in Japanese patients with asthma

Jun Sasaki (Kurume, Japan), Tomotaka Kawayama, Takashi Kinoshita, Chiyo Matama, Shingo Tsuneyoshi, Ryo Yano, Masanobu Matsuoka, Tomoaki Hoshino

Physical activity, sedentary behaviour and sleep quality of Sri Lankan adults with and without COPD: cross-sectional study

Akila Randika Jayamaha (Colombo, Sri Lanka), Chamilya H Perera, R. S. Karunatilake, A. Fernando, S. W. Wimalasekera, S. J. Singh, M. W. Orme

Hypercapnia increases airway resistance in patients with stable chronic obstructive pulmonary disease

Vitalii Kryvenko (Giessen, Germany), Masahiko Shigemura, Werner Seeger, Jacob. I. Sznajder, István Vadász

Differences in the consumption of health resources in patients with COPD exacerbations according to convivence with family members.

Stephany Ivonne Briones Alvarado (Madrid, Spain), Katuska Herminia Liendo Martinez, Zichen Ji, Cristina Sánchez Fernández, Javier De Miguel-Diez, Luis Puente-Maestu

Microbial contamination of home nebulisers and its impact on Chronic Obstructive Pulmonary Disease(COPD) patients

Darshan Kumar Bajaj (Lucknow (Uttar Pradesh), India), Richa Tyagi, Jyoti Bajpai, R A S Kushwaha, Sapna Dixit, Ankit Kumar, Surya Kant, Neha Kumari, Ajay Kumar Verma

Co-morbidities and frailty in a single practice primary care COPD cohort in UK

Mukesh Singh (Sutton Coldfield (West Midlands), United Kingdom), Ketan Singh

Echocardiographic findings of Left Ventricular Function of stable Chronic Obstructive Pulmonary Disease (COPD) patients in a tertiary training hospital in Tacloban City

Bobby Jay Ochea (Tacloban City, Philippines), Paula Teresa Sta. Maria, Leila Diaz

The serial reversibility with salbutamol and glycopyrronium in obstructive airway disease (OAD)-an appraisal

Parthasarathi Bhattacharyya (Kolkata (West Bengal), India), Srijita Sen, Shuvam Ghosh, Debkanya Dey, Avishek Kar

Comparing Cardiovascular disease pattern among COPD patients with and without bronchiectasis.

Saadia Ashraf (Peshawar, Pakistan), Amber Ashraf, Yasir Imtiaz, Rukhsana Anwar, Hamza Asif, Hussain Ahmed

Late Breaking Abstract - Oral bacteria and rate of lung function decline in a general population

Christine Drengenes (Bergen, Norway), Hesham Amin, Ane Johannessen, Kristina Mathiesen, Cecilie Svanes, Randi Bertelsen

PS-7 in poster area**Session****12:30 - 14:00****Poster session: Addressing exacerbations and pneumonia in airway diseases****Disease(s) :** Airway diseases Respiratory critical care**Method(s) :** General respiratory patient care Cell and molecular biology Epidemiology Respiratory intensive care Imaging**Chairs :** Sachin Ananth (London, United Kingdom), Charlotte Suppli Ulrik (Virum, Denmark)**Increased risk of severe cardiovascular events following exacerbations of COPD: a multi-database cohort study**

Claus Vogelmeier (Marburg, Germany), Sami Simons, Edeltraut Garbe, Don Sin, Nathaniel Hawkins, Nicolas Manito, Salud Santos, Karin Polinder, Muriel Lobier, Paul Ekwaru, Nils Kossack, Ignacio Hernandez, Hana Mullerova, Arsh Randhawa, Lindy Van Burk, Joaquin Sanchez-Covisa, Kirsty Rhodes, Clementine Nordon, On Behalf Of The Exacos-Cv Study Group

Respiratory specialist visit before admission with a COPD exacerbation may affect management and outcomes.

Ophir Freund (Tel Aviv, Israel), Boaz Tiran, Eyal Kleinhendler, Evgeni Gershman, Avishay Elis, Amir Bar-Shai

In-hospital antibiotic use for severe chronic obstructive pulmonary disease exacerbations: a retrospective observational study

Anna Vanoverschelde (Ghent, Belgium), Chloë Van Hoey, Franky Buyle, Nadia Den Blauwen, Pieter Depuydt, Eva Van Braeckel, Lies Lahousse

FREQUENCY OF OCCURRENCE AND GENE-SEROTYPE CHARACTERISTIC OF STREPTOCOCCUS PNEUMONIAE IN COHORT OF PATIENTS WITH COPD.

Rano Nalibaeva (Tashkent, Uzbekistan), Irina Liverko

Predictive factors for the occurrence of COPD exacerbations

Meriam Nemleghi (Ariana, Tunisia), Hela Kamoun, Bochra Karaborni, Hadhemi Rejeb, Dorra Greb, Hajer Abdelghaffar, Ines Akrou, Hela Hassene, Leila Fekih, Hanene Smadhi, Mohamed Lamine Meghdiche

One-year mortality and readmission rate following hospitalization for acute exacerbation of chronic obstructive pulmonary disease based on the types of acute respiratory failure

Hong-Joon Shin (Gwangju, Republic of Korea), Bo Gun Kho, Young-Ok Na, Jae-Kyeong Lee, Tae-Ok Kim, Yong-Soo Kwon, Yu-Il Kim, Sung-Chul Lim

Tapering courses of oral corticosteroids after hospital admission due to asthma exacerbation

Richard Russell (Leicester, United Kingdom), Meghna Ray, Hamza Yaqub, Anna Murphy

Inhaled corticosteroid might not affect clinical outcomes of pneumonia in patients with chronic obstructive pulmonary disease

Inso Cho (Wonju, Republic of Korea), Min-Seok Chang, Ji-Ho Lee

Inhaled versus systemic corticosteroids in COPD exacerbations: a meta-analysis.

Efthymia Papadopoulou (Thessaloniki, Greece), Sulaiman Bin Safar, Ali Khalil, Ran Wang, Konstantinos Kostikas, Stavros Tryfon, Jørgen Vestbo, Alexander G. Mathioudakis

Better Response to Tanreqing Injection in Frequent Acute Exacerbation of Chronic Obstructive Pulmonary Disease (AECOPD) Patients—Real-World Evidence from a Nationwide Registry (ACURE) Study

Guohui Fan (Beijing, China), Dingyi Wang, Sinan Wu, Ting Yang

Systemic inflammation and exacerbations are associated with serum vitamin D levels in a cohort of patients with COPD, group E

Apostolos Sioutas (Athens, Greece), Petra Kristina Jacobson, Hans Lennart Persson

Validation of an EMR derived algorithm to identify moderate asthma exacerbations in the UK

Kieran J. Rothnie (London, United Kingdom), Robert Wood, Theo Tritton, Beade Number, Mark Small, Claire Trennery, Rosie Wild, David Slade, Shiyuan Zhang, Chris Compton, Gema Requena, Stephen Noorduy, Afisi Ismaila, Emma Goodall

A prospective study of inhaled therapy prescribing, pMDI technique assessment, and inhaler concordance amongst hospitalised patients with airways disease

Luanne Lai (Middlesbrough, United Kingdom), Bethany Cockerill, Emma Lunn, Reem Abdelgadir, George Antunes

COPD Patients Admitted to Hospital: A Missed Opportunity to Optimise Care?

(), Alicia Piwko, Alyson Tee, Karina Gukhool, Gráinne D'Ancona, Amy Dewar

Interpreting the significance of collagen-IV level changes in bronchoalveolar fluid in acute COPD exacerbation before and after tiotropium bromide treatment

Mariana Kulynych-Miskiv (Galych, Ukraine), Mykola Ostrovskyy, Vasyl Miskiv, Iryna Savelikhina, Oleksandr Varunkiv, Kostiantyn Shvets, Alla Zuban, Nadiia Korzh, Olga Molodovets, Galyna Korzh

A Comparative Study to Evaluate the Efficacy/Outcome of Non-invasive Positive Pressure Ventilation through Mechanical Ventilator and conventional BiPAP in Patients of Hypercapnic Respiratory Failure

Aman Ahuja (Vellore, India), Manoharlal Gupta, Sanjay Sogani

A Simple Clinical Risk Score (A2CDPS) for Predicting Mortality in Patients with AECOPD and Cardiovascular Diseases

Jiarui Zhang (chengdu, China), Haixia Zhou, Qun Yi, Chen Zhou, Yuanming Luo, Hailong Wei, Huiqing Ge, Huiguo Liu, Jianchu Zhang, Xianhua Li, Pinhua Pan, Mengqiu Yi, Lina Cheng, Liang Liu

Medical errors in the use of antibacterial drugs of the cephalosporin group at the outpatient stage of the treatment of respiratory pathology

Irina Liverko (Tashkent, Uzbekistan), Feruza Niyazova

Bronchodilators delivered via high-flow nasal cannula (HFNC) in adults with moderate-severe asthma exacerbation admitted to the emergency department (ED)

Nico Colaanni Alfonso (Buenos Aires, Argentina), Guillermo Cesar Montiel, Ada Toledo, Mauro Castro-Sayat, Mariano Techera

Characteristics of exacerbations in patients with severe, uncontrolled asthma who received tezepelumab versus placebo

Arnaud Bourdin (Montpellier Cedex 5, France), Michael E Wechsler, Christopher E Brightling, Stephanie Korn, Guy Brusselle, Liam G Heaney, Sandhia Ponnarambil, Gillian Hunter, Andrew W Lindsley, Christopher S Ambrose

PS-15 in poster area

Session

12:30 - 14:00

Poster session: Epidemiological and public health aspects in tuberculosis

Method(s) : Public health General respiratory patient care Imaging Epidemiology Pulmonary function testing

Chairs : Irina Kontsevaya (Borstel, Germany), Chair to be confirmed

Characteristics of Household Contacts of Rifampin and Multidrug-resistant Tuberculosis Cases at High Risk of Progression to Tuberculosis Disease in Vietnam.

Vicky Chang (Sydney (NSW), Australia), Thu-Anh Nguyen, Binh Nguyen, Nhung Nguyen, Greg Fox

Miliary TB in East London (2014-2022): a retrospective review of microbiology, imaging and outcomes

Joseph Gafton (London, United Kingdom), Daniel Pope, Santino Capocci, Janan Jeyatheesan, Rory Mcdermott

Risk of tuberculosis after endoscopic resection in gastric cancer: nationwide population-based study

Hye Sung Khil (Seoul, Republic of Korea), Sue In Choi, Byung-Keun Kim, Eun Joo Lee, Sang Yeub Lee, Won Jai Jung

Impact of the COVID-19 pandemic on tuberculosis services in a rural area of Senegal

Giulia Menotti (Bologna, Italy), Maddalena Giglia, Marina Tadolini, Niccolò Riccardi, Mar Diop Yacine, Mamoudou Ndiaye, Giorgio Besozzi, Giovanni Sotgiu, Laura Saderi, Luigi Ruffo Codecasa

Post-TB lung disease: what can be learned from the past

Maria João Cavaco (Coimbra, Portugal), Sofia Alves, Luís Mateus, André Nunes, Ricardo Cordeiro, Carina Silvestre, Carla Janela, Natália André, Paula Raimundo, Teresa Falcão

Development of a prognostic prediction model of death in new tuberculosis patients

Parichat Niyomthong (Phrae, Thailand), Arpakorn Prawan, Wikanda Udomdech, Thanin Chattrapiban

Impaired lung function in South African children with pulmonary tuberculosis

Ingrid Joy Courtney (Cape Town, South Africa), Vita W. Jongen, Ruan Swanepoel, Carl Lombard, Rory Dunbar, Pierre Goussard, Eric Mccollum, H. Simon Schaaf, Anneke C. Hesseling, Megan Palmer, Marieke M. Van Der Zalm

Assessing patient satisfaction with Video-Observed Therapy (VOT) for drug-susceptible tuberculosis during the COVID-19 pandemic.

Sandra Ragheb (Calgary, Canada), Jinell White, Julie Jarand, Dina Fisher, Rachel Lim

Frequency of serious adverse events on therapy with modified fully oral shorter treatment regimens (mSTR) for MDR/RR-TB

Elmira Gurbanova (Baku, Azerbaijan), Natalia Yatskevich, Askar Yedilbayev, Oleksandr Korotych, Arax Hovhannesyan, Maryna Tyshko, Nastassia Dankova, Alena Skrahina

Does pulmonary tuberculosis differ by gender?

Nemsi Ella (Tunis, Tunisia), Ben Jemia Emna, Chaabi Khouloud, Khedhiri Manel, Ben Attig Yosra, Ben Amar Jihene, Boudaya Sadok, Zaibi Haifa, Aouina Hichem

Tuberculosis and HIV – the Lisbon reality

Helena Pires (Almada, Portugal), Joana Carvalho, Joana Diogo, Susana Carreira, Dalila Ferreira, Teresa Mourato, Luís Coelho

Impact of war to treatment of tuberculosis: experience of Kharkiv, Ukraine

Olha Konstantynovska (Kharkiv, Ukraine), Petro Poteiko, Iryna Kalmykova, Hanna Buravel, Svitlana Tiahlo, Tetiana Synenko

Preventive treatment of latent tuberculosis infection: prevalence of adverse events among 23602 patients treated over the last 30 years at Villa Marelli in Milan.

Sarah Elizabeth O'Donnell (Milan, Italy), Gloria Leonardi, Federica Piedepalumbo, Maurizio Ferrarese, Alice Repossi, Marco Mantero, Pierachille Santus, Francesco Blasi, Luigi Ruffo Codecasa

The burden of multi-drug resistant tuberculosis in the era of coronavirus disease 2019 pandemic in Pakistan: A public health threat of global concern

Muhammad Imran (Peshawar, Pakistan), Zafar Iqbal, Sajjad Khan, Khalid Jamal, Azhar Uddin, Shumaila Javaid, Abdul Ghafoor, Muhammad Salman Khan

COVID pandemic and its drawback effects on tuberculosis in vulnerable groups

Ionela-Alina Grosu-Creangă (Iasi (Iasi), Romania), Maria Panescu, Valentina Esanu, Adriana Ioana Sorete-Arbore

Latent tuberculosis infection in healthcare workers – the reality of a Portuguese hospital

Carina Rôlo Silvestre (S. João das Lampas, Portugal), Rute Afonso, Sofia Alves, Maria Cavaco, Luis Mateus, André Nunes, Ricardo Cordeiro, Natália André, Paula Raimundo, Teresa Falcão, António Domingos

Prevention of tuberculosis among healthcare providers: reality of an endemic country

hanane ikrou (agadir, Morocco), Sofia Farhat, Nada Boutbagha, Houssam Ennaciri, Houda Moubachir, Hind Serhane

Impact of COVID-19 pandemic and country of origin on tuberculosis treatment outcome in Greece

Foteini Gkakou (Thessaloniki, Greece), Maria Sionidou, Panagioti Kyreltsi, Athanasios Avramidis, Serafeim-Chrysovalantis Kotoulas, Marija Hadji-Mitrova, Eleni Papadaki, Giorgos Sakalis, Anna Tsakona, Katerina Manika

21st Century: Directly Observed Video-Therapy of Anti-Tuberculosis Treatment

Joana Catarina Batista Canadas (Rio Maior (District de Santarém), Portugal), Francisca Guimarães, Maria Cunha, Raquel Armindo, Joana Carvalho, Catarina Pissarra, Soledade Estribio, Paula Rosa

The impact of the COVID-19 pandemic on tuberculosis detection in Tashkent, Uzbekistan

Ruzilya Usmanova (Tashkent, Uzbekistan), Nargiza Parpieva, Irina Liverko, Ilhomjon Butabekov, Yuliya Dolgusheva, Revaz Kokhodze, Mahliyo Muhamedova, Sharofiddin Yuldashev, Hasan Safayev

PS-14 in poster area

Session

12:30 - 14:00

Poster session: Nursing and digital health**Disease(s) :** Airway diseases Interstitial lung diseases Thoracic oncology Sleep and breathing disorders Respiratory critical care**Method(s) :** General respiratory patient care Pulmonary rehabilitation Endoscopy and interventional pulmonology Respiratory intensive care**Chairs :** Rui Pedro Marques da Silva (Sobreira – Paredes, Portugal), Liliana Silva (Matosinhos, Portugal)**Implementation of a digital programme to promote self-management via cognitive behavioural therapy approaches for breathless people with chronic respiratory disease and symptoms of anxiety: a proof-of-concept study.**

Karen Heslop-Marshall (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Graham Burns, Ioannis Vogiatzis, Matthew Armstrong

Experiences and Perceptions of Telemedicine in Patients Living with Advanced Chronic Obstructive Pulmonary Disease: A Qualitative Evidence Synthesis.

Una O'Connor (Limerick, Ireland), Geraldine Crilly, Claire Quinn

Successful implementation of Telehealth services in Respiratory nurse clinic -COPD

Maggie, Pik Kee Lit (Kowloon, Hong Kong), Kuen Han Lee, Fung Ting Mak, Pui Shan Chow, Yuen Hin Wong, Yiu Hei Chan, Wai Man Johnny Chan

Web-based intervention to increase physical activity in COPD patients: a pilot study

Ricardo Salgado (Lausanne, Switzerland), Philippe Delmas, Patrício Costa, Miguel Padilha

Routine monitoring with pleural manometry during thoracentesis in an Interventional Pulmonology Unit

Marta Navarro Colom (Barcelona, Spain), Laura Romero, Virginia Pajares, Albert Rafecas, Ana Pardessus, Alfons Torrego

Which digital solutions provide security, quality and safety for patients in Long Term Non Invasive Ventilation (LT-NIV)?

Bettina Pedersen (Faaborg, Denmark), Anne Dichmann Sorknæs, Hanne Svenningsen, Grete Bøgesvang, Britta Aaes

Analysis of the clinical effects of different nebulized inhalation devices on nurses' inhalation exposure

Qin Zeyu (Changchun (Jilin), China), Lin Hongjing

Nursing care of a pregnant woman with primary mediastinal large B-cell lymphoma complicated with airway stenosis

Yu Zhang (Beijing, China), Chunyan Zhang, Shuqin Wang, Bing Sun, Yanrui Jia

Usability of Emento Digital Care Guide: A personalized, self-guided, app-based intervention for patients with rare lung diseases

Nanna Vendelboe Gregersen (Aarhus N, Denmark), Vibeke Skivild, Birgit Refsgaard Iversen, Elisabeth Bendstrup

AmbuFlex – a telemedicine tool for improving patient pathways for patients with COPD?

Lene Brock Jakobsen (Viby J., Denmark), Birgit Refsgaard Iversen

Discharge management of high-risk COPD patients with remote wisdom

Hui-Wen Po (Douliou, Taiwan), Ying-Chien Chu, Hui-Zhen Cai

Intervention for improving sleep in patients with inflammatory bowel disease (IBD). Study protocol

Mónica Granados Martín (Madrid, Spain), Dania Rocío Díaz Rodríguez

Late Breaking Abstract - Effect of different form of upper limb muscles training on dyspnea in COPD

Marc Beaumont (Morlaix, France), Loïc Péran, Anne-Cécile Berriet, Catherine Le Ber, Eloïse Philippe, Emmanuelle Courtois-Communiér, Francis Couturaud

Late Breaking Abstract - Longitudinal follow-up in non-hospitalised individuals with post COVID-19 condition

Anna Törnberg (Bromma, Sweden), Annie Svensson, Anna Svensson-Raskh, Elisabeth Rydwik, Mikael Björnson, Michael Runold, Judith Bruchfeld, Malin Nygren-Bonnier

Late Breaking Abstract - Adult Primary Ciliary Dyskinesia (PCD) physiotherapy standards of care in England

Connie Webster (Leeds, United Kingdom), Stevie Peake, Elizabeth Shepherd

12:45-13:45

INDUSTRY LUNCHTIME SYMPOSIUM

SEE PAGE 1

Studio (White)

Session

13:15 - 14:50

Year in review: Clinical year in review**Management of respiratory diseases**

Aims : to provide an overview of the most relevant advances in diagnosis and treatment of chronic obstructive pulmonary disease (COPD), obstructive sleep apnoea, interstitial lung disease (ILD), idiopathic pulmonary fibrosis, cystic fibrosis (CF) and COVID-19; to discuss recent findings indicating potential novel pathways that support COPD subphenotypes and evidence for potential new drugs and therapeutic approaches to treat COPD; to describe evidence about the prognosis of different sleep indices alongside different patient cluster responses to continuous positive airway pressure therapy in terms of major cardiovascular events in patients with obstructive sleep apnoea; to examine major developments in diagnostic imaging methods and techniques (including computed tomography, magnetic resonance imaging and ultrasound) for lung function assessment in patients with COPD, ILD, CF and COVID-19; to discuss recent evidence of the effectiveness of alternative pulmonary rehabilitation models for patients with chronic respiratory diseases.

Disease(s) : Airway diseases Interstitial lung diseases Sleep and breathing disorders**Method(s) :** Cell and molecular biology Imaging Physiology**Tag(s) :** Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Respiratory therapist

Chairs : Ioannis Vogiatzis (Blyth, United Kingdom), Jellien Makonga-Braaksma (Woudenberg, Netherlands)

13:15	Advances in sleep breathing disorders Sophia E. Schiza (Heraklion, Greece)
13:30	Developments in diagnostic imaging Andrea Aliverti (Milan, Italy)
13:45	Discussion and Q&A
14:00	Break
14:05	Novel therapeutic approaches for COPD Florence Schleich (Liège, Belgium)
14:20	Alternative models of pulmonary rehabilitation Thierry Troosters (Leuven, Belgium)
14:35	Discussion and Q&A

Purple Session 13:45 - 15:15

Symposium: Kidney-lung crosstalk in pulmonary disease

Aims : to describe the pulmonary-renal link in physiology and pathological conditions. To discuss the interorgan crosstalk, which is emerging as a key underlying pathophysiologic mechanism in both systemic (sepsis and critical illness) and organ-specific (chronic obstructive pulmonary disease (COPD) and interstitial lung disease) illnesses; to emphasize the interaction between the kidneys and lungs in pathological conditions that has been recently identified; to explain the clinical and therapeutic consequences of the crosstalk between the kidneys and lungs.

Disease(s) : Airway diseases Interstitial lung diseases Respiratory critical care

Method(s) : Cell and molecular biology Physiology

Tag(s) : Translational

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Respiratory critical care physician, Pathologist, Scientist (basic, translational)

Chairs : Silke Meiners (Sülfeld, Germany), Salman Siddiqui (London, United Kingdom), Julie Bastarache (Nashville, United States)

13:45	The importance of lung-kidney crosstalk in homeostasis and disease Wolfgang M. Kübler (Berlin, Germany)
14:00	Cellular and molecular mechanisms of kidney-lung crosstalk in acute lung injury John Laffey (Galway, Ireland)
14:15	The endothelial cell in lung-kidney interactions in COPD Francesca Polverino (Houston, United States)
14:30	The kidney and interstitial lung disease Gabriela Riemekasten (Lübeck, Germany)
14:45	Discussion and Q&A

Coral 2 Session 13:45 - 15:15

Hot topics: The role of novel imaging modalities in sarcoidosis diagnosis and management

Aims : to discuss pivotal role of imaging in diagnosis and follow-up of patients with sarcoidosis; to point out the most appropriate imaging studies, stressing their advantages in various forms of sarcoidosis; to emphasise the important role of high-resolution computed tomography (HRCT) for detection and assessment of subtle parenchymal lesions and abnormalities of lung structures; to present role of HRCT and newly emerging photon counting CT (PCCT) in differentiating active inflammation from irreversible lung disease and fibrosis; to discuss use of magnetic resonance imaging (MRI) for evaluating the involvement of the myocardium in sarcoidosis, as well as increased interest in the role of diffusion-weighted MRI for the characterisation of mediastinal lymphadenopathy.

Disease(s) : Airway diseases Interstitial lung diseases Thoracic oncology

Method(s) : Epidemiology General respiratory patient care Imaging

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Respiratory critical care physician, Paediatrician, Pathologist, Physician in Pulmonary Training, Radiologist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon

Chairs : Karen Moor (Rotterdam, Netherlands), Carlos Robalo Cordeiro (Coimbra, Portugal)

14:30	Sarcoidosis: gaps in diagnosis and treatment Paolo Spagnolo (Padova (PD), Italy)
13:45	Sarcoidosis: when is HRCT not enough and when should PCCT be performed? Adám Domonkos Tárnoki (Budapest, Hungary)
14:00	MR in sarcoidosis: is it reserved for cardiac sarcoidosis/assessment of cardiac involvement?
14:15	Is there a role for PET CT in sarcoidosis? Speaker to be confirmed
14:45	Discussion and Q&A

Coral 1 Session 13:45 - 15:15

Hot topics: Determinants of lung function trajectories and respiratory health from infancy to adulthood

Aims : to provide a life-course approach to respiratory health and lung function from birth to adulthood; to explain the prenatal and perinatal mechanisms involved in increased susceptibility priming of the lung for disease later in life; to summarise the current evidence on early-life risk factors that are associated with respiratory symptoms and lower lung function trajectories later in childhood; to present data from large respiratory cohort studies on tracking of lung function trajectories from school age to adulthood and the factors that define these trajectories; to discuss how this knowledge is translated into clinical practice, examining the role that paediatric clinical history is playing in managing respiratory health in adults.

Disease(s) : Airway diseases Paediatric respiratory diseases

Method(s) : Epidemiology Physiology Pulmonary function testing

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist

Chairs : Nicole Beydon (Paris, France), Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Dirk Schramm (Düsseldorf, Germany)

13:45	Lung function trajectories across the life-course: the looking forward/backward concept Shyamali Dharmage (Carlton Victoria, Australia)
14:00	A mechanistic view into the early-life microenvironment and lung health Speaker to be confirmed
14:15	Looking forward: is the lung growth trajectory fixed or can we intervene? Erik Melén (Stockholm, Sweden)
14:30	Novel biomarkers of impaired lung function in clinical practice Rosa Faner Canet (Barcelona, Spain)
14:45	Discussion and Q&A

Coral 4+5 Session 13:45 - 15:15

Hot topics: Current challenges in airways disease management

Aims : to provide an update on our knowledge of airway disease pathophysiology and its clinical implications; to present new paradigms and latest challenges that appear in the airway diseases management.

Disease(s) : Airway diseases

Method(s) : Epidemiology General respiratory patient care Physiology

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Scientist (basic, translational)

Chairs : Emer Kelly (Dublin 4, Ireland), Apostolos Bossios (Stockholm, Sweden), Omar S. Usmani (London, United Kingdom)

13:45	Aiming for remission in asthma: is this a useful treatment goal? Johann Christian Virchow (Rostock, Germany)
14:00	Evolution in GOLD: we cannot 'see' 'C' anymore and LABA/ICS are gone. Helpful or a hindrance? Antonio Anzueto (SAN ANTONIO, United States)

14:15 Chronic rhinosinusitis: how do we diagnose and do we treat with biologics or surgery?
Mona Al-Ahmad (Kuwait, Kuwait)

14:30 Cough drugs and trials: truly novel medicines or is it all a placebo effect?
Marta Dąbrowska (Warszawa, Poland)

14:45 Discussion and Q&A

Coral 3 Session 13:45 - 15:15

State of the art session: Thoracic oncology

Aims : to present four selected hot topics that are currently in the scientific spotlight of thoracic oncology care; –to explain how pulmonologists can within their expertise treat and guide patients throughout the entire continuum of thoracic malignancies in close collaboration with other relevant disciplines and professions.

Disease(s) : Thoracic oncology

Method(s) : Cell and molecular biology Endoscopy and interventional pulmonology Imaging

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Pathologist, Patient, Physician in Pulmonary Training, Radiologist, Respiratory physiotherapist, Thoracic oncologist, Thoracic surgeon, Respiratory therapist

Chairs : Marcello Migliore (Riyadh, Saudi Arabia), Andriani Charpidou (Athens, Greece), Joanna Chorostowska-Wynimko (Warsaw, Poland)

13:45 New insights into tumour biology: digital pathology in lung cancer diagnostics
Speaker to be confirmed

14:00 It is not always malignant: a revisited systematic approach to diagnose the solitary pulmonary nodule
Torsten Gerriet Blum (Berlin, Germany)

14:15 Determining suspicious pleural findings: update on differential diagnostic strategies for pleural thickening and plaques
Najib M. Rahman (ABINGDON, United Kingdom)

14:30 Modern physiotherapy as an essential component of lung cancer and pleural mesothelioma care
Maria Koulopoulou (London, United Kingdom)

14:45 Discussion and Q&A

Gold Session 13:45 - 15:15

State of the art session: Respiratory infections

Management of respiratory infections: the future and the present

Aims : to provide an overview of the most interesting advances in the field of respiratory infections from a translational perspective; to cover different topics from the role of mucosal immunity in determining the clinical outcomes to the more advance research in term of prevention and treatment of respiratory infections.

Disease(s) : Respiratory infections

Tag(s) : Clinical

Target audience : Clinical researcher, Adult pulmonologist/Clinician, General practitioner, Physician in Pulmonary Training

Chairs : Eva Polverino (Barcelona, Spain), Onno Akkerman (Groningen, Netherlands), Graham H. Bothamley (London, United Kingdom)

13:45 The role of mucosal immunity of the lung in respiratory infections
Paul G. Thomas (Memphis, United States)

14:00 The role of microbiome in chronic respiratory diseases: contribution to stability and to exacerbations
Sanjay Haresh Chotirmall (Singapore, Singapore)

14:15 Non-antibiotic strategies to fight respiratory infections
Speaker to be confirmed

14:30 Update on vaccination to preventable respiratory infections
Tobias Welte (Hannover, Germany)

14:45 Discussion and Q&A

Silver Session 13:45 - 15:15

Journal session: ERJ/NEJM joint session

Chairs : Darren Taichman (Boston, United States), James D. Chalmers (Dundee (Angus), United Kingdom)

13:45

14:00

14:15

14:30

14:45 Discussion and Q&A

14:00-14:45

INDUSTRY SKILLS LAB WORKSHOP

SEE PAGE 1

Yellow 1+2+3 Session 14:15 - 15:30

Oral presentation: The future of non-invasive ventilation: new applications, selection of patients and the value of advanced monitoring

Disease(s) : Sleep and breathing disorders Airway diseases Respiratory critical care Thoracic oncology

Method(s) : Physiology General respiratory patient care Respiratory intensive care

Chairs : Marieke L. Duiverman (Groningen, Netherlands), Claudia Crimi (Catania (CT), Italy)

Late Breaking Abstract - Efficacy of non-invasive ventilation with expiratory washout in stable COPD patients: A randomised cross-over pilot.

Ruth Semprini (Harbour View (Lower Hutt), New Zealand), Stacey Kung, Alex Semprini, Jessica Fogarin, Sascha Zoellner, Richard Beasley, Louis Kirton, Karen Oldfield, Marjan Doppen, Allie Eathorne, Georgia Hoggarth, Zamir Joya, Sajida Ismatullah

Comparison of Extubation Success between Prophylactic Helmet NIV and Facemask NIV in High-Risk Postextubation Patients; A Randomized Controlled Trial

Napat Jirawat (Bangkok, Thailand), Naplika Kongpolprom

The effect of prone position and helmet CPAP on ventilatory pattern

Antonella LoMauro (Milano (MI), Italy), Annalaura Deluca, Paolo Scarpazza, Andrea Aliverti

Telemonitoring of home non-invasive ventilation (NIV) patients: Friend or foe

Clara Bianquis (Saint-Prix, France), Kinan El Hussein, Adrien Kerfourn, Emeline Fresnel, Jean-Christian Borel, Antoine Cuvelier, Johan Dupuis, Frédéric Gagnadoux, Jésus Gonzales, Jean-François Muir, Patrick Brian Murphy, Arnaud Prigent, Claudio Anibal Rabec, Wojciech Trzepizur, João Carlos Winck, Maxime Patout

Pixellating ventilation: which signals are required?

Anna Ridgers (Heidelberg, Australia), Warren Ruehland, Liam M Hannan, David J Berlowitz, Mark E Howard

Continuous and bilevel positive airway pressure to reduce breathing amplitudes in patients undergoing radiotherapy

Judith Elshof (Groningen, Netherlands), Corry M. Steenstra, Peter W. Dijkstra, Anne G.H. Niezink, Robin Wijsman, Marieke L. Duiverman

Hypoxic challenge test during treatment with non-invasive ventilation: a surmountable challenge

Alison Armstrong (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Ben Messer

Health related quality of life of two phenotypes of COPD patients under home NIV

Tim Raveling (Groningen, Netherlands), Peter Wijkstra, Marieke Duiverman

Benefits of inspiratory muscle training in Myotonic Dystrophy: a pilot study

Charlotte Seijger (Heerenveen, Netherlands), Marieke Duiverman, Peter Wijkstra

Discussion and Q&A

Blue 1+2 Session 14:15 - 15:30

Oral presentation: Remote monitoring of respiratory patients

Disease(s) : Airway diseases Interstitial lung diseases**Method(s) :** General respiratory patient care Epidemiology Pulmonary function testing**Chairs :** David Drummond (Paris, France), Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom)**Late Breaking Abstract - Exploring technology preferences and reliever inhaler use in adults with asthma – survey results with behavioural segmentation analysis**

Naomi Bennett-Steele (Birmingham, United Kingdom), Andrew Cumella, Anna Francis, Samantha Walker

Late Breaking Abstract - Making therapy behaviour transparent by using an app and a Bluetooth® enabled electronic nebulizer, was found to increase therapy adherence.

David Fiebig (Starnberg, Germany), Philippine Reimpell, Serena Mautone, Andreas Schmitt, Carola Fuchs

Usefulness of NIV telemonitoring versus usual follow-up to reduce hypoventilation (eVENT – eHealth and VENTilation - randomized trial)

Arnaud Prigent (Rennes, France), Joëlle Texereau, Claude Schmitz, Cécile Ropars, Jean-Marc Degreef, Marion Teulier, Christian Darne, Franck Lavergne, Capucine Morelot-Panzini

Remote MONITORing of patients with chronic obstructive pulmonary disease using a tablet system. A randomized crossover study on quality of life measurements

Malte Frerichs (Göteborg, Sweden), Kristina Andelid, Anders Andersson, Monika Crona, Huiqi Li, Lowie E.G.W. Vanfleteren

Virtual ward (VW) in respiratory medicine - a fleeting premise or a sustainable enterprise?

Sivakamasundari Narayani Ampikaipakan (Norwich, United Kingdom), Claire Beard, Katherine Cooper, Rose Cary, Michael Waters, Mark Pasteur

Electronic monitoring with a digital smart spacer to support personalized inhaler use education in patients with asthma: the randomized controlled OUTERSPACE feasibility trial

Boudewijn Dierick (Groningen, Netherlands), Maria Achterbosch, Amber Eikholt, Sandra Been-Buck, Titia Klemmeier, Susanne Van De Hei, Paul Hagedoorn, Huib Kerstjens, Janwillem Kocks, Job Van Boven

Variability in home spirometry is associated with dyspnoea in interstitial lung disease

Iain Stewart (London, United Kingdom), Ankesh Gandhi, Jia Wen, Colin Edwards, Rebecca Borton, Steve Jones, Fasihul Khan, Gisli Jenkins

Clinical validation of real-world walking cadence in patients with COPD

Laura Delgado Ortiz (Barcelona, Spain), Saverio Ranciati, Ane Arbillaga-Etxarri, Eva Balcells, Joren Buekers, Heleen Demeyer, Anja Frei, Elena Gimeno-Santos, Nicholas S. Hopkinson, Corina De Jong, Niklas Karlsson, Luca Palmerini, Michael I. Polkey, Milo A. Puhon, Roberto Rabinovich, Diego Rodriguez Chiaradia, Robert Rodriguez-Roisin, Pere Toran, Ioannis Vogiatzis, Henrik Watz, Thierry Troosters, Judith Garcia-Aymerich

Anticipated barriers and facilitators for implementing smart inhalers in asthma medication adherence management: a qualitative study

Susanne J. van de Hei (Groningen, Netherlands), Nilouq Stoker, Bertine M.J. Flokstra-De Blok, Charlotte C. Poot, Eline Meijer, Maarten J. Postma, Niels H. Chavannes, Janwillem W.H. Kocks, Job F.M. van Boven

Laboratory and free-living gait performance in adults with COPD and healthy controls

Joren Buekers (Barcelona, Spain), Dimitrios Megaritis, Sarah Koch, Lisa Alcock, Clemens Becker, Stefano Bertuletti, Tecla Bonci, Philip Brown, Ellen Buckley, Sara C. Buttery, Brian Caulfield, Andrea Cereatti, Nikolaos Chynkiamis, Heleen Demeyer, Carlos Echevarria, Anja Frei, Clint Hansen, Jeffrey Hausdorff, Nicholas S. Hopkinson, Emily Hume, Walter Maetzler, Encarna M. Micó-Amigo, Luca Palmerini, Francesca Salis, Kirsty Scott, Thierry Troosters, Henrik Watz, Lynn Rochester, Silvia Del Din, Ioannis Vogiatzis, Judith Garcia-Aymerich

Discussion and Q&A

Red 1+2 Session 14:15 - 15:30

Oral presentation: Genetic and biological mechanisms in chronic airway disease**Disease(s) :** Airway diseases**Method(s) :** General respiratory patient care Cell and molecular biology Endoscopy and interventional pulmonology Physiology Pulmonary function testing Epidemiology**Late Breaking Abstract - Dysanapsis Genetic Risk and Chronic Obstructive Pulmonary Disease Mortality**

Leina Kingdom (Montreal, Canada), Catherine Debban, Yohan Bossé, Michael Cho, Qingling Duan, Jamie Engert, Ani Manichaikul, Benjamin M Smith

Genetic screening for cerebellar ataxia with neuropathy and bilateral vestibular areflexia syndrome (CANVAS) in patients with chronic cough. Preliminary analysis

Esther Palones Femenia (Barcelona, Spain), Elena Curto Sánchez, Lidia Gonzalez Quereda, Pia Gallano Petit, Luis Querol Gutiérrez, Federico Bertolotti, Maria Jose Rodriguez Fernandez, Alba Segarra Casas, Astrid Crespo Lessmann

Breath metabolomics to monitor the response to CFTR modulators in adults with cystic fibrosis

Emmanuelle Bardin (Paris, France), Helene Salvator, Camille Roquencourt, Isabelle Sermet-Gaudelus, Dominique Grenet, Philippe Devillier, Stanislas Grassin Delye

Augmentation therapy for severe alpha-1 antitrypsin deficiency improves survival but is decoupled from FEV1 decline

Daniel Fraughen (County Dublin, Ireland), Auyon J Ghosh, Brian D Hobbs, Tobias Meischl, Noriane A Sievi, Karin Schmid-Scherzer, Louise Clarke, Geraldine Kelly, Malcolm Herron, Suzanne Roche, Ronan C Heeney, Lameese Alhaddah, Emma Julia Leacy, Lasya Kanchi, Oliver J McElvaney, Cedric Gunaratnam, Georg-Christian Funk, Christian F Clarenbach, Tomás P Carroll, Noel Gerard McElvaney

Patients with chronic airway disease: Insights from a sputum proteome analysis

Stefanie Graeter (Bern, Switzerland), Luigi Capriotti, Anna Schnell, Moritz Saxenhofer, Samantha Chan, Megan Rees, Jo Douglass, Alastair Steward, Carlos Roca, Ilka Schulze, Alexander Schaub

Serum YKL-40 as a biomarker for predicting loss of lung function and neutrophilic airway inflammation in asthma, COPD and asthma-COPD overlap

Yasuhito Suzuki (Fukushima-City, Japan), Junpei Saito, Mami Rikimaru, Atsuro Fukuhara, Tomoyoshi Lee, Ryuki Yamada, Riko Sato, Takumi Onuma, Hikaru Tomita, Mikako Saito, Natsumi Watanabe, Takaya Kawamata, Ryuichi Togawa, Julia Morimoto, Yuki Sato, Hiroyuki Minemura, Takefumi Nikaïdo, Naoko Fukuhara, Kenya Kanazawa, Yoshinori Tanino, Yoko Shibata

Airway extracellular copper concentrations increase with age and are associated with oxidative stress independent of disease state.

Andreas Frølich (Umeå, Sweden), Rosamund E. Dove, Annelie F. Behndig, Ian S. Mudway, Anders Blomberg

A novel mice model investigating the effect of low-dose PM2.5 exposure on lung health

min feng (Sidney, Australia), Brian Oliver, Hui Chen

Ciliary dyskinesia is not affected by chronic mucus hypersecretion in severe asthma

Céline Kempeneers (Liège, Belgium), Romane Bonhiver, Noémie Bricmont, Maud Pirotte, Sara Engelskirchen, Catherine Moermans, Doriane Calmes, Françoise Guissard, Lionel Benchimol, Marie-Christine Seghayé, Renaud Louis, Florence Schleich

Effect of Mepolizumab on airways remodeling in patients with late-onset severe eosinophilic asthma and fixed obstruction (preliminary data of the MESILICO study)

Kalliopi Domvri (Thessaloniki, Greece), Ioanna Tsiouprou, Petros Bakakos, Nikoleta Rovina, Paschalis Stropoulos, Athanasios Voulgaris, Konstantinos Katsoulis, Maria Kipourou, Paraskevi Katsaounou, Sofia Karachrysafi, Pinelopi Anastasiadou, Theodora Papamitsou, Antonia Sioga, Nikoleta Pasteli, Styliani Papaemmanouil, Angeliki Cheva, Stavros Tryfon, Evangelia Fouka, Despoina Papakosta, Konstantinos Porpodis

Discussion and Q&A**Brown 3****Session****14:15 - 15:30****Oral presentation: Basic mechanisms in pulmonary hypertension**

Disease(s) : Pulmonary vascular diseases Interstitial lung diseases

Method(s) : Epidemiology Cell and molecular biology Imaging

Chairs : Christina Eichstaedt (Heidelberg, Germany), Chair to be confirmed

Late Breaking Abstract - Use of multi-omics to uncover novel druggable targets of SOX17 in PAH

Eleni Vasilaki (London, United Kingdom), Rachel Walters, Yukye Wu, Martin Wilkins, Ines Cebola, Christopher Rhodes

Unpicking the Effects of General Control Non-depressible 2 (GCN2) Deficiency in Pulmonary Veno-Occlusive Disease

Max Schwiening (CAMBRIDGE, United Kingdom), Stephen Moore, Reshma Nibhani, Alexi Crosby, Mark Southwood, Ben Dunmore, Nick Morrell, Stefan Marciniak, Elaine Soon

Empagliflozin attenuates hypoxia-induced pulmonary arterial remodeling via inhibiting NOTCH3 signaling pathway

Celina De Almeida (Taoyuan, Taiwan), Ying-Ju Lai

Proteomic analysis of biomarkers associated with long-term survival in systemic sclerosis-related group 3 pulmonary hypertension in the HYPID study

Valentine Mismetti (Saint Etienne, France), Xavier Delavenne, David Montani, Souad Bezzeghoud, Olivier Delezay, Sophie Hodin, David Launay, Sylvain Marchand-Adam, Hilario Nunes, Edouard Ollier, Jean Pastré, Sébastien Quétant, Martine Reynaud-Gaubert, Julie Traclet, Sabrina Zeghmar, Laurent Bertoletti, Vincent Cottin

An endothelial cell subtype is linked with altered Rho-kinase (ROCK)-associated pathways in PAH

Rui Benfeitas (Stockholm, Sweden), Fabrizio Facchinetti, Mirco Govoni

Quantitative evaluation of pulmonary arteriolar structural changes in pulmonary arterial hypertension

Gitte Aerts (Leuven, Belgium), Lynn Willems*, Astrid Vermaut, Vincent Geudens, Hanne Beeckmans, Joline Michiels, Ruben Celen, Charlotte Hooft, Pieterjan Kerckhof, Janne Kaes, Janne Verhaegen, Yousry Mohamady, Laura Hardy, Jan Van Slambrouck, Birger Tielemans, Birgit Weynand, Aernaut Lutun, Catharina Belge, Tom Verbelen, Geert M. Verleden, Greetje Vande Velde, Laurens J. Ceulemans, Robin Vos, Ghislaine Gayan-Ramirez, Marion Delcroix, Rozenn Quarck, Bart M. Vanaudenaerde, Laurent Godinas

Characteristics and outcomes of patients developing pulmonary hypertension associated with proteasome inhibitors

Julien GRYNBLAT (Paris, France), Charles Khouri, Marie-Camille Chaumais, Laurent Savale, Alex Hlavaty, Xavier Jais, Mithum Kularatne, Gérald Simonneau, Olivier Sitbon, Frederic Perros, Marc Humbert, David Montani

Identification of AURKB as a new actor in vascular remodeling in PAH

Sarah-Eve Lemay (Quebec, Canada), Mélanie Sauvaget, Manon Mougin, Reem El Kabbout, Sandra Martineau, Sandra Breuils-Bonnet, Alice Bourgeois, Mabrouka Salem, Charlie Théberge, François Potus, Steeve Provencher, Olivier Bouché, Sébastien Bonnet

Low Systemic Exposure With Targeted Administration of AER-901 (Inhaled Imatinib): Results of a Phase 1 Clinical Trial

Gary Burgess (Canterbury (Kent), United Kingdom), Dawn Edgerton, Nolan Wood, Michelle Widmann, Joshua Ziel

Neuroinflammation mediates cognitive dysfunction in pulmonary hypertension

Ping Yuan (Shanghai, China), Xiaoyi Hu, Lan Wang, Jinming Liu, Yi Wang, Xiaohuan Xia, Jialin Zheng

Discussion and Q&A**Brown 1+2****Session****14:15 - 15:30****Oral presentation: Nursing role in global respiratory health**

Disease(s) : **Airway diseases** **Interstitial lung diseases**

Method(s) : General respiratory patient care Epidemiology Pulmonary rehabilitation Palliative care Public health

Chairs : José Miguel dos Santos Castro Padilha (Porto, Portugal), Rui Pedro Marques da Silva (Sobreira – Paredes, Portugal)

Late Breaking Abstract - Preferences for asthma decision-making: Focus groups with low-income and racial and ethnic minority adults in safety-net primary care settings

Maureen George (New York, United States), Samrawit Solomon, Amy Mcmenamin, Gordon Zhang, Carolina Lopez, Marija Zeremski, Andrea Cassells, Jonathan N. Tobin, Jean-Marie Bruzzese, Emily Dimango, Alanna E. Kavanaugh, Rachel Shelton

Use of non-invasive ventilation in the palliative care of patients with chronic obstructive pulmonary disease: a scoping review

Simen Alexander Steindal (Oslo, Norway), Mari O Ohnstad, Kristin Heggdal, Marte-Marie Wallander Karlsen, Hanne Aagaard, Kari Sørensen, Vivi L Christensen, Kristin Hofso, Monica E Kvande, Nina M Kynø, Anne Kathrine Langerud, Brith Andresen, Marie H Larsen

The extent and characterization of underdiagnosis and misclassification of COPD in Sweden

Malin Axelsson (Malmö, Sweden), Helena Backman, Bright I. Nwaru, Caroline Stridsman, Lowie Vanfleteren, Linnea Hedman, Päivi Piirilä, Juuso Jalasto, Arnulf Langhammer, Hannu Kankaanranta, Madeleine Rådinger, Linda Ekerljung, Eva Rönmark, Anne Lindberg

Assessing the impact of a dedicated advanced nurse practitioner on a complex ILD service

Lindsay Brown (Blessington (Co. Wicklow), Ireland), Fiona Hickey, Omaina Omar, Emmet Mcgrath, Michael P Keane, Cormac McCarthy

Modifiable factors of uncontrolled asthma – the crucial role of the asthma nurse

Maja Zrnić (Golnik, Slovenia), Mariana Rezelj, Tea Mocnik

Do symptoms of anxiety correlate with lung function (FEV1) or age in patients with COPD? Results from a randomised controlled trial (RCT) of cognitive behavioural therapy (CBT) undertaken by respiratory nurses.

Karen Heslop-Marshall (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Christine Baker, Julia Newton, Carlos Echevarria, Michelle Jambon, Joanne Gray, Kim Pearce, Graham Burns, Anthony De Souza

Effectiveness of a maintenance PR programme: Preliminary results of the Rehab2Life study

Liliana Silva (Matosinhos, Portugal), Tiago Maricoto, Angela Mota, Lara Lemos, Mariana Santos, Inês Azevedo, Patrício Costa, José Miguel Padilha

A standardized language for respiratory nursing care: mixed method research in Spain. Project awarded by SEPAR

Silvia Arranz Alonso (Madrid, Spain), Sonia Parra Cordero

Existing respiratory nursing curriculum, frameworks, and other documentation relevant to respiratory nursing education: A Scoping Review

Bridget Murray (DUBLIN, Ireland), Sheree Smith, Nicola Roberts, Miguel José Padilha, Andreja Šajnić, Georgia Narsavage, Helle Marie Christensen, Malin Axelsson, Hernández Carne, Betty Poot, Carol Kelly

International Coalition of Respiratory Nurses supports global initiative in raising awareness of Asthma and COPD in low- and middle-income countries

Andreja Sajnic (Zagreb, Croatia), Georgia Narsavage, Phyllis Murphie, Carne Hernández, Malin Axelsson, José Miguel Padilha, Mariana Paula Rezelj, Carol Stonham, Karen Heslop-Marshall

Discussion and Q&A**Amber 3+4 Session 14:30 - 16:50****Skills workshop: SW9 Practicalities of spirometry and whole-body plethysmography****Aims :** to help attendees gain the technical expertise needed to perform spirometry and whole-body plethysmography according to both best practice and the latest recommendations that are supported by experts in the field; to explain the measurements of spirometry, static lung volumes, airway resistance and resistance-volume loops via whole-body plethysmography; to discuss the technical aspects of the body box, standardisation of test performance, reporting and case study interpretation.**Disease(s) :** Airway diseases Paediatric respiratory diseases**Method(s) :** Physiology Pulmonary function testing**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Paediatrician, Physician in Pulmonary Training, Physiologist**Chairs :** Karl Sylvester (Cambridge (Cambridgeshire), United Kingdom)**14:30 Introduction****14:30 Performing spirometry**
Matthew Rutter (Cambridge (Cambridgeshire), United Kingdom)**14:30 Standardised static lung volume measurement using whole-body plethysmography**
Frans H.C. De Jongh (Enschede, Netherlands)**14:30 Measurement of airway resistance and resistance-volume loops using whole-body plethysmography**
Mart N. van der Plas (Monster, Netherlands)**14:30 Reporting and interpretation of case studies**
Gregory King (Sydney (NSW), Australia)**Amber 1+2 Session 14:30 - 16:50****Skills workshop: SW6 Interpretation of cardiopulmonary exercise tests****Tips and pitfalls in cardiopulmonary exercise testing assessment****Aims :** to identify typical patterns of responses to cardiopulmonary exercise testing and to demonstrate how to discriminate these from anomalous response profiles, which can cause misinterpretation of test results.**Disease(s) :** Airway diseases Interstitial lung diseases Pulmonary vascular diseases**Method(s) :** Physiology Pulmonary function testing Pulmonary rehabilitation**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Paediatrician, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist**Chairs :** Pierantonio Laveneziana (Paris, France)**14:30 Introduction****14:30 Relationship between oxygen uptake and work rate**
Paolo Palange (Rome, Italy)

14:30 Anaerobic/lactate threshold
William Stringer (Long Beach, United States)

14:30 Ventilatory efficiency
J. Alberto Neder (Kingston (ON), Canada)

14:30 Breathing pattern and dynamic hyperinflation
Michele Schaeffer (Leuven, Belgium)

Coral 1 Session 15:30 - 17:00

Symposium: Addressing disparities and deprivation in the care of children with lung diseases: a world view

Aims : to address disparities and strategies to achieve equity in asthma care globally; to discuss global differences in asthma prevalence, asthma management, access to healthcare and affordability of asthma medications; to define solutions to gaps in asthma care in low-resource settings; to discuss potential social injustice and disparities and strategies to achieve equity in middle- and high-income countries.; to address issues of diagnostics and asthma care in these lower-resourced settings as well as key research priorities that may improve outcomes globally.

Disease(s) : Airway diseases Paediatric respiratory diseases

Method(s) : Epidemiology General respiratory patient care Public health

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Paediatrician, Physician in Pulmonary Training, Journalist

Chairs : Nicole Beydon (Paris, France), Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Dirk Schramm (Düsseldorf, Germany)

15:30 Access to asthma medication across the life-course: what we have learnt from global data
Luis Garcia-Marcos Alvarez (El Palmar (Murcia), Spain)

15:45 Sub-Saharan Africa: impact of deprivation on respiratory infections and lung health outcomes in chronic respiratory diseases
Refiloe Masekela (Pretoria, South Africa)

16:00 Disparities in communities: how do we make the equation more equitable?
Speaker to be confirmed

16:15 Eastern Europe: deprivation in the face of war and access to healthcare
Oleksandr Mazulov (Vinnytsia, Ukraine)

16:30 Discussion and Q&A

Purple Session 15:30 - 17:00

Symposium: Post-viral lung diseases: from basic immunology to clinical phenotypes and therapy Lung Science Conference session

Aims : to present the very best of international lung science research; to highlight new discoveries that will likely impact the future of respiratory medicine; to encourage debate and interaction between basic scientists and clinical researchers on the topic of how respiratory infections cause long-term consequences that give rise to chronic lung diseases such as asthma and pulmonary fibrosis.

Disease(s) : Airway diseases Interstitial lung diseases Respiratory infections

Method(s) : Cell and molecular biology Respiratory intensive care

Tag(s) : Translational

Target audience : Clinical researcher, Medical Student, Physician in Pulmonary Training, Scientist (basic, translational), Journalist

Chairs : Silke Meiners (Sülfeld, Germany), Salman Siddiqui (London, United Kingdom)

15:30 What can we learn from acute virus infections for chronic disease?
Peter Openshaw (London, United Kingdom)

15:45 Long-lasting alterations in lung anti-tumour immunity by viral infections
Lucia Rodriguez Rodriguez (Liege, Belgium)

16:00 Lung regeneration for inherited interstitial pulmonary fibrosis using a novel combinatorial adeno-associated virus gene therapy
Pauline BARDIN (Paris, France)

16:15 Recapitulating morphological and functional characteristics of distal airways in tubular organoids to model post-viral obstructive diseases
Isabelle Dupin (Bordeaux, France)

16:30 Discussion and Q&A

Coral 4+5 Session 15:30 - 17:00

Hot topics: Precision medicine in airways disease: where is the science going and what we can offer in the clinic?

Aims : to update European Respiratory Society members on the role of precision medicine in airway diseases.

Disease(s) : Airway diseases

Method(s) : Epidemiology Physiology

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Patient, Physician in Pulmonary Training

Chairs : Emer Kelly (Dublin 4, Ireland), Apostolos Bossios (Stockholm, Sweden), Omar S. Usmani (London, United Kingdom)

15:30 Early diagnostics in airway disease: will omics and cellular signatures really help our patients?
Sanjay Haresh Chotirmall (Singapore, Singapore)

15:45 Multiple novel classifications of COPD (subtypes, aetiotypes, pre-COPD, early-COPD): are these helpful in offering better care for patients?
Shyamali Dharmage (Carlton Victoria, Australia)

16:00 Non-T2 asthma, the unmet need: molecular phenotyping to identify pathways for patient benefit. Are we getting any closer?
Richard Costello (Dublin 9, Ireland)

16:15 Treatable traits in bronchiectasis: will they help in bedside treatments for our patients?
Clémence Martin (Paris, France)

16:30 Discussion and Q&A

Coral 2 Session 15:30 - 17:00

Hot topics: Digital solutions for respiratory medicine: a new way of working

Aims : to review how adoption of an electronic health records system has created opportunities for respiratory patients to receive better care; to evaluate digital health services for respiratory patients; to discuss the role of big data analytics in respiratory care; to assess artificial intelligence (AI) solutions for imaging, pathology, spirometry, real-time assistance, etc; to discuss the potential drawbacks and advances of using digital technologies during the war in Ukraine.

Disease(s) : Airway diseases Interstitial lung diseases Respiratory infections

Method(s) : Imaging Public health Pulmonary rehabilitation

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Physician in Pulmonary Training, Radiologist, Respiratory physiotherapist, Thoracic oncologist, Thoracic surgeon, Respiratory therapist, Journalist

Chairs : Karen Moor (Rotterdam, Netherlands), Carlos Robalo Cordeiro (Coimbra, Portugal)

15:30 Electronic health records system: an opportunity for respiratory patients to receive better care
Speaker to be confirmed

15:45 Big data and AI: it is not just about imaging
Özçelik Neslihan (Rize, Turkey)

16:00 Digital health services for respiratory patients in Norway
Paolo Zanaboni (Tromsø, Norway)

16:15 Use of digital medicine during wartime: Ukrainian experience
Vitalii Poberezhets (Vinnytsia, Ukraine)

16:30 Discussion and Q&A

15:30-16:15 INDUSTRY SKILLS LAB WORKSHOP SEE PAGE 1

Silver Session 15:30 - 17:00

Clinical trials session: ALERT 3

Chairs : Darren Taichman (Boston, United States)

15:30

15:37

15:44

15:51 Wrap-up by discussant and discussion

16:13

16:20

16:27

16:34 Wrap-up by discussant and discussion

16:56 Closing remarks

Gold Session 15:30 - 17:00

Clinical cases: Lungs on fire: respiratory infections?

Aims : to present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

Disease(s) : Respiratory infections**Tag(s) :** Clinical**Chairs :** Eva Polverino (Barcelona, Spain), Onno Akkerman (Groningen, Netherlands), Graham H. Bothamley (London, United Kingdom)**Discussants :** Daiana Stolz (Freiburg, Germany), James D. Chalmers (Dundee (Angus), United Kingdom)15:30 Case 1 incl. panel discussion and Q&A - Author: T. Ejaz (Pakistan)
Daiana Stolz (Freiburg, Germany)15:52 Case 2 incl. panel discussion and Q&A - Author: H. Liyanage (Sri Lanka)
James D. Chalmers (Dundee (Angus), United Kingdom)16:14 Case 3 incl. panel discussion and Q&A - Author: K. Vijayasaratha (United Kingdom)
Daiana Stolz (Freiburg, Germany)16:36 Case 4 incl. panel discussion and Q&A - Author: R. Saleh (Saudi Arabia)
James D. Chalmers (Dundee (Angus), United Kingdom)

Coral 3 Session 15:30 - 17:00

Clinical cases: Lungs on fire: lung cancer?

Aims : to present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

Disease(s) : Thoracic oncology Airway diseases Interstitial lung diseases**Tag(s) :** Clinical**Chairs :** Marcello Migliore (Riyadh, Saudi Arabia), Andriani Charpidou (Athens, Greece), Joanna Chorostowska-Wynimko (Warsaw, Poland)**Discussants :** Georgia Hardavella (Athens, Greece), Torsten Gerriet Blum (Berlin, Germany)15:30 Case 1 incl. panel discussion and Q&A - Author: A. P. Cunha Craveiro (Portugal)
Georgia Hardavella (Athens, Greece)

15:52 Case 2 incl. panel discussion and Q&A - Author: N. A. Villamagua Arias (Spain)
Torsten Gerriet Blum (Berlin, Germany)

16:14 Case 3 incl. panel discussion and Q&A - Author: A. Sturm (Switzerland)
Georgia Hardavella (Athens, Greece)

16:36 Case 4 incl. panel discussion and Q&A - Author: M. Bordicchia (Italy)
Torsten Gerriet Blum (Berlin, Germany)

Red 1+2 Session 15:45 - 17:00

Symposium: Early career member session

Aims : to bring together all types of respiratory professionals in order to discuss key aspects for career development in respiratory medicine

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Pathologist, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Respiratory therapist

Chairs : Sara Cuevas Ocaña (Nottingham, United Kingdom), Thomas Gille (Bobigny, France)

15:45 Environmental awareness in respiratory medicine: a clinical and scientific view
Lucilla Piccari (Barcelona, Spain)

16:00 Communicate your research: reaching the media, the public and how to use social media
Leticia Kawano-Dourado (Sao Paulo, Brazil)

16:15 How ERS activities can help to shape your career
Niki Ubags (Epalinges, Switzerland)

16:30 Mina Gaga Lecture
Mareike Lehmann (Marburg, Germany)

16:45 Discussion and Q&A

Blue 1+2 Session 15:45 - 17:00

Oral presentation: Challenges and novelties in rare interstitial lung diseases

Disease(s) : [Interstitial lung diseases](#)

Method(s) : Imaging Pulmonary function testing General respiratory patient care Physiology Cell and molecular biology

Chairs : Maria Molina Molina (Barcelona, Spain), Cormac McCarthy (Dublin 4, Ireland)

Late Breaking Abstract - Nintedanib for Lymphangioleiomyomatosis: an open-label phase II study
Sergio Alfonso Harari (Milano (MI), Italy), Davide Elia, Antonella Caminati, Jens Geginat, Francesca Luisi, Giuseppe Pelosi, Claudia Specchia, Olga Torre, Chiara Vasco, Maurizio Zompatori, Roberto Cassandro

Autoimmune Pulmonary Alveolar Proteinosis (aPAP) in Greece: 20 years in progress
Effrosyni D. Manali (Athens, Greece), Spyros A Papiris, Maria Kallieri, Lykourgos Kolilekas, Georgia Papadaki, Emmanouil Verykakis, Georgia Kontonasiou, Andriana I Papaioannou, Demosthenes Bouros, Vasiliki Apollonatos, Elvira-Markela Antonogiannaki, Panagiotis Lyberopoulos, Nikolaos Roussakis, Konstantinos Douros, Andrea Schams, Matthias Giese

Preclinical studies supporting a first-in-human trial of pulmonary macrophage transplantation therapy of CSF2RA-associated PAP
Bruce Trapnell (Cincinnati, United States), Paritha Arumugam, Brenna Carey, Lisa Trump-Durbin, Matthew Wessendarp, Takuji Suzuki, Fnu Spoorthi, Yan Ma, Kenjiro Shima, Jennifer Stock, Claudia Chalk, Kathryn Wikenheiser-Brokamp, Carolyn Lutzko

Exploring the prognosis and pathogenesis of secondary pulmonary alveolar proteinosis
Haruyuki Ishii (Tokyo, Japan), Ryushi Tazawa, Tomohiro Handa, Yoshinori Tanino, Nobutaka Kitamura, Yoshikazu Inoue, Koh Nakata

New diagnostic approaches for lymphangioleiomyomatosis (LAM)
Christoph Lederer (Heidelberg, Germany), Krisztina Guth, Anikó Bohács, Verena Müller, Michael Kreuter

Alveolar fibroblast activation and epithelial injury/repair in pulmonary lymphangioleiomyomatosis (LAM)
Vera Krymskaya (Philadelphia, United States), Kseniya Obratsova, Alexander Mukhitov, Ryan Rue, Akansha Goel, Apoorva Babu, Michael Morley, Edward Morrissey, Susan Lin, Jillian Evans

Phenotypic characterization of interstitial lung disease associated with mutations in SFTPC and ABCA3 in adults
Rémi Diesler (Lyon, France), Marie Legendre, Salim Si-Mohamed, Pierre-Yves Brillet, Lidwine Wemeau, Effrosyni D Manali, Frédéric Gagnadoux, Anne Gondouin, Sandrine Hirschi, Gwenael Lorillon, Martine Reynaud-Gaubert, Vanessa Bironneau, Elodie Blanchard, Arnaud Bourdin, Stéphane Dominique, Aurélien Justet, Julie Macey, Sylvain Marchand-Adam, Hélène Morisse-Pradier, Hilario Nunes, Spyros Papiris, Julie Traclet, Bruno Crestani, Serge Amsellem, Nadia Nathan, Raphaël Borie, Vincent Cottin

Reversal of interstitial lung disease after olipudase alfa enzyme replacement therapy in adults with acid sphingomyelinase deficiency

Francesco Bonella (Düsseldorf, Germany), Melissa Wasserstein, Roberto Giugliani, Robin Lachmann, Imre Noth, Maurizio Scarpa, Wim A Wuyts, Mario Aguiar, Nicole M Armstrong, Andreas Jessel, Monica Kumar, Sara Waters, Kenneth I Berger

Pirfenidone in post-covid19 pulmonary fibrosis (FIBRO-COVID): Phase-II randomized clinical trial (NCT04607928)

Guadalupe Bermudo Peloché (Barcelona, Spain), Belen Del Río, Vanesa Vicens-Zygmunt, Claudia Valenzuela, Rosalia Laporta, Juan Rigual, Karina Portillo, Paloma Millan, Eva Balcells, Diana Badenes, Santiago Bolívar, Jose Antonio Rodriguez-Portal, Laura Tomás, Koral Fernández De Roitegi, Jacobo Sellarés, Diego Castillo, Jaume Bordas, Yasmina Gutierrez-Rodriguez, Paloma Caballero, Javier Alarcon, Christian Tebé, Sebastian Videla, Salud Santos-Perez, Anna Ferrer, Ana Montes-Worboys, Patricio Luburich, María Molina-Molina

Home spirometry in regular care for patients with pulmonary fibrosis

Gizal Nakshbandi (Barendrecht, Netherlands), C.C. Moor, M. Veltkamp, S.F.M. Nijman, M.J. Overbeek, P. Bresser, J.J.M. Geelhoed, R.E. Jonkers, A.D.M. Vorselaars, R. Mostard, M.S. Wijsenbeek

Discussion and Q&A

Yellow 1+2+3 Session 15:45 - 17:00

Oral presentation: Positive airway pressure for sleep-disordered breathing: adherence and outcomes

Disease(s) : Sleep and breathing disorders

Method(s) : General respiratory patient care Physiology Epidemiology Public health Imaging Cell and molecular biology

Chairs : Dries Testelmans (Leuven, Belgium), Carolina Lombardi (Milano (MI), Italy)

Late Breaking Abstract - Cardiovascular morbidity and mortality after positive airway pressure (PAP) discontinuation in obstructive sleep apnea (OSA) patients

AbdelKebir Sabil (Paris, France), Claire Launois, Wojciech Trzepizur, François Goupil, Thierry Pigeanne, Sandrine Launois, Laurene Leclair-Visonneau, Philippe Masson, Acya Bizieux-Thaminy, Dany Jaffuel, Sébastien Bailly, Frédéric Gagnadoux

CPAP Reduces Circulating Vascular Endothelial Growth Factor Levels in Patients with Coronary Artery Disease and Obstructive Sleep Apnoea: The RICCADSA Trial

Yeliz Celik (Istanbul, Turkey), Sanja Jelic, Afrouz Behboudi, Daniel J. Gottlieb, Susan Redline, Yuksel Peker

The effect of CPAP therapy on coronary artery plaque volume in obstructive sleep apnoea: data from a proof-of-concept study

Cliona O'Donnell (Dublin 4, Ireland), Shane Crilly, Anne O'Mahony, Brian O'Riordan, Racheal Gitau, Donal O'Shea, David Murphy, Jonny Dodd, Silke Ryan

Reduction in sympathetic tone in patients with obstructive sleep apnoea: Fixed is more effective than adapted pressure. A randomised, parallel clinical trial.

Renaud Tamié (Grenoble, France), Erika Treptow, Sébastien Bailly, Marie Destors, Sébastien Baillieul, Rita Clin, Maelle Guellerin, Audrey Guerrache, Patrick Levy, Jean Louis Pépin

Effects of peak-airflow triggered adaptive servo-ventilation on nocturnal cardiac arrhythmias in patients with heart failure and sleep apnoea

Michael Arzt (Regensburg, Germany), Christian M. Horvath, Christoph Fisser, John S. Floras, Samuel Sossalla, Stella Wang, George Tomlinson, Fiona Rankin, Clodagh Ryan, T. Douglas Bradley

Impact of CPAP treatment on cardiovascular outcomes: a Catalan nationwide database analysis.

Jordi de Batlle (Lleida, Spain), Esther Gracia-Lavedan, Anna Garcia-Altés, Elisenda Martínez Carbonell, Manuel Sánchez-De-La-Torre, Ferran Barbé

REM Sleep Less Than 30 Minutes Predicts Less CPAP Use in Adults with Coronary Artery Disease and Obstructive Sleep Apnoea

Baran Balcan (Istanbul, Turkey), Patrick J Strollo Jr, Yuksel Peker

Adherence to CPAP treatment is associated with a decrease in the incidence of cardiovascular events: an individual participant data meta-analysis

Manuel Sanchez De La Torre (Lleida, Spain), Esther Gracia-Lavedan, Ivan D. Benitez, Alicia Sánchez-De-La-Torre, Anna Moncusí-Moix, Gerard Torres, Kelly Löffler, Richard Woodman, Robert Adams, Gonzalo Labarca, Jorge Dreyse, Christine Eulenburg, Erik Thunström, Helena Glantz, Yüksel Peker, Craig Anderson, Doug Mcevoy, Ferran Barbé

Clinical and Economic Assessment of a Comprehensive Program to Improve Adherence of Continuous Positive Airway Pressure Treatment in Obstructive Sleep Apnea Patients in Spain: a randomized controlled trial with a Health Economic Model

Sarah Alami (Bagneux, France), David Rudilla, Hélène Pasche, Danielle C Zammit, Pablo Lázaro Y De Mercado, Pedro Landete Rodríguez

Normalized hypercapnia is a strong predictor of survival in patients with home mechanical ventilation (HMV) - the population-based DISCOVERY study

Andreas Palm (Uppsala, Sweden), Ludger Grote, Össur Emilsson, Karin Ersson, Mirjam Ljunggren, Josefín Sundh, Magnus Ekstrom

Discussion and Q&A**Brown 1+2 Session 15:45 - 17:00****Oral presentation: From lung cancer screening to early diagnosis**

Disease(s) : Thoracic oncology

Method(s) : General respiratory patient care Imaging Public health Epidemiology Surgery Pulmonary function testing Cell and molecular biology Endoscopy and interventional pulmonology

Late Breaking Abstract - Endobronchial ultrasound in diagnosing and staging of lung cancer by 22G TBNB versus regular 22G TBNA needles: a randomized clinical trial

Antonio Moretti (Gonzaga, Italy), Tess Kramer, Jolanda C Kuijvenhoven, Jan Von Der Thüsen, Daniëlle Cohen, Artur Szlubowski, Maciej Gnass, Maarten K Ninaber, Bart Hoppe, Rocco Trisolini, Zuzana Sestakova, Jiri Votruba, Daniël A Korevaar, Peter I Bonta, Jouke T Annema

Lung cancer screening by Low-Dose CT scan in France: final results of the DEP'K80 study after three rounds

Olivier Leleu (Abbeville Cedex, France), Nicolas Storme, Damien Basille, Marianne Auquier, Vincent Jounieaux, Sebastien Couraud

Exhaled breath analysis optimizes nodule management in a lung cancer screening program.

Kathleen Zwijzen (Wilrijk, Belgium), Reinier Wener, Eline Janssens, Eline Schillebeeckx, Elly Marcq, Jo Raskin, Jan P. Van Meerbeeck, Annemiek Snoeckx, Annelies Janssens, Kevin Lamote

Growth patterns of screen-detected malignant pulmonary nodules: Accuracy of doubling-time models

Andrew Creamer (Bristol (Avon), United Kingdom), Carolyn Horst, Jennifer Dickson, Sophie Tisi, Helen Hall, Priyam Verghese, Ruth Prendecki, Amyn Bhamani, John McCabe, Jonathan Teague, Anne-Marie Hacker, Laura Farrelly, Kylie Gyertson, Anand Devaraj, Arjun Nair, Allan Hackshaw, Sam Janes

Fluid-specific miRNA-based signatures for lung cancer screening

Giovanna Casagrande (Barretos, Brazil), Rodrigo Chiarantano, Alexia Polo, Ana Carolina Laus, Isabella Tegami, Eduardo Cabral, Angela Filatieri, Rachid Oliveira, Luciane Sussuchi Da Silva, Rui Reis, Leticia Leal

Validation of the Danish Lung Cancer Registry

Anja Gouliaev (Viby J, Denmark), Torben Riis Rasmussen, Niels Lyhne Christensen

Identification of potential biomarkers for diagnosis of lung adenocarcinoma

Giovanna Casagrande (Barretos, Brazil), Isabella Tegami, Luciane Sussuchi Da Silva, Rodrigo Oliveira Cavagna, Maria Fernanda Gonçalves, Flávio Augusto Ferreira Da Silva, Eduardo Caetano Albino Da Silva, Vinicius Duval Da Silva, Pedro De Marchi, Rui Manuel Reis, Letícia Ferro Leal

Determinants of Therapeutic Sensitivity in EGFR-Driven Lung Cancer

Giorgia Foggetti (Milan, Italy), Mariana Do Carmo, Francisco Expósito, Camila Robles-Oteiza, Hongchen Cai, Virginia Guzzeloni, Federica Pedica, Gianluigi Arrigoni, Claudio Doglioni, Alessandra Bulotta, Stefano Cascinu, Giulia Veronesi, Giampiero Negri, Monte M. Winslow, Katerina Politi

Integrating artificial intelligence tool in multidisciplinary tumor board for predicting complications after lung cancer surgery

Luca Bertolaccini (Milan, Italy), Elena Prisciandaro, Gabriele Maffei, Andrea Cara, Giulia Sedda, Lorenzo Spaggiari

The role of crural diaphragm density in respiratory complications after VATS lobectomy: a retrospective analysis

Alice Bellini (Forlì, Italy), Antonio Vizzuso, Sara Sterrantino, Eleonora Antognoni, Angelica Amatulli, Beatrice Siroli, Roland Barbante, Edoardo Raffaeli, Angelo Paolo Ciarrocchi, Sara Piciucchi, Emanuela Giampalma, Franco Stella

Discussion and Q&A

Brown 3

Session

15:45 - 17:00

Oral presentation: Best abstracts in pulmonary rehabilitation and chronic care

Disease(s) : Interstitial lung diseases Airway diseases

Method(s) : Palliative care Physiology Pulmonary function testing Pulmonary rehabilitation Endoscopy and interventional pulmonology

Chairs : Guido Vagheggini (Volterra (PI), Italy), Rachael A. Evans (Leicester (Leicestershire), United Kingdom)

Late Breaking Abstract - The impact and timing of pulmonary rehabilitation in patients undergoing bronchoscopic lung volume reduction with endobronchial valves: a randomized controlled trial in patients with severe emphysema
Rein Posthuma (Maastricht, Netherlands), Marieke C. Van Der Molen, Jorine E. Hartman, Hester Van Der Vaart, Eline Bij De Vaate, Anouk W. Vaes, Bram Van Der Borst, Dirk Van Ranst, Martijn A. Spruit, Lowie E.G.W. Vanfleteren, Dirk-Jan Slebos

Blood-flow restricted cycling maximizes leg muscle effort with less ventilatory work compared to work-matched free-flow exercise: A randomized crossover study
Manuel Kuhn (Zurich, Switzerland), Christian F. Clarenbach, Adrian Kläy, Thomas Radtke, Sarah R. Haile, Noriane A. Sievi, Dario Kohlbrenner

Survival following pulmonary rehabilitation (PR): the effect of achieving the minimal important difference (MID) in walking distance.
Thomas Ward (Leicester, United Kingdom), Neil J Greening, Charlotte E Bolton, Sally J Singh, William D Man, Michael C Steiner, Rachael A Evans

Low-load blood-flow restriction strength training in patients with COPD: a randomised controlled pilot study
Dario Kohlbrenner (Copenhagen, Denmark), Manuel Kuhn, Anastasios Manettas, Céline Aregger, Matthias Peterer, Nicola Greco, Noriane A. Sievi, Christian F. Clarenbach

Muscle mRNA and protein responses to aerobic exercise training (AET) in COPD and health
Lorna Latimer (Rugby (Warwickshire), United Kingdom), Despina Constantin, Linzy Houchen-Wolloff, Bhavesh Popat, Dumitru Constantin-Teodosiu, Charlotte Bolton, Michael Steiner, Paul Greenhaff

Effects of spray cryotherapy on cough receptors and airway microenvironment in a canine model of chronic bronchitis
long liang (Shanghai, China)

Nasal stimulation with L-menthol alleviates multidimensional breathlessness in patients with interstitial lung disease: a randomized controlled trial
Masashi Kanezaki (Kawagoe, Japan), Kunihiko Terada, Satoru Ebihara

Mortality in COPD: Physical capacity of physical activity?
Anouk W. Vaes (Horn, Netherlands), Noriane A. Sievi, Christian F. Clarenbach, Alex J. Van 'T Hul, Martijn A. Spruit

Pulmonary rehabilitation and physical activity: a step in the right direction? A network meta-analysis
James Manfield (Nottingham, United Kingdom), Yousuf A Chaudry, Sally J Singh, Tom Ward, Maxine E Whelan, Mark W Orme

Interventions to increase fat-free mass in COPD: a systematic review and meta-analysis
Alex Jenkins (Nottingham (Nottinghamshire), United Kingdom), Kaveh Gaynor-Sodeifi, Hayley Lewthwaite, Jaycie Triandafilou, Leticia Belo, Mayron Faria De Oliveira, Dennis Jensen

Discussion and Q&A

PS-12 in poster area

Session

16:00 - 17:30

Poster session: The bugs in lung transplantation

Disease(s) : Respiratory critical care Interstitial lung diseases Airway diseases

Method(s) : Pulmonary function testing Transplantation Cell and molecular biology Endoscopy and interventional pulmonology Imaging Respiratory intensive care

Chairs : Vicky Gerovasili (Rickmansworth, United Kingdom)

Microbiological surveillance after lung transplant: focus on fungi
Irene Tomarelli (milano, Italy), Filippo Maraz, Valeria Rossetti, Letizia Corinna Morlacchi, Ilaria Righi, Davide Tosi, Marco Mantero, Mario Nosotti, Francesco Blasi

The pleural microbiome in lung transplant recipients and non-transplant patients

Carlo Mümmeler (München, Germany), Michael Gerckens, Silvia Gschwendtner, Diego Kauffmann-Guerrero, Katrin Milger, Jürgen Behr, Nikolaus Kneidinger

Treatment of fungal infections in lung transplant recipients: is standard dose adjustment of tacrolimus sufficient?

Tanja Zijp (Groningen, Netherlands), Fadia Hadi, Stephan Bakker, Job Van Boven, Tji Gan, Daan Touw

Transmission and persistent SARS-CoV-2 infection in a lung transplant recipient with Molnupiravir-induced hypermutation

Bjoern Frye (Freiburg, Germany), Ina Hettich, Vivien Karl, Lena Jaki, Daiana Stolz, Maike Hofmann, Jonas Fuchs

Lung Transplantation for COVID-19-Related Respiratory Failure: 1-year outcome of 29 patients

Zsófia Kovacs (Wien, Austria), Peter Jaksch, Konrad Hötzenecker, Gabriella Muraközy

Use of Favipiravir as a Broad-Spectrum Virostatic Drug in Lung Transplant Recipients

Andrea Zajacova (Prague, Czech Republic), Eliska Dvorackova, Luis Fernando Casas-Mendez, Ales Bixi, Tereza Kotowski, Jan Havlin, Robert Lischke, Libor Fila, Petr Hubacek

Program cell death 1 (PD1) and program cell death ligand 1 (PDL1) expression in pulmonary aspergillosis with and without SARS-CoV-2 virus infection.

Shiang-Fen Huang (Taipei, Taiwan), Kun-Ta Chou, Yu-Chi Huang, Hao-Chia Lin, Ping-Feng Wu

Plasma virome dynamics after lung transplantation

Victoria Ruiz (Barcelona, Spain), Vicente Pérez-Brocal, Meritxell Boada-Pérez, Berta Saez, Ibai Los-Arcos, Maria Deu, Marta Zapata-Ortega, Judit Sacanell, Alba Santiago, Andrés Moya, Victor Monforte, Cristina Berastegui, Susana Gomez-Olles

The impact of COVID-19 on long term lung function in lung transplant recipients: a single-center retrospective study

Brice Touilloux (Fribourg, Switzerland), Matthaios Papadimitriou-Olivgeris, Cédric Bongard, Nahal Mansouri, Foteini Ioakeim, John-David Aubert, Oriol Manuel, Angela Koutsokera, Alessio Casutt

Late Breaking Abstract - Bedside non-invasive radiation-free lung ventilation/perfusion mapping by electrical impedance tomography in lung transplant recipients

Vittorio Scaravilli (MILAN, Italy), Jacopo Fumagalli, Valentina Cattaneo, Francesco Damarco, Letizia Morlacchi, Giacomo Grasselli

Late Breaking Abstract - Speckle-tracking right ventricle free wall longitudinal strain: a new non-invasive highly sensitive tool for screening right ventricle function of lung transplant candidates

Paolo Meani (Milan, Italy), Vittorio Scaravilli, Silvia Scansani, Letizia Morlacchi, Valeria Rossetti, Marco Vicenzi, Gloria Turconi, Valeria Musso, Amedeo Guzzardella, Mario Nosotti, Francesco Blasi, Giacomo Grasselli

Late Breaking Abstract - High burden of early complications in outcome of lung transplantation for non-cystic fibrosis bronchiectasis

Sixtine Decaux (Paris, France), Antoine Roux, Hervé Mal, Matthieu Glorion, Sandra De Miranda, Edouard Sage, Vincent Bunel, Yves Castier, Arnaud Roussel, Philippe Montravers, Pierre Mordant, Jonathan Messika

Late Breaking Abstract - Diversity of endothelial cells in restrictive allograft syndrome

Lena Maureen Leiber (Hannover, Germany), Hande Yilmaz, Leonard Christian, Jan-Christopher Kamp, Lavinia Neubert, Tobias Welte, Christine Falk, Danny Jonigk, Jens Gottlieb, Jonas Christian Schupp

PS-14 in poster area

Session

16:00 - 17:30

Poster session: Update on respiratory physiotherapy in different perspectives of the field**Disease(s) :** Sleep and breathing disorders Thoracic oncology Airway diseases Interstitial lung diseases Respiratory critical care
Pulmonary vascular diseases**Method(s) :** Pulmonary rehabilitation Epidemiology Public health Pulmonary function testing General respiratory patient care
Surgery Respiratory intensive care Imaging**Chairs :** Agnieszka Lewko (Coventry, United Kingdom), Christian Osadnik (Melbourne, Australia)**Difference in diagnostic accuracy of several respiratory muscle assessments to predict weaning outcomes: sensitivity analyses (SA) of a systematic review and meta-analysis**

Diego Poddighe (Leuven, Belgium), Marine Van Hollebeke, Jan Verbakel, Yasir Qaiser Choudhari, Débora Ribeiro Campos, Greet Hermans, Rik Gosselink, Daniel Langer

Inspiratory effort and activation of extradiaphragmatic inspiratory muscles in a difficult to wean (DTW) patient during different breathing conditions.

Diego Poddighe (Leuven, Belgium), Marine Van Hollebeke, Beatrix Clerckx, Jan Muller, Greet Hermans, Rik Gosselink, Daniel Langer

Investigation of psychometric properties of De-Morton Mobility Index in the intensive care survivors
Büsra Turgut (Izmir, Turkey), Ilknur Naz, Ozlem Edipoglu, Cenk Kıraklı

Tissue oxygen saturation of quadriceps muscle for critically ill patients receiving mechanical ventilation
Shinichi Arizono (Hamamatsu (Shizuoka), Japan), Ryuji Sugiya, Yusuke Nagae, Yuichi Tawara, Masashi Shiraishi, Yuji Higashimoto, Hironori Shigeoka

Investigation of the relationship between respiratory muscle strength and endurance capacity in liver cirrhosis: a pilot study
Bilge Taşkın (Ankara, Turkey), Naciye Vardar-Yağlı, Melda Sağlam, Onur Keskin, Ahmet Bülent Doğrul

Relationship between respiratory muscle strength and functional capacity in patients undergoing oncological abdominal surgery
Fatma Rümeyza Kasap (Ankara, Turkey), Naciye Vardar Yagli, Melda Sağlam, Deniz Inal Ince, Ebru Calik Kutukcu, Derya Karakoc, Erhan Hamaloglu

National observational study of first mobilization after cardiac surgery
Elisabeth Westerdahl (Örebro, Sweden), Johanna Lilliecrona, Monika Fagevik Olsén

Impact of cancer treatment on physical performance in early-stage non-small cell lung cancer
Kirsten Quadflieg (Hasselt, Belgium), Eva Arents, Sarah Haesevoets, Fien Hermans, Maarten Criel, Marc Daenen, David Ruttens, Michiel Thomeer, Martijn A. Spruit, Dieter Stevens, Veerle Surmont, Eric Derom, Heleen Demeyer, Chris Burtin

Symptoms experienced by people with lung, head and neck cancer during an exercise training program delivered as a complementary treatment to usual care
Karina Pozo (Presidente Prudente, Brazil), Matheus Pedroso, Vinicius Cavalheri, Paloma Borges, Thamirys Serafim, Diogo Gonçalves Ribeiro, Enio Rodrigues Maia, Dionei Ramos, Nara Ielo, Isis Grigoletto, Ercy Mara Cipulo Ramos

Objectively measured physical activity and clinical correlates after pulmonary embolism
Stacey Haukeland-Parker (Moss, Norway), Øyvind Jervan, Waleed Ghanima, Martijn A. Spruit, Mazdak Tavoly, Jostein Gleditsch, Hege Hølmo Johannessen

Heart Rate Recovery and Chronotropic Response on Exercise in Colorectal Cancer Survivors
Mehmet Fatih Sanver (Ankara, Turkey), Naciye Vardar Yagli, Melda Sağlam, Ebru Calik Kutukcu, Deniz Inal Ince, Saadettin Kilickap

6MWT and ISWT: Levels of agreement between different in-person and remote testing procedures in lung transplant candidates
Lisa Wickerson (Toronto (ON), Canada), Manoela De Paula Ferreira, Dmitry Rozenberg, Sunita Mathur, Lianne Singer

Patient experience with fully remote inspiratory muscle training device
Martin Dvořáček (Bouzov, Czech Republic), Pavla Horová

Investigation of respiratory muscle strength and pulmonary functions in patients with neuropsychiatric disorder
Furkan Özdemir (Ankara, Turkey), Naciye Vardar Yağlı, Betül Tufanoğlu, Belda Çağlayan

Dyspnea impacts right emotional cerebral blood flow
Kazuhiro Kimpara (hamamatsu, Japan), Shinichi Arizono, Yuichi Tawara, Natsumi Tanaka, Maki Takayama, Daiki Takahashi

Remotely delivered pulmonary rehabilitation assessments - a quality improvement project to tackle long pulmonary rehabilitation waiting list at King's College Hospital
Maria Kouloupoulou (London, United Kingdom), Victoria Meyrick, Michelle Johnson, Charles Reilly, Arun Shuresh Kumar, Peter Cho, Caroline Jolley, Savannah Ramos-Smith

Development of theoretically informed audit and feedback to improve asthma self-management in UK primary care
Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Kirstie McClatchey, Aimee Sheldon, Liz Steed, Jessica Sheringham, David Price, Stephanie Jc Taylor

Asthma in Brazil: an epidemiological analysis from 2008 to 2021
David Halen Araújo Pinheiro (São Paulo, Brazil), João Victor Hermógenes De Souza, Fabiano Francisco De Lima, Alberto Fernando Oliveira Justo, Vitoria Zacarias Cervera, Regina Maria Carvalho-Pinto, Celso R F Carvalho

Respiratory Functions, Respiratory Muscle Strength, and Postural Abnormalities in Patients with Temporomandibular Joint Dysfunction
Seda Saka (Istanbul, Turkey), Musab Deniz, Deniz Tuncer

PS-18 in poster area

Session

16:00 - 17:30

Poster session: New tools for risk assessment in the interstitial lung disease setting

Disease(s) : **Interstitial lung diseases****Method(s) :** General respiratory patient care Imaging Pulmonary function testing Pulmonary rehabilitation Epidemiology Physiology**Chairs :** Diego Castillo Villegas (Barcelona, Spain)**PF-ILD and PPF criteria as predictors for mortality in RA-ILD**

Phuong Phuong Diep (Oslo, Norway), Emily Langballe, Asad Chaudhary, Torhild Garen, Are Martin Holm, Henrik Mangseth, Øyvind Molberg, Anna-Maria Hoffmann-Vold, Michael T Durheim

RA-ILD – new insights into disease burden from an international patient survey

Michael Kreuter (Heidelberg, Germany), Katerina Antoniou, Jeroume Avouac, Elisabeth Bendstrup, Graham Brown(+), Ivan Castellvi, Santos Castañeda, Vincent Cottin, Bruno Crestani, Philippe Dieude, Liam Galvin, Klaus Geissler, Clive Green, Joseph Jacob, Steve Jones, Andreas Krause, Preston Long, Britta Maurer, Erika Mosor, Toby M Maher, Polina Pchelnikova, Jef Van Rompay, Nelleke Tak, Jeska De Vries-Bouwstra, Claudia Valenzuela, Marlies Wijzenbeek, Anna Maria Hoffmann-Vold

Screening for ILD in RA: a survey of 1132 patients with RA

Anna Maria Hoffmann-Vold (Oslo, Norway), Katerina Antoniou, Jerome Avouac, Elisabeth Bendstrup, Graham Brown, Ivan Castellvi, Santos Castañeda, Vincent Cottin, Bruno Crestani, Philippe Dieude, Liam Galvin, Joseph Jacobs, Steve Jones, Andreas Krause, Preston Long, Britta Krause, Erika Mosor, Toby M Maher, Polina Pchelnikova, Nelleke Tak, Jeska De Vries-Bouwstra, Claudia Valenzuela, Marlies Wijzenbeek, Michael Kreuter

Interstitial lung disease in connective tissue disease: data from an Italian Multidisciplinary Unit

Alberto Bracciali (Prato, Italy), Sara Torracchi, Elisabetta Rosi, Matteo Drigo, Rubina Giulia Girolamo, Francesco Bonomi, Federico Lavorini, Serena Guiducci, Sara Tomassetti

Clinical score composite of DLCO, mMRC, and 6-minute walking distance provides prognostic value in patients with fibrotic lung disease: A Prospective observational Study

Pin-Kuei Fu (Taichung, Taiwan), Yu-Wan Liao

Risk factors for SSc-ILD progression using the new PPF guideline and INBUILD PF-ILD criteria

Oliver Distler (Zurich, Switzerland), Anna-Maria Hoffmann-Vold, Liubov Petelyska, Håvard Fretheim, Imon Barua, Mike Becker, Hilde Bjørkekjær, Cathrine Brunborg, Cosmino Bruni, Phuong Phuong Diep, Rucsandra Dobrota, Michael Durheim, Muriel Elhai, Suzana Jordan, Emily Langballe, Øyvind Midtvedt, Carima Mihai, Øyvind Molberg

ILD associated with systemic sclerosis: predisposing factors for progressive fibrosing ILD

Sheila Ramjug (Altrincham, United Kingdom), Christopher Markus, Jennifer Helm, Hayley Fox, Muditha Samaranayaka, Michael Hughes

Real world incidence & prevalence of PF-ILD in a systemic sclerosis cohort

Mahin Ahmad (Heswall, United Kingdom), Rosalind Benson, Theresa Barnes, Madhusudan Paravasthu, Freddy Frost, Veronica Yioe, Lisa Spencer

Factors prognostic of rapid progression of systemic sclerosis-associated interstitial lung disease (SSc-ILD)

Oliver Distler (Zurich, Switzerland), Jérôme Avouac, Anna-Maria Hoffmann-Vold, Vanessa Smith, Gerrit Toenges, Margarida Alves, Masataka Kuwana

The Feasibility of Home Spirometry and Oximetry Monitoring In Patients With Interstitial Lung Disease

Wan Lin Ng (Dublin, Ireland), Anja Schweikert, Rebecca Borton, Donough Howard, Laura Durcan, Killian Hurley

ILD progression varies in subtypes of connective tissue diseases

Phuong Phuong Diep (Oslo, Norway), Emily Langballe, Cosimo Bruni, Håvard Fretheim, Helena Andersson, Silje Reiser, Ragnar Gunnarsson, Øyvind Palm, Torhild Garen, Øyvind Midtvedt, Øyvind Molberg, Trond Mogens Aaløkken, Michael Thomas Durheim, Oliver Distler, Anna-Maria Hoffmann-Vold

Decline in BMI is a predictor of functional progression in pulmonary fibrosis associated with connective tissue disease

Alexandra Nagy (Budapest, Hungary), Bernadett Mák, Veronika Müller

Living with chronic cough: experiences, burden and management in ILD – a qualitative Study

Shirley Quach (Concord, Canada), Renata Mancopes, Dina Brooks, Ana Oliveira

Argentine registry of autoimmune interstitial lung disease: EPIMAR 2 baseline data

Juan Ignacio Enghelmayer (Ciudad Autónoma Buenos Aires, Argentina), Silvia Quadrelli, Norma Naval, Patricia Aruj, Viviana Moyano, Adrian Gaser, Maria Laura Alberti, Santiago Auteri, Soledad Altube, Javier Abdala, Brenda Varela, Maria Otaola, Lilian Caponi, Gabriela Tabaj, Luciana Molinari, Federico Zenon, Eugenia Perticone, Joaquin Maritano, Marcela Usandivaras, Fabian Caro, Matias Castro, Beatriz Gil, Fernando Piumatti, Javier Sebastiani, Diana Lancellotti, Federico Campins, Diego Goffredo, Antonella Gamarra, Gabriela Manonelles, Jorge Garcia Gonzalez, German Arce, Raul Lisanti, Silvia Del Valle Escotorin, Paula Gonzalo, Francisco Paulin, Florencia Vivero

Functional improvement at one year in fibrotic interstitial lung diseases (ILD) – impact of baseline biomarkers and anti-inflammatory therapies

Guangyu Shao (Linz, Austria), Paul Thöne, Bernd Lamprecht, Bernhard Kaiser, David Lang

Malaysian real-world data to describe progressive pulmonary fibrosis (PPF) in a clinical setting

Syazatul Syakirin Sirol Aflah (Kuala Lumpur, Malaysia), Noraishah Sulaiman, Mohd Syahin Shahira Lilah, Ming Yi Khoo, Wooi Leong Leow

The natural history of interstitial pneumonia with autoimmune features compared to connective tissue disease-associated interstitial lung disease – prospective single-centre study preliminary results

Ewa Miadlikowska (Łódź, Poland), Joanna Miłkowska-Dymanowska, Adam Jerzy Białas, Wojciech Jerzy Piotrowski

Late Breaking Abstract - AI-powered decision support helps pulmonologists to diagnose ILD more accurately.

Julie Maes (Leuven, Belgium), Paul Desbordes, Karolien Van Orshoven, Maarten De Vos, Markus Steinwender, Erich Helfenstein, Corina Marginean, Nicolas Henzi, Peter Cerkl, Patrick Heeb, Stephan Keusch, Gianluca Calderari, Paul Boetticher, Bernhard Baumgartner, Daiana Stolz, Marioara Simon, Daniela Gompelmann, Wim Janssens, Marko Topalovic

Late Breaking Abstract - Characterization of high responders in the phase 2a IPF AIR trial of C21 using baseline quantitative CT image analysis

Elliott Bussell (Cambridge, United Kingdom), Rohit Batta, Elin Rosendahl, Muhunthan Thillai, Alessandro Ruggiero, Thomas Bengtsson, Cecilia Ganslandt, Philip Molyneaux, Toby Maher

Late Breaking Abstract - Inhaled pirfenidone (AP01) forced vital capacity (FVC) data from the ATLAS study vs placebo from 3 historical idiopathic pulmonary fibrosis (IPF) randomised controlled trials (RCTs)

Nazia Chaudhuri (Limavady, United Kingdom), Lisa Lancaster, Scott Palmer, Peter George, Felix Woodhead, Lyn Baranowski, Deepthi Nair, Andrey Pavlov, Colin Reisner

PS-19 in poster area

Session

16:00 - 17:30

Poster session: Pulmonary hypertension in lung disease and hypoxia**Disease(s) :** Interstitial lung diseases Pulmonary vascular diseases Airway diseases**Method(s) :** Epidemiology General respiratory patient care Imaging Cell and molecular biology Transplantation Respiratory intensive care Public health**Chairs :** Deimante Hoppenot (Kaunas, Lithuania), Da-Hee Park (Hannover, Germany)**PH-ILD management and unmet need in Europe: a clinician survey**

Luke Howard (London, United Kingdom), Stefano Ghio, Federica Meloni, John Cannon, Hilario Nunes, David Montani, Jose Cifrian-Martinez, Raquel Rojo, Andreas Günther, Gabriela Jeanneret, Miriam Delgado, Amar Talasila, Karl Pehk

The Effect of Subcutaneous Treprostinil on Pulmonary Hypertension Associated with Interstitial Lung Disease

Roela Sadushi-Kolici (Wien, Austria), Inbal Shafran, Helmut Prosch, Nika Skoro-Sajer, Christin Gerges, Irene Lang

Improved survival after treatment with pulmonary vasodilator therapies in patients with sarcoidosis-associated pulmonary hypertension: results from an international registry

Laura Price (London, United Kingdom), Vasilis Kouranos, Robert Baughman, Chloe Bloom, Oksan Shlobin, Steven Nathan, Rohit Gupta, Colm McCabe, Chinthaka Samaranyake, Thomas Mason, Elisabetta Renzoni, Athol Wells, John Wort

Safety and tolerability of inhaled treprostinil with phosphodiesterase-5 inhibitors in patients with pulmonary hypertension due to interstitial lung disease

David Zisman (Weston, United States), Hilary Dubrock, Christopher King, Sheila Weaver, Steven Nathan, Franck Rahaghi, Hyoshin Kim, Youlan Rao, Eric Shen, Aaron Waxman

Artificial Intelligence and Computed Tomography to improve quantification and prognostication of lung disease in precapillary pulmonary hypertension

Krit Dwivedi (Sheffield, United Kingdom), Michael Sharkey, Liam Delany, Samer Alabed, Smitha Rajaram, Catherine Hill, Christopher Johns, Alex Rothman, Roger Thompson, Jim Wild, Robin Condliffe, David Kiely, Andrew Swift

Reduced pulmonary vascular density in severe pulmonary hypertension associated with chronic lung disease

Agustin Roberto Garcia (BARCELONA, Spain), Iván Vollmer Torrubiano, Isabel Blanco, Ruben San José Estepar, Diego Andrés Rodríguez Chiaradia, Clara Martín Ontiyuelo, Manuel López Meseguer, Pietro Nardelli, Fernanda Hernandez Gonzales, Jesus Ribas, Adelaida Bosacoma Armora, Xavier Pomares Amigo, Salud Santos Perez, Maria Molina Molina, Jacobo Sellares Torres, Farbod N Rahaghi, Raul San Jose Estepar, Joan Albert Barberà

Predicting Pulmonary Pharmacokinetics of Inhaled Liposomal Treprostinil (L606) and Treprostinil Solution in Healthy Adult

Pei Kan (Taipei, Taiwan), Ko-Jie Chen

PH-ILD patient characteristics and burden of disease in Europe: a clinician survey

David Montani (Le Kremlin-Bicêtre, France), Stefano Ghio, Federica Meloni, John Cannon, Luke Howard, Hilario Nunes, Jose Cifrian-Martinez, Raquel Rojo, Andreas Günther, Gabriela Jeanneret, Miriam Delgado, Amar Talasila, Karl Pehk

Artificial intelligence to detect pulmonary hypertension in idiopathic pulmonary fibrosis: Study design

Alexandra Arvanitaki (London, United Kingdom), Gerhard Paul Diller, Bhashkar Mukherjee, Alexandra Lawrence, Vasilis Kouranos, Thomas Semple, Wei Li, Natali Chung, Phillip Marino, Surinder Birring, Colm McCabe, Michael Gatzoulis, Laura Price, John Wort

Use of pulmonary vasodilator therapy in anti-synthetase syndrome-associated pulmonary hypertension

Thomas Mason (London, United Kingdom), Chinthaka Samaranayake, Colm McCabe, Kostas Dimopoulos, Vasilis Kouranos, John Wort, Laura Price

Multi-institutional Development and External Validation of Nomograms for the Prediction of Diagnosis and Survival in COPD with Severe Pulmonary Hypertension

Yuqin Chen (Guangzhou, China), Dansha Zhou, Chi Hou, Jian Wang

CircPMS1 promotes proliferation of pulmonary artery smooth muscle cells, pulmonary microvascular endothelial cells, and pericytes under hypoxia

Xiaoyi Hu (Shanghai, China), Shang Wang, Hui Zhao, Yaqin Wei, Yuxia Huang, Rong Jiang, Jinming Liu, Ping Yuan

Pulmonary hypertension in patients with Progressive Fibrosing Interstitial Lung disease(PF-ILD)referred for Lung transplantation:Retrospective study from India.

Manjunath M Negigowda (SECUNDERABAD, India), Vijil Rahulan, Moiz Lalani, Owais Tisekar, Samuel Priyaranjan, Prabhath Dutta, Sonali Arora, Sandeep Attavar

Prediction of survival in patients with pulmonary hypertension associated with interstitial lung disease treated with pulmonary vasodilators

Jun Fukihara (Seto, Japan), Reoto Takei, Hajime Sasano, Yasuhiko Yamano, Toshiaki Matsuda, Kensuke Kataoka, Tomoki Kimura, Yasuhiro Kondoh

Effect of Targeted Pulmonary Arterial Hypertension Therapy on Arterial Oxygenation in Patients With Pulmonary Hypertension Associated With Lung Disease: A Systematic Review and Meta-analysis

Rodrigo Torres Castro (Barcelona, Spain), Isabel Blanco, Lucilla Piccari, Agustin Roberto García, Clara Martin Ontiyuelo, Elena Gimeno Santos, Ana Ramírez, Anna Sardine, Joan Albert Barberà

An open-label, pharmacodynamic trial investigating vascular effects of the angiotensin II type 2 receptor (AT2R) agonist (ATRA) C21

Rohit Batta (Maidenhead, United Kingdom), Cecilia Ganslandt, Erik Rein-Hedin, Folke Sjöberg, Göran Tornling, Thomas Bengtsson, Kamilla Overbeck, Elin Rosendahl, Barbara Bjerring, Johan Raud, Carl-Johan Dalsgaard

Severity of pulmonary hypertension in lung disease: impact of the 2022 guidelines on the REHAR registry population

Diego Agustin Rodriguez Chiaradia (Barcelona, Spain), Lucilla Piccari, Marta Arjona, Virginia Pérez-González, Isabel Blanco, Gregorio Pérez-Peñate, Juan Antonio Domingo, Roberto Del Pozo, Ernest Sala, Raquel López, Xavier Pomares, Amaya Martínez, Cristina Sabater, Alberto García, Agueda Aurteneixe, Leyre Chasco, Salud Santos, Andrés Tenes, Maria Asunción Nieto, Luis Jara-Palomares, Diego Rodríguez

Pulmonary Hypertension International Survey of Health Impacts (PHISH): a global patient questionnaire

Joseph Newman (Cambridge, United Kingdom), Isla Sanderman, Millicent Stone, Gergely Meszaros, Gerald Fischer, Joanna Pepke-Zaba, . Pulmonary Vascular Research Institute: Patient Engagement And Empowerment Working Group

What role does the NLRP3 Inflammasome play in Systemic Sclerosis-Associated Pulmonary Arterial Hypertension (SScPAH)?

Jennifer Rosedale (Bristol, United Kingdom), Sergey Smirnov, Victoria Flower, Raveen Kandan, Kevin Carson, Oliver Watkinson, Daniel Augustine, John Graby, Sarah Skeoch, Gerry Coghlan, Rob Mackenzie Ross, John Pauling, Amanda Mackenzie, Jay Suntharalingam

Correlations between lung injury and peripheral vascular manifestations in patients with systemic sclerosis: a preliminary study

Barbara Ruaro (Trieste, Italy), Paola Confalonieri, Riccardo Pozzan, Stefano Tavano, Chiara Bozzi, Selene Lerda, Marco Confalonieri, Francesco Salton

PS-9 in poster area

Session

16:00 - 17:30

Poster session: Pulmonary function monitoring

Disease(s) : Airway diseases

Method(s) : Physiology Pulmonary function testing Epidemiology Imaging General respiratory patient care

Chairs : Marco Contoli (Ferrara (FE), Italy), Kristian Brat (Brno, Czech Republic)

Comparison of bronchodilator reversibility to spirometry and oscillometry in the ATLANTIS study

Franz Aaron Clemeno (London, United Kingdom), Janwillem Kocks, Leonardo Fabbri, Monica Kraft, Alberto Papi, Klaus Rabe, Maarten Van Den Berge, Dave Singh, Maxim Kots, Christopher Brightling, Salman Siddiqui

Use of the CAPTURE case-finding tool to identify COPD patients who may need treatment

Jinping Zheng (Guangzhou (Guangdong), China), Yun Li, Fuqiang Wen, Qianli Ma, Rongchang Chen, Yongchang Sun, Tiantian Liu, Chenjuan Gu, Shuling Hu, Jie Song, Chris Compton, Nanshan Zhong, Paul Jones

Spinal Muscular Atrophy patients are capable of meeting the ATS/ERS 2019 criteria for spirometry, evaluated by ArtiQ.QC

Benoit Cuyvers (Leuven, Belgium), Paul Desbordes, Ahmed Elmahy, Maarten De Vos, Marko Topalovic

Relationships Between High-Resolution Computed Tomographic Features and Lung Function Trajectory in Patients with Asthma

JONG SOOK PARK (Bucheon, Republic of Korea), Jai Soung Park, Kyung Eun Shin, Choon-Sik Park, Joo-Hee Kim

Preserved ratio impaired spirometry: fewer small airway dysfunction than COPD

Yumi Fujita (Shizuoka, Japan), Toshihiro Shirai, Shuichi Sugiyama, Taisuke Akamatsu, Keita Hirai, Yasuhiro Gon

Lung volumes by CT and plethysmography: are we measuring the same? Data from the CanCOLD study

Tobias Lorenz Mraz (Wien, Austria), Miranda Kirby, Robab Breyer-Kohansal, Emiel F M Wouters, Wan Tan

Phenotyping asthma with airflow obstruction in middle-aged and older adults: a CADSET Clinical Research Collaboration

Xander Bertels (Gent, Belgium), Ahmed Edris, Judith Garcia-Aymerich, Rosa Faner, Howraman Meteran, Torben Sigsgaard, Peter Alter, Claus Vogelmeier, Nùria Olvera, Nazanin Zounemat-Kermani, Alvar Agustí, Gavin Donaldson, Jadwiga Wedzicha, Guy Brusselle, Helena Backman, Eva Rönmark, Anne Lindberg, Judith Vonk, Kian Fan Chung, Ian Adcock, Maarten Van Den Berge, Lies Lahousse

Small Airway Dysfunction (SAD) in older patients: analysing lung function data from the SAFFRON study

Max Thomas (Birmingham, United Kingdom), Alison Mansfield, Michael Armitage, Ketan Patel, Aditya Krishnan, Emily Ho, Marie Kershaw, Priya Chukowry, Alice Turner

Revisiting Hutchinson's paradigm: PRISM or vital capacity?

Caspar Schiffers (Vienna, Austria), Emiel Wouters, Tobias Mraz, Marie-Kathrin Breyer, Otto Burghuber, Sylvia Hartl, Robab Breyer-Kohansal

The comparison of new and old European Respiratory Society/American Thoracic Society criteria for airway responsiveness in patients with asthma

Nina Trepčić (Novi Sad, Republic of Serbia), Marko Nemet, Ivan Kopitović, Marija Vukoja

Bayesian modelling of combined FEV1 and FVC vital lung function trajectories: relationship with airflow obstruction and PRISM

Nùria Olvera Ocaña (Barcelona, Spain), Àlvar Agustí, James Ross, Rosa Faner

Detection of Small Airway Disease with Oscillometry in Asthmatics

Christoph Valach (Vienna, Austria), Chiara Veneroni, Emiel Wouters, Pasquale Pio Pompilio, Alessandro Gobbi, Raffaele Dellaca, Owat Sunanta, Sylvia Hartl, Marie-Kathrin Breyer, Caspar Schiffers, Charles G. Irvin, Robab Breyer-Kohansal

Association of a polygenic risk score for chronic obstructive pulmonary disease with lung function across the lifespan

Natalia Hernandez-Pacheco (Stockholm, Sweden), Anna Kilanowski, Ashish Kumar, John A Curtin, Nùria Olvera, Sara Kress, Xanders Bertels, Lies Lahousse, Laxmi Bhatta, Raquel Granell, Sergi Mari, Jose R Bilbao, Yidan Sun, Tarik Karamass, Simon Kebede Merid, Gang Wang, Jenny Hallberg, Maribel Casas, Judith Garcia-Aymerich, Mariona Bustamante, Göran Pershagen, Antonios Georgelis, Lesley Lowe, Angela Simpson, Ulrike Gehring, Roel Ch Vermeulen, Torben Sigsgaard, Vivi Schlünssen, Graham Roberts, Anna Bergström, Judith M Vonk, Janine Felix, Liesbeth Duijts, Nic Timpson, Guy Brusselle, Ben Brumpton, Arnulf Langhammer, Stephen Turner, John W Holloway, Syed Hasan Arshad, Adnan Custovic, Paul Cullinan, Clare S Murray, Maarten Van Den Berge, Inger Kull, Tamara Schikowski, Jadwiga A Wedzicha, Gerard Koppelman, Rosa Faner, Alvar Agustí, Marie Standl, Erik Melén, O N Behalf Of The Ers Cadset Clinical Research Collaboration

Patient attitudes towards digital peak flow monitoring in asthma

Sachin Ananth (London, United Kingdom), Serena Alpi, Thomas Antalfy

Relationship between impulse oscillometry and spirometry parameters in adults with pulmonary obstructive diseases

Marta Martin Lana (Zaragoza, Spain), Beatriz Herrero Cortina, Guillermo Samuel Loscertales Vacas, Ana Garcia Esteban, Xunxiao Lin, Lucia Elosua Prats, Patricia Iñiguez De Heredia Monforte, Jorge Luis Hurtado Ortega, Elena Borobia Irache, Ana Cristina Aguelo Velilla

Diversity of functional impairments in patients with asthma, COPD, ACO, and cystic fibrosis (CF) assessed by whole-body plethysmography and spirometry

Richard Kraemer, Florenty Baty, Hans-Jürgen Smith, Stefan Minder, Sabina Gallati, Martin H. Brutsche, Heinrich Matthys

How many lung function interpretations can an expert make in one hour based on the 2021 ERS/ATS standards?
Julie Maes (Leuven, Belgium), Paul Desbordes, Nadia Stachowicz, Janine Kaspers, Rami Arfoosh, Matthew Hegewald, Maarten De Vos, Marko Topalovic

Comparison of spirometry and both spectral and intra-breath oscillometry for the prediction COPD symptoms
Paolo Medina-Iglesias (Montreal, Canada), Hugo Morin, Carol Artico, Zoltan Hantos, Ronald Dandurand

Correlation and concordance of arterial oxygen saturation measured by arterial blood gases and pulse oximetry according to anatomical location
Cristhian Correa (Madrid, Spain), Virginia Gallo González, Rosa María Rojas Moreno-Tomé, María Del Carmen Suárez Rubio, Rafael Pesquera Criado, Daniel López Padilla, Paola Antonella Benedetti, José Javier García López, Luis Puente Maestu

Sharing recruitment sites with a precision-medicine based study
Anel Mahmutovic (Mölnådal, Sweden), Andrew Harper, Guillaume Desachy, John Tillinghast, Jason Cooper

PS-2 in poster area Session 16:00 - 17:30

Poster session: COVID-19, infectious and interstitial pulmonary diseases from a primary care perspective

Disease(s) : Interstitial lung diseases Airway diseases Respiratory critical care Pulmonary vascular diseases Thoracic oncology Sleep and breathing disorders

Method(s) : Epidemiology General respiratory patient care Imaging Physiology Pulmonary function testing Public health Respiratory intensive care Pulmonary rehabilitation

Chairs : Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom)

RELATIONSHIP BETWEEN EARLY MENARCHE AND RESPIRATORY MUSCLE PRESSURES IN MIDDLE AGE AND OLDER WOMEN
Ingrid Guerra Azevedo (São paulo, Brazil), Maria Do Socorro Luna Cruz, Saionara Maria Aires Da Câmara, Álvaro Campos Cavalcanti Maciel, Elizabel De S. Ramalho Viana

RELATIONSHIP BETWEEN MATERNAL AGE OF FIRST BIRTH AND RESPIRATORY MUSCLE PRESSURES IN MIDDLE AGE AND OLDER WOMEN
Ingrid Guerra Azevedo (São paulo, Brazil), Saionara Maria Aires Aires Da Câmara, Maria Do Socorro Luna Cruz, Mayra Quintana Villarroel, Álvaro Campos Cavalcanti Maciel, Elizabel De S. Ramalho Viana

AI models for respiratory diseases from spirometry alone: validation based on UK Biobank
Julie Maes (Leuven, Belgium), Ahmed Elmahy, Paul Desbordes, Maarten De Vos, Marko Topalovic

Prevalence of interstitial lung disease (ILD) in symptomatic individuals with normal spirometry in primary care
Suhani Patel (London, United Kingdom), Anthony Sunjaya, Ethaar El-Emir, Jennifer Harvey, Elizabeth Fleming, Ingram Karen, George Edwards, Timothy Jenkins, Gillian Doe, Samantha Kon, Karl Sylvester, Toby Maher, Philip Molyneaux, William Man

Service evaluation of a pilot healthcare scientist led OSA clinic in primary care
Rhodri Curtis (Cardiff, United Kingdom), Joleta Hooper-Lee, Alex Perkins

Novel screening protocol for early detection of lung involvement in sero- and ACPA-positive rheumatoid arthritis
Frank Reichenberger (Munich, Germany), Martin Welcker, Martin Hoffmann, Werner Von Wulffen, Florian Popp

BETA-LACTAMASE ACTIVITY IS A BIOMARKER FOR THE PREDICTION OF THE EFFICACY OF ANTIMICROBIAL THERAPY.
Farkhod Mukhsinov (Tashkent, Uzbekistan), Irina Liverko

Pulmonary embolism during tuberculosis: clinical features and outcomes
Tarak Cherif (Ariana, Tunisia), Amani Ben Mansour, Azza Slim, Hafaoua Daghfous, Soumaya Ben Saad, Fatma Tritar

COVID-19 pandemic: challenges, facts and risks of antibiotic resistance
Irina Liverko (Tashkent, Uzbekistan), Feruza Niyazova

Post-COVID consultation at Winterthur Cantonal Hospital - follow-up over six months
Markus Hofer (Zürich, Switzerland), Swantje Beyer, Sarah Egli, Anne-Kathrin Rauh, Juergen Hetzel, Irina Nast, Markus Wirz

Impact of post-covid-19 condition on health and activities of daily living: a population-based cohort study
Maarten Van Herck (Diepenbeek, Belgium), Demi M E Pagen, Céline J A Van Bilsen, Stephanie Brinkhues, Kevin Konings, Casper D J Den Heijer, Suhreta Mujakovic, Henriëtte L G Ter Waarbeek, Chris Burtin, Daisy J A Jansen, Christian J P A Hoebe, Martijn A Spruit, Nicole H T M Dukers-Muijers

Prediction of the development of traction bronchiectasis and parenchymal bands in patients discharged after treatment for COVID-19

Rebecca Saray Marchesini Stival (Rio Grande (RS), Brazil), Ariele Haagsma, Rafaella Bernardelli, Bruno Pedrazzani, Karin Storrer, Nayanne Oliveira, Luisa Abbott, Maria Leticia Tebet, Maria Fernanda Vieira, Cristina Baena

Long Covid (LC) is still unrecognized in Greece. A barrier to adequate treatment.

Paraskevi Katsaounou (Athens, Greece), Martha-Spyridoula Katsarou, Archontoula Antonoglou, Antonis Kontaxakis, Ioanna Kotsamidi, Vassiliki Vakouftsi, Maria Saroglou, Helen Iasonidou

Patient care in the last days of life – Prescription patterns in a Pneumology Ward

Pedro Viegas (Vila Nova de Gaia, Portugal), Leonor Roseta, Eloisa Silva, Ana Cristina Ferreira, Teresa Shiang, Manuela Vanzeller, Carla Ribeiro

Symptom management in the last days of life in a Respiratory Ward

Pedro Viegas (Vila Nova de Gaia, Portugal), Leonor Roseta, Eloisa Silva, Ana Cristina Ferreira, Teresa Shiang, Manuela Vanzeller, Carla Ribeiro

Possible changes in diagnoses before and during Covid-19 with focus on the respiratory tract

Pia Lindberg (Tyresö, Sweden), Seika Lee, Gunnar Ljunggren, Åsa Wheelock, Axel Carlsson

Development of patient resources for chronic breathlessness: Needs analysis

Anthony Paulo Sunjaya (Sydney, Australia), Allison Martin, Clare Arnott, Guy Marks, Christine Jenkins

Predictors of successful separation from high flow nasal cannula oxygen therapy in severe COVID-19 patients admitted in a tertiary hospital in Bacolod City, Philippines

Rencel Beljera (Bacolod City, Philippines), Rock Jr. Camiña, Paolo Hilado

The association of SpO₂/FiO₂ (SF) ratio with the chest CT severity score (CTSS) in adult COVID-19 patients admitted in a tertiary hospital in Manila, Philippines.

PAOLO HILADO (PAVIA, Philippines), Jennylyn Go

PS-15 in poster area

Session

16:00 - 17:30

Poster session: COVID-19 diagnostics and pathogenesis

Disease(s) : Airway diseases Interstitial lung diseases Respiratory critical care

Method(s) : Epidemiology Public health General respiratory patient care Imaging Pulmonary function testing Cell and molecular biology Respiratory intensive care

Chairs : Mattia Nigro (Opera (MI), Italy), Dumitru Chesov (Chisinau, Republic of Moldova)

Breath of Health: Spectroscopy Breath Test for the Detection of SARS-CoV-2

Dan Padawer (Jerusalem, Israel), Mutaz Karamah, Abed Qadan, Aria Laor, Zvi G Fridlender

Role of Artificial-Intelligence Powered Digital-Health in Reducing Strain on Health-Care-System: First of Its Kind experience in COVID19-Pandemic.

Aman Ahuja (Vellore, India), Pawan Singh, Dhruva Chaudhry

PCR PERFORMANCE FOR SARS-CoV-2 PRIOR TO RESPIRATORY FUNCTIONAL TESTS AND THE RELATIONSHIP WITH CONTAGION RATES.

Maria Zuñil Moreno (Lleida, Spain), Faty B.A. Seck-Mboup, Sally Santistevé, Maria Aguilà, Mar Malla-Bañeres, Iván D. Benítez, Rosa Sarrat, Adriana Sabaté, Adriana Fulga, Clara Gort-Paniello, Ferrán Barbé, Jessica González

Effect of a Functional Phospholipid Metabolome-Protein Association Pathway on the Mechanism of COVID-19 Disease Progression

Baoqing Sun (Guangzhou (Guangdong), China), Mingshan Xue, Teng Zhang, Zhangkai J Cheng, Baojun Guo, Yifeng Zeng, Runpei Lin, Peiyan Zheng, Mingtao Liu, Qi Zhao, Xiaoping Tang

Single-cell RNA sequencing of bronchoalveolar lavage fluid reveals potential increase in antigen presentation pathways and cellular immunity in airways of pulmonary long COVID

Elizabeth Guinto (Vancouver, Canada), Firoozeh V. Gerayeli, Stephen Milne, Rachel L. Eddy, Tara Stach, Chen Xi Yang, Xuan Li, Chung Yan Cheung, Julia Shun-Wei Yang, Janice M. Leung, Don D. Sin

NEBULIZATION AND COVID-19: THE RISK OF SPREAD DURING A NEBULIZATION SESSION IS ACTUAL

Christophe Thibon (Bruxelles, Belgium), Laurent Vecellio, Leila Belkhir, Jean-Christophe Dubus, Annie Robert, Benoit Kabamba, Grégory Reyckler

Omicron BA.5 - 5 days of isolation during hospital admission, is it enough?

Ana Rita Ribeiro (Ansião, Portugal), Catia Saraiva, Marta Domingos, Daniela Louro, Domitília Faria

Risk factors for COVID-19: A test-negative case-control study

Marjut Sarjomaa (Skien, Norway), Randi Eikeland, Chi Zhang, Yngvar Tveten, Harald Reiso, Carina Thilesen, Svein Arne Nordbø, Kristine Karlsrud Berg, Ingeborg Aase S. Aaberge, Johny Kongerud, Neil Pearce, Hege Kersten, Jan P. Vandenbroucke, Anne Kristin Møller Fell

Symptomatic prolonged viral shedding in long COVID - Our experience with remdesivir

Leng Cheng Sia (Kuala Lumpur, Malaysia), Yong-Kek Pang, Chee Kuan Wong, Chun Ian Soo, Nur Husna Ibrahim, Vijayan Munusamy, Thian Chee Loh, Ka Kiat Chin, Mau Ern Poh, Jiunn Liang Tan, Chong-Kin Liam

Incidence of viral respiratory infections, excluding SARS-CoV-2, during COVID-19

Soud Fatima zahra (Alger, Algeria), Zerouki Ali, Benarfa Noumaira, Tareb Djouher, Chaabani Madjid, Bensersa Doria, Aggoune Nadjet, Nemra Abdelkader, Nebih Mounir, Sebahi Hamza

Bacterial co-infection, secondary bacterial infection and patterns of antibiotic use in adult patients with COVID-19 pneumonia admitted at the Manila Doctors Hospital, Philippines

Jan Michael Lo (Dasmariñas City, Philippines), Jener De Castro, Jennifer Sison-San Luis

Post COVID-19 HRCT features related to inpatient ward therapy history: A preliminary study

Laharsa Madison (Jakarta, Indonesia), Dianati Kusumo Sutoyo, Fanny Fachrucha, Aziza Ghanie Icksan

Clinical epidemiological study of hospitalized patients with severe COVID-19 – current data

Elena Borissova (Pleven, Bulgaria), Snejanka Ivankovska, Plamen Pavlov, Pavlina Glogovska

Healthcare associated infections on a respiratory ward in Athens during the Covid-19 pandemic

Iris-Theodora Vlachantoni (Athens, Greece), Romina Chatzipetrou, Anastasia Levounets, Eirini Skontzou, Andrea Kyriacou, Lamprini Vlassi, Chrysa Kontogianni, Konstantinos Samitas, Zafeiris Sardelis, Evangelos Markozannes, Theoplasti Grigoratou, Eleftherios Zervas, Lykourgos Kolilekas

Validity and reliability evidence of Fear of COVID-19 Scale in Greek people with Chronic Obstructive Pulmonary Disease.

Andreas Daskalakis (N. Smyrni - Athens, Greece), Stavroula Giannoulaki, Irini Patsaki, Maria Moutzouri, George Koumantakis, Aikaterini Haniotou, Afroditi Evangelodimou, Irini Grammatopoulou

Lung ultrasonography in post-COVID-19 follow-up in correlation with chest computed tomography.

Katarzyna Zimna (Warszawa, Poland), Małgorzata Sobiecka, Dorota Wyrostkiewicz, Monika Szturmowicz, Witold Tomkowski

Late Breaking Abstract - Change in post-COVID-19 long term symptoms after use of intranasal chlorpheniramine during the acute phase: Inquiry after two randomized controlled trials

Franck Rahaghi (Weston, United States), Estela Pineda, Mari Tesch, Farbod Rahaghi, Fernando Valerio-Pascua

Late Breaking Abstract - Association with changes in pulmonary artery diameters and outcomes before, during and after COVID-19 hospitalization: Retrospective Study

Aybuke Selcuk (Beylikdüzü, Turkey), Derya Kocakaya, Şehnaz Olgun Yildizeli, Sait Karakurt

Late Breaking Abstract - Increased SARS-CoV-2 infection in asthmatic primary bronchial epithelial cells defined with single cell RNA-sequencing

Matt Johansen (Miranda (NSW), Australia), Sobia Idrees, Fia Boedijono, Stefan Miemczyk, Duc Nguyen, Kristy Nichol, Peter Wark, Alen Faiz, Philip Hansbro

Late Breaking Abstract - Host response changes and phenotypes in lymphopenic COVID-19 patients and their association with mortality

Erik Michels (Amsterdam, Netherlands), Brent Appelman, Justin De Brabander, Rombout Van Amstel, Christine Van Linge, Osoul Chouchane, Tom Reijnders, Alex Schuurman, Titia Sulzer, Augustijn Klarenbeek, Renée Douma, Lieuwe Bos, W. Joost Wiersinga, Hessel Peters-Sengers, Tom Van Der Poll

PS-11 in poster area

Session

16:00 - 17:30

Poster session: Occupational upper and lower airway diseases

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#)

Method(s) : Epidemiology Public health Pulmonary function testing Cell and molecular biology General respiratory patient care Imaging

Chairs : Sara De Matteis (Cagliari, Italy), Orianne Dumas (Villejuif, France)

Disease-specific mortality related to occupational exposure in Helsinki, Finland

Juuso Jalasto (Helsinki, Finland), Ritva Luukkonen, Ari Lindqvist, Arnulf Langhammer, Hannu Kankaanranta, Helena Backman, Eva Rönmark, Anssi Sovijärvi, Päivi Piirilä, Paula Kauppi

Global burden and trends of mortality and disability-adjusted life years for malignant and chronic respiratory disease attributable to occupational exposures, from 1990 to 2019: results from the Global Burden of Disease study 2019

wigdan farah (Rochester, United States), Oluwateniayo Ogunsan, Zhen Wang, Yewande Odeyemi

Mortality associated with occupational exposures among people with small airways obstruction

Valentina Quintero Santofimio (London, United Kingdom), Cosetta Minelli, James Potts, Roel Vermeulen, Hans Kromhout, Ben Knox-Brown, Johanna Feary, Andre F.S. Amaral

Household use of cleaning products and asthma control

Emilie PACHECO DA SILVA (Villejuif, France), Raphaëlle Varraso, Anne-Marine Lenzotti, Léopold Fezeu, Guillaume Sit, Pilar Galan, Serge Hercberg, Mathilde Touvier, Christophe Paris, Orianne Dumas, Nicole Le Moual

Household use of irritants and sprayed cleaning products and asthma endotypes

Emilie PACHECO DA SILVA (Villejuif, France), Rachel Nadif, Eddy Dohoukpe, Laurent Orsi, Joane Quentin, Raphaëlle Varraso, Valérie Siroux, Orianne Dumas, Nicole Le Moual

The association of current asthma and exacerbation of asthma with using cleaning, disinfecting, and medical products in healthcare

Paul K. Henneberger (Morgantown, United States), Steven M. Rollins, Michael J. Humann, Xiaoming Liang, Feng-Chiao Su, Mohammed A. Virji

Assessment of small airways by impulse oscillometry in hospital cleaning staff

Bilun Gemicioglu (Istanbul, Turkey), Betül Gültekin, Nejdiye Güngördü, Ilgım Vardaloglu, Kevser Sak

Long-term clinical outcome of irritant-induced asthma

Hille Suojalehto (Helsinki, Finland), Jussi Lantto, Irmeli Lindtröm

Occupational exposures to irritants and asthma in the CONSTANCES Cohort

Orianne Dumas (Villejuif, France), Guillaume Sit, Laurent Orsi, Yuriko Iwatsubo, Brigitte Dananché, Florence Orsi, Marcel Goldberg, Bénédicte Leynaert, Rachel Nadif, Céline Ribet, Nicolas Roche, Yves Roquelaure, Raphaëlle Varraso, Marie Zins, Corinne Pilorget, Nicole Le Moual

Zintec coated steel, a cause of occupational asthma in welders

Vicky Moore (Birmingham (West Midlands), United Kingdom), Gareth Walters, Alastair Robertson, Sherwood Burge

Thymic stromal lymphopoietin contributes to ozone-induced pulmonary responses in mice

Hiroki Tashiro (Saga, Japan), Yuki Kurihara, Koichiro Takahashi, Yoshie Konomi, Shinya Kimura, Sueoka-Aragane Naoko

Asthma control in severe asthma and occupational exposures to inhaled asthmagens

Gareth Walters (Birmingham (West Midlands), United Kingdom), Christopher Reilly, Nicole Le Moual, Christopher Huntley, Hanan Hussein, Thirumala Krishna, Adel Mansur

Occupational exposures and asthma control among adults from Northern Finland

Maritta S. Jaakkola (Oulu, Finland), Penpatra Sribaiboonkij, Henna Hyrkäs-Palmu, Jouni J.K. Jaakkola

Respiratory health among operators working in polymer additive manufacturing

Anna-Carin Olin (Göteborg, Sweden), Ann-Charlotte Almstrand, Anna Bredberg, Gunilla Runström, Helen Karlsson, Maria Assenhøj, Hatice Koca Akdeve, Håkan Tinnerberg

Long-term indoor shooting exposure of special police forces induces bronchitic reactions – the Berlin Shooting Range Study

Christian Witt (Berlin, Germany), Rudolf Tauber, Dennis Nowak, Andrew Coats, Uta Liebers

A cluster randomised controlled trial to reduce respiratory effects of cotton dust exposure among textile workers – the MultiTex RCT study

Asaad Ahmed Nafees (Karachi, Pakistan), Muhammad Masood Kadir, James Potts, Cosetta Minelli, Sean Semple, Sara De Matteis, Peter Burney, Paul Cullinan

COPD in a sample of working population

Jordan Minov (Skopje, North Macedonia), Sasho Stoleski, Dragan Mijakoski, Aneta Atanasovska, Dragana Bislimovska

Occupational COPD; ten years' experience from a UK occupational lung disease reporting scheme

Ruth Wiggans (Manchester (Greater Manchester), United Kingdom), David Fishwick, Loren Zelic, Rheanna Pereira, Laura Byrne, Melanie Carder, Martie Van Tongeren

Correlation between reduced lung attenuation in quantitative CT imaging and lung function trajectory in World Trade Center (WTC) disaster responders

Jonathan Weber (Roslyn, United States), Raúl San José Estépar, John Doucette, Juan Celedón, Rafael E. de la Hoz

Evaluation of Voice Quality in Pulmonary Function Tests Laboratory Technicians
Gökçen Ömeroğlu Şimşek (İzmir, Turkey), Melike Yüksel Yavuz, Nejdiye Güngördü

PS-5 in poster area **Session** **16:00 - 17:30**

Poster session: From basic to translational sleep breathing disorders

Disease(s) : Sleep and breathing disorders Airway diseases

Method(s) : General respiratory patient care Imaging Public health Cell and molecular biology Physiology Epidemiology Pulmonary function testing

Intermittent hypoxia mediates cancer development and progression through HIF-1 and miRNA regulation
GIORGIA MORIONDO (Barletta, Italy), Piera Soccio, Mélanie Minoves, Giulia Scioscia, Maria Pia Foschino Barbaro, Jean-Louis Pépin, Anne Briançon-Marjollet, Donato Lacedonia

Sleep apnoea indices associated with markers of inflammation and cardiovascular disease -A proteomic study in the MUSTACHE-cohort
Mirjam Elisa Ljunggren (Uppsala, Sweden), Xingwu Zhou, Jenny Theorell-Haglöw, Christer Jansson, Karl Franklin, Össur Emilsson, Eva Lindberg

Association of obstructive sleep apnea hypopnea syndrome with brain iron deposition
Sotirios Zarogiannis (Larisa, Greece), Dimitrios Raptis, Ioannis Lampropoulos, Olga Sinani, Dimitra Siachpazidou, Lamprini Pouliou, Georgia Rapti, Chrysoula Marogianni, Eftychia Kapsalaki, Chaido Pastaka, Foteini Malli, Konstantinos Gourgoulis, Georgia Xiromerisiou

Intermittent hypoxia can induce apoptosis of macrophage
Yina Wang (Changsha (Hunan), China), Xiao Xiao, Silei Deng, Jingjie Kuang, Yuanguo Chen, Yayong Li

Intermittent hypoxia up regulates mTOR expression in hepatic macrophages through CX3CL1/CX3CR1
Yina Wang (Changsha (Hunan), China), Silei Deng, Xiao Xiao, Yuanguo Chen, Yayong Li

Tracking of respiratory effort during hypopneas in sleep apnea patients by analysis of energy ratio of breathing sounds using PneaVoX sensor
Martin Glos (Berlin, Germany), Songül Karaca, Jade Vanbuis, Margaux Blanchard, Paria Pourriahi, Meghna Jha, Ingo Fietze, Thomas Penzel

Double-layer electrical impedance tomography can identify upper airway obstruction sites during sleep
Sang-Wook Kim (Jinju, Republic of Korea), Tingting Zhang, Hyoje An, Jinwon Mok, Oh In Kwon, Munbae Lee, Tong In Oh

Experience with the mandibular advancement device (MAD) in the sleep-disordered breathing clinic.
Pablo Giménez Ruiz (Valencia, Spain), Alberto Martínez Aracil, Amparo Lluch Bisbal, Judith Murillo Cortés, Rafael Navarro Iváñez, Estrella Fernández Fabrellas

Two birds, one stone: a RCT investigating the efficacy of dexamfetamine for treating obesity and obstructive sleep apnoea
Natalie Gauci (Kingswood, Australia), Hazer Khalifa, Donald Lee, David Coulshed, Emily Hibbert, Kaye Foster-Powell, Alison Poulton

The effect of low dose CO2 on sleep quality in healthy subjects
Shanfeng Liang (Guangzhou, China), Dongxiao Lu, Qishan Wei, Baiting He, Luguang Wu, Yingxin Wu, Joerg Steier, Andrew Wellman, Yuanming Luo

Gender transition from female to male as a risk factor for sleep-disordered breathing
Samuel Genzor (Olomouc, Czech Republic), Jan Mizera, Jakub Vanek, Jan Prasko, Petr Jakubec, Monika Zurkova, Jiri Kufa

Sleep-related breathing disorders before and after bariatric surgery in morbid obese cases
Aylin Pihitli (Istanbul, Turkey), Burak Ucar, Tulin Cagatay, Celik Sumer, Nihat Aksakal, Halim Issever, Kiyen Esen

Obesity and self-reported symptoms as determinants of responses to atomoxetine and aroxypbutynin for sleep apnea
Ludovico Messineo (Boston, United States), Scott Sands, Andrew Wellman, Ali Azarbarzin

TRANSCUTANEOUS NOCTURNAL CAPNOGRAPHY - AN UNDERUSED TOOL?
Laura Abad Chamorro (Oviedo, Spain), Gemma Rubinos Cuadrado, Maria José Vázquez López, Irene Fernández Suárez, Patricia Rodríguez Menéndez, Ina Iordanova Guerassimova, Pablo Lozano Cuesta, Ines Ruíz Alvarez, Juan Francisco Nieves Salceda, Laura Martínez Vega, María Rodil Riera, Eduardo Sánchez Vázquez, Isabel Martínez Gozález-Posada, Patricia Álvarez Álvarez, Ángela Lanza Martínez, Ramon Fernández Álvarez

Neck structures, risk factor for obstructive sleep apnea
Norbert Wellmann (TIMISOARA, Romania), Alexandru Cătălin Motofealea, Monica Steluța Marc

Estimating obstructive sleep apnea endotypes from the oxyhemoglobin saturation signal

Ludovico Messineo (Boston, United States), Ali Azarbarzin, Neda Esmacili, Atqiya Aishah, Daniel Vena, Gonzalo Labarca, Laura Gell, Hu Wen-Sin, Hyung-Chae Yang, Scott Sands, Andrew Wellman

Gender difference in residual sleepiness at 1-year of CPAP treatment

Pasquale Tondo (Foggia, Italy), Simone Sorangelo, Anela Hoxhallari, Giulia Scioscia, Matteo Siciliano, Rosa Leccisotti, Matteo Bradicich, Giorgia Moriondo, Piera Soccio, Giuseppe Mansueto, Roberto Sabato, Maria Pia Foschino Barbaro, Donato Lacedonia

Systematic Review and Pathway Analysis of differentially expressed microRNAs in Obstructive Sleep Apnea

Barbara Santos (Coimbra, Portugal), Laetitia Gaspar, Ana Capitão, Alexandrina Ferreira Mendes, Claudia Cavadas, Irina S. Moreira, Ana Rita Álvaro

Late Breaking Abstract - Dysanapsis in adult obstructive sleep apnoea patients and its association with asthma.

Masood Ur Rasool (HUNTINGDON, United Kingdom), Hina Qaim, Sadiyah Hand

Late Breaking Abstract - Association between obstructive sleep apnea syndrome (OSAS) and QRS duration in women

Derlen Ozgec (Nicosia, Cyprus), Cenk Conkbayır, Mustafa Akansoy

PS-20 in poster area

Session

16:00 - 17:30

Poster session: Imaging studies in COVID pneumonia and other lung diseases**Disease(s) :** Interstitial lung diseases Airway diseases Respiratory critical care Thoracic oncology Pulmonary vascular diseases**Method(s) :** Imaging Physiology Pulmonary function testing Respiratory intensive care Endoscopy and interventional pulmonology Epidemiology Public health Surgery**Chairs :** Ádám Domonkos Tárnoki (Budapest, Hungary)**Comparison of Conventional Clinical and Laboratory Findings with 18F-FDG PET/CT and 68Ga Citrate PET/CT in terms of Diagnostic Utility and Disease Activity Among Sarcoidosis Patients**

bahar kubat (ISTANBUL, Turkey), Mehmet Cüneyt Tetikkurt, Haluk Burçak Sayman

CT imaging differences between different Covid-19 strains

Aleksandar Ivkovic (Niš, Republic of Serbia), Tamara Milosavljevic, Ivana Svilarov, Stevan Ivkovic, Dusan Ivkovic

CT findings as prediction of long covid

Aleksandar Ivkovic (Niš, Republic of Serbia), Tamara Milosavljevic, Ivana Svilarov, Stevan Ivkovic, Dusan Ivkovic

Quantitative CT lung alterations and lung function in COVID-19 associated ARDS: 1-year follow-up

Riccardo Ripamonti (Vimercate, Italy), Bianca Corrà, Silvia Pagani, Stefania Raschi, Pierfranco Usai, Cristiano Bonacina, Roberta Cattaneo, Monica Bernareggi, Chiara Melacini, Serena Bencini, Martina Piluso, Francesca D'Arcangelo, Luca Parachini, Chiara Milano, Roberta Ciceri, Angela Brancaforte, Marcello Intotero, Paolo Scarpazza

Persisting radiological abnormalities following covid-19 are common and correlate with impaired Quality of Life

Hannah Bayes (Glasgow, United Kingdom), Robert Sykes, Andrew J Morrow, Kenneth Mangion, Alex Mcconnachie, Alasdair McIntosh, Giles Roditi, Claire Rooney, Katherine Scott, David Stobo, Colin Berry, Colin Church

Differences in CT presentation of covid 19 between vaccinated and unvaccinated patients

Aleksandar Ivkovic (Niš, Republic of Serbia), Tamara Milosavljevic, Ivana Svilarov, Stevan Ivkovic, Dusan Ivkovic

Computed tomography (CT) characteristics of vanishing lung syndrome in patients after severe COVID-19 pneumonia

Svitlana Opimakh (Kyiv, Ukraine), Viktoriya Ignatieva, Mykola Lynnyk, Galyna Gumeniuk, Maryna Polianska, Nataliia Musienko

Multislice CT in the visualisation of thromboembolism of small branches of pulmonary arteries in COVID-19

Lina Zaripova (Astana, Kazakhstan), Elmira Chuvakova, Timur Sarsengaliyev, Manana Peradze, Abay Baigenzhin

Incidentaloma in covid 19

Stevan Ivković (Niš, Republic of Serbia), Dušan Ivković, Aleksandar Ivković

Medical management strategies in epidemic

Dušan Ivković (Niš, Republic of Serbia), Stevan Ivković, Aleksandar Ivković

CT findings in asymptomatic patients with covid 19

Stevan Ivković (Niš, Republic of Serbia), Dušan Ivković, Aleksandar Ivković

Post COVID-19 HRCT Thorax sequelae, a one year follow up study

Rajesh Agrawal (Bareilly, India), Rajat Agarwal, Javied Ahmad Malik

Thromboembolic complications during SARS-CoV-2 infection in the elderly
Hamida Kwas (Gabes, Tunisia), Sabrine Majdoub Fehri

Pneumonectomy in the surgery of pulmonary Hydatid cysts: A therapeutic option that is sometimes unavoidable
wifek SAIDANI (Ariana, Tunisia), Kaouther Ben Amara, Imen Bouassida, Hazem Zribi, Mehdi Abdennadher, Sarra Zairi, Imen Sahnoun, Adel Marghli

Radiation exposure in primary spontaneous pneumothorax patients.
Bart P.C. Hoppe (Leiden, Netherlands), Tijmen J.T. Van Der Wel, Gijs C.M. Van De Ven, Pieter E. Postmus

Changes in lung volumes during bronchoalveolar lavage according to bedside position. Case Series
Ignacio Fernández Ceballos (Buenos Aires, Argentina), Julieta Gonzalez Anaya, Juan Martín Nuñez Silveira, Emilio Steinberg, Leiniker Navarro Rey, Gabriel Elias Vega, Ivan Huespe, Indalecio Carboni Bisso, Marcos Las Heras, Rodriogo Cornejo

Severity and radiological score in nasal polyposis associated with asthma : comparison between asthmatic and non-asthmatic patients
Rim Hammami (Sfax, Tunisia), Souha Kallel, Mohamed Amin Chaabouni, Omar Walha, Najla Bahloul, Sirine Ayedi, Sami Kammoun, Ilhem Charfeddine

Computerized tomography evaluation of pleural effusion before medical thoracoscopy
Filip Popović (Zagreb, Croatia), Marta Koršić, Fran Seiwerth, Sonja Badovinac, Lela Bitar, Marko Jakopović, Miroslav Samaržija

Late Breaking Abstract - CT-based diaphragm analysis to evaluate the diaphragm configuration with increasing COPD severity
Jens Thomas Bakker (GRONINGEN, Netherlands), Jorine E. Hartman, Karin Klooster, David A. Lynch, Marieke C. Van Der Molen, Jean-Paul Charbonnier, Michail Tsiaousis, Rozemarijn Vliegthart, Dirk-Jan Slebos

Late Breaking Abstract - Deep learning-based outcome prediction in pulmonary fibrosis using synthetic HRCT
Simon Walsh (London, United Kingdom), Xiaodan Xing, John Mackintosh, Lucio Calandriello, Yingying Fang, Shiyi Wang, Sheng Zhang, Yang Nan, Mario Silva, Athol Wells, Guang Yang, Tamera Corte

PS-6 in poster area

Session

16:00 - 17:30

Poster session: Precision medicine considerations and inhalation efficacy in airway diseases

Disease(s) : Airway diseases Respiratory critical care

Method(s) : General respiratory patient care Cell and molecular biology Respiratory intensive care Epidemiology Pulmonary function testing Public health

Chairs : Ellen Tufvesson (Lund, Sweden), Morten Hvidtfeldt (Lejre, Denmark)

Absolute blood eosinophil counts among 3,763 healthy, asthmatic, and COPD subjects across India.
Priyanka Dhumal (Pune, India), Virendra Singh, Malay Sarkar, Arjun Padmanabhan, Rajesh Swarnakar, Devasahayam Christopher, Mohankumar Thekkinkattil, Raja Dhar, Jitendra Ingole, Arpan Shah, Gayathri Joshy, Sonali Trivedi, Nagesh Dhadge, Shrikant Krishmurthy, Saurabh Karmakar, Sameer Arbat, Vijay Tyagi, Saibal Moitra, Sahebrao Toke, Archana B, Suresh Anantraj, Surya Kant Tripathi, Zuber Ahmed, Sanjay Kochar, Swapnil Gadhave, Sundeep Salvi

Revisiting severe asthma definition using electronic health data in UK Biobank for genome-wide association studies
Noemi-Nicole Piga (Leicester, United Kingdom), Michael A Portelli, Glenda Lassi, Ian Sayers, Katherine Fawcett

Treatable trait guided asthma management: biomarker changes and responder analysis
James Fingleton (Wellington, New Zealand), Rob McLachlan, Jenny Sparks, Richard Beasley, Alvar Agusti, Peter G Gibson, Ian Pavord, Jo Hardy, Mark Weatherall, Allie Eathorne, Vanessa M McDonald

The impact of smoking history on baseline characteristic in patients with severe asthma in the German Asthma Net (GAN)
Leonie Biener (Bonn, Germany), Slagjana Stoshikj, Jonas Brugger, Roland Buhl, Eckard Hamelmann, Stephanie Korn, Christian Taube, Katrin Milger-Kneidinger, Christian Schulz, Hendrik Suhling, Margret Jandl, Rainer Ehmman, Olaf Schmidt, Marco Idzko, Dirk Skowasch

The impact of pretreatment blood eosinophils count (BEC) in the efficacy of Allergen Immunotherapy (AIT)
Antonios Christopoulos (Patras, Greece), Maria-Elpida Christopoulou, Ioannis Christopoulos, Georgios Tsirikos, Panagiota Tsiri, Eva Theohari, Electra Koulousousa, Vasiliki Sotiropoulou, Demetris Komninos, Argyrios Tzouvelekis

Fractional exhaled nitric oxide as a biomarker in patients with uncontrolled asthma
William Busse (Madison, United States), Ian D. Pavord, Michael E. Wechsler, Ignacio J. Davila, Arman Altincatal, Megan Hardin, Xavier Soler, Harry Sacks, Juby A. Jacob-Nara, Yamo Deniz, Paul J. Rowe

The effect of lung emptying on the airway deposition of aerosol drugs

Janos Tamas Varga (Budapest, Hungary), Árpád Farkas, Gábor Tomisa, Georgina Szénási, Péter Czaun, Alpár Horváth

Aerosol delivery during high flow nasal oxygenation: breath enhanced nebulization.

Gerald Smaldone (Stony Brook, United States)

BDP/FF FDC protects against bronchospasm induced by PEG, a BNT162b2 COVID-19 vaccine excipient

Luigino Calzetta (Roma (RM), Italy), Alfredo Chetta, Marina Aiello, Annalisa Frizzelli, Josuel Ora, Enrico Melis, Francesco Facciolo, Lorenzo Ippoliti, Andrea Magrini, Paola Rogliani

The effect of lung emptying on the breathing parameters characterizing the inhalation of aerosol drugs

Botond Havadtoi (Budapest, Hungary), Izolda Réti, Norbert Ilyés, Árpád Farkas, Alpár Horváth, Balázs Sánta, Tamás Kovács, Péter Czaun, Gabriella Gálffy

Anti-IL-5/5Ra biologics improve work productivity and activity in severe asthma.

PP Hekking (Rotterdam, Netherlands), Hanna Kuiper - Van Der Valk

Improving access to biologic treatments for patients with severe asthma

Angela Cooper (Stoke on Trent, United Kingdom), Holly Minshall, Elfatih Idris

Consistency of Medication Delivery with Breath Actuated Technology when Simulated with Differing Inhalation/Exhalation Ratios

Mark Nagel (London (ON), Canada), Rubina Ali, Cathy Doyle, Jason Suggett

ORBE II study: clinical characteristics and outcomes after treatment with benralizumab according to baseline blood eosinophil count

Alvaro Martinez Mesa (Malaga, Spain), Jose Luis Velasco Garrido, Ismael García Moguel, Carlos Martinez, Ruben Andujar, Carmen Cañete, Rocío Díaz Campos, Loles Arnao, Gabriel Niza, Javier Nuevo, Elisa Luzon Alonso, Alicia Padilla

ORBE II study: clinical characteristics and outcomes after treatment with benralizumab according to smoking status

Carlos Martinez Rivera (Barcelona, Spain), Francisco Casas, Marta Palop, Luis Cassini, Laia Secall, Maria Jose Escarpenter, Javier Nuevo, Elisa Luzón Alonso, Alicia Padilla Galo

Can patients with FEV1 ≥80% achieve improvements with benralizumab treatment? An ORBE II study subanalysis according to lung function

Marina Blanco Aparicio (A Coruña, Spain), Eva Martínez Moragón, Andrea Trisán Alonso, Borja Valencia Azcona, Pilar Ausín Herrero, Eugenia Navarrete Rouco, Marta González Sierra, Javier Nuevo Rivero, Elisa Luzón Alonso, Alberto Levy Naón

Long-term efficacy and tolerability of dupilumab in patients with moderate-to-severe type 2 asthma stratified by baseline characteristics

Michael E. Wechsler (Denver, United States), Linda Rogers, Giorgio Walter Canonica, Arman Altincatal, Megan Hardin, Xavier Soler, Paul J. Rowe, Yamo Deniz, Harry Sacks, Juby A. Jacob-Nara

Unprimed electrostatic plastic bottle spacer delivered more salbutamol aerosol to airways than antistatic valved holding chambers

Hyouk-Soo Kwon (Seoul, Republic of Korea), Ji-Yoon Oh, Ji-Hyang Lee, Yu Ri Kang, Young-Soon Yoon, Woo-Jung Song, Tae-Bum Kim, You Sook Cho

Late Breaking Abstract - Evaluation of the bronchoconstriction potential and safety profile of the novel environmentally-friendly HFA-152a propellant compared to the marketed HFA-134a propellant in a randomized clinical trial of adults with mild asthma

Michela Salvadori (Parma, Italy), Dave Singh, Brian Laker, James W Dodd, Luca Girardello, Kusum S Mathews, Gianluigi Poli

Late Breaking Abstract - Baseline characteristics impact on asthma exacerbation risk: individual patient trial data analysis

Pierluigi L. Paggiaro (Pisa (PI), Italy), David Price, Nicolas Roche, Sebastian Moreira, Manish Verma, Shalini Girotra, Maximilian Plank, Sean Oosterholt, Oscar Della Pasqua

PS-16 in poster area

Session

16:00 - 17:30

Poster session: Pleural malignancy at the cutting edge: clinical studies, translation, and mechanisms

Disease(s) : Thoracic oncology Airway diseases

Method(s) : General respiratory patient care Epidemiology Endoscopy and interventional pulmonology Surgery Cell and molecular biology Physiology Palliative care Imaging

Chairs : Selina Tsim (Glasgow (Glasgow), United Kingdom), Chair to be confirmed

Comparing the Success Rate of Pleurodesis with Thoracoscopic Talc Poudrage Combined with Indwelling Pleural Catheter versus Thoracoscopic Talc Poudrage in Patient with Malignant Pleural Effusion, A Randomized, Non-inferiority Clinical Trial

Jitanong Sootlek (Bangkok, Thailand), Vorawut Thanthitaweewat

Symptom-guided drainage and autopleurodesis rates in patients with Indwelling Pleural Catheters (IPCs) for malignant pleural effusions

Isaac Fong (Singapore, Singapore), Wui Mei Chew, Kah Yee Tham, Marnie Tamayo Gutierrez, Aza Taha, Sandra Hui, Imran Bin Mohamed Noor

Getting the basics right. Optimal catheter size for the pleurodesis of recurrent malignant pleural effusions

Dimitris Lioumpas (Athens, Greece), Evdokia Tzatzadaki, Konstantinos Stefanidis, Evangelos Fergadis, Stylianos Michelis, Ioannis Provatas, Georgios Gkantinas, Theodoros Fachouridis, Ioannis Stamatatos, Theoni Kiknadze, Antonios Katsantonis, Georgios Anagnostopoulos, Georgios Benakis, Antonios Antoniadis, Nikolaos Tzatzadakakis, Efstathios Metaxas

Ultrasonic Elastography-guided Pleural Biopsy for the Diagnosis of Pleural Effusion, An Observational Prospective Multicentric Study

Gang Hou (Beijing, China), Mingming Deng

Cell block in malignant pleural fluids- a safe tool in the evaluation of histopathological predictive factors.

Daniela Xhemalaj (Tirana, Albania), Fatmir Caushi, Ilir Skenduli, Jonida Tula, Elona Hysenbelli, Jolanda Nikolla, Elvisa Kozma, Elona Hila, Silva Bala

Determining the clinical utility of a breath test to screen an asbestos-exposed population for pleural mesothelioma.

Kathleen Zwijzen (Wilrijk, Belgium), Joris Van Cleemput, Caroline Jonckheere, Tom Richart, Kristiaan Nackaerts, Veerle Surmont, Jan P. Van Meerbeeck, Kevin Lamote

Cutting-edge tools for lung cancer-related pleural effusion detection

Tan Shu Feng (Serdang, Malaysia), Umami Nadira Daut, Jamalul Azizi Bin Abdul Rahaman, Mohammad Zulkarnain Bidin, Siti Hajar Binti Umar

An update regarding the Meso-ORIGINS study: part of the PREDICT-Meso International Accelerator

Mark Neilly (Glasgow, United Kingdom), Selina Tsim, John MacLay, Rocco Bilancia, Anna Bibby, Timothy Gatheral, Alina Ionescu, Andrew Griffiths, Avinash Aujayeb, Najib Rahman, Janet Fallon, Christopher Craig, Michelle Macdougall, John Corcoran, Rakesh Panchal, Mahendran Chetty, Kevin Lamote, Gordon Cowell, Crispin Miller, Robert Rintoul, Jan Van Meerbeeck, Joshua Roche, Alexandra Macpherson, Laura Alexander, Julie Roberts, Jacqui Gourlay, Joanne McGarry, Nicola Walker, Kevin Blyth

Role of pleural fluid calprotectin as a biomarker in malignant pleural effusions

Nishant Kumar Chauhan (Jodhpur (Rajasthan), India), Amartya Chakraborti, Naveen Dutt, Mahendra Kumar Garg, Mithu Banerjee, Deepak Vedant, Gopal Durgeshwar, Hariharan Iyer

Dactinomycin could prime immune cell therapy via activation of tumour cell STING

Yu Zhao (Headington, Oxford, United Kingdom), Nikolaos I Kanellakis, Yanchun Peng, Beibei Wang, Adan Pinto Fernandez, Megat Bin Abd Hamid, Xuan Yao, Elie Antoun, Simeon Draganov, Tao Dong, Najib M Rahman

Patient-derived organoids of malignant pleural mesothelioma

Francesca Gonnelli (Ancona, Italy), Luca Volpini, Federica Monaco, Marco Tomasetti, Francesca Barbisan, Gaia Goteri, Lory Santarelli, Lina Zuccatosta, Federico Mei

Primary cilium associated BBSome gene expression during inflammatory stress in mesothelial cells and primary mesothelioma cells.

Erasmia Rouka (Larissa, Greece), Rajesh Jagirdar, Eleanna Pitaraki, Sotiris Sinis, Eleftherios Papazoglou, Rania Kotsiou, Chrissy Hatzoglou, Konstantinos Gourgouliannis, Sotirios Zarogiannis

Phenotype and characterisation of the immunosuppressive mechanisms of malignant pleural effusion fluid

Nikolaos I. Kanellakis (Oxford, United Kingdom), Yu Zhao, Zheqing Zhang, Megat Abd Hamid, Yanchun Peng, Tao Dong, Najib M. Rahman

Multicenter analysis of procedural burden and diagnostic delay in patients with malignant pleural effusions

Louis Yeung (Sydney, Australia), Simon Graffen, Jonathon Parker, Andrew Oaten, Vineeth George

Seven year retrospective analysis of the pleural procedure service at Singleton hospital

Jennifer Park (Swansea, United Kingdom), Matthew Renwick, Mohammad Sanim Yasar, Narendrababu Rampura Chinnappa

Understanding trends of malignant pleural effusion and ascites in metastatic intra-abdominal cancers

Beenish Iqbal (Oxford, United Kingdom), Anand Sundaralingam, Dinesh Addala, Poppy Denniston, Suzy Guo, Rob Hallifax, Najib M Rahman

Prevalence and clinical significance of non-expandable lung in malignant pleural effusion in Asians

Charles Wong (Hong Kong, Hong Kong), Hei-Shun Cheng, Chun-Wai Tong, Pui-Hing Chiu, Flora Pui-Ling Miu, Loretta Yin-Chun Yam

Clinical characteristics of pleural effusion with exudative and transudative borderline properties

Akiko Sano (Osaka, Japan), Hiroyuki Sano, Osamu Nishiyama, Yuji Tohda, Hisako Matsumoto

The continued burden of pleural mesothelioma; a review of 10 years experience at this hospital Trust

Qasim Gohir (Telford, United Kingdom), Julia Mcadam, Emma Crawford, Olivia Boshier, Muhammad Saleem, Koottalai Srinivasan, Harmesh Moudgil

Malignant pleural mesothelioma. Description of 70 cases in the last decade.

Fernando Garcia Prieto (Getafe, Spain), Sara Calero Pardo, María Teresa Rio Ramirez, Cristina Matesanz López, Jose Maria Diaz García, Beatriz Raboso Moreno, Araceli Abad Fernandez

PS-10 in poster area

Session

16:00 - 17:30

Poster session: Health effects of tobacco use**Disease(s) :** Airway diseases Thoracic oncology**Method(s) :** Epidemiology Pulmonary function testing General respiratory patient care Public health Cell and molecular biology Imaging Physiology Pulmonary rehabilitation**Is nicotine dependence associated with lung function, physical capacity and sleep quality ?**

Nadia BEN LAZREG (sousse, Tunisia), Khoulood Kchaou, Fatma Guezguez, Balsam Barkous, Saloua Ben Khamsa

Effects of yoga on pulmonary parameters, posture and body awareness among smokers

Caner Özbek (Istanbul, Turkey), Elif Develi

Associations of Pipe and Cigar Use with Cardiopulmonary Outcomes: The NHLBI Pooled Cohort Study

Pallavi P. Balte (New York, United States), Jack E. Morris, Surya P. Bhatt, Pat Cassano, David Couper, David Jacobs Jr., Ravi Kalhan, Laura Loehr, Stephanie London, Anne Newman, George O'Connor, Joseph E Schwartz, Sachin Yende, Neal D. Freedman, Tiffany R Sanchez, Elizabeth Oelsner

Herb vaporizers are not safe for health. Particles emissions from dry chamomile vaporization

Efthimios Zervas (Patra, Greece), Chara Tsipa, Niki Matsouki, Manos Konstantinidis, Zoe Gareiou

A breathing human lung-on-chip to study cigarette smoke induced COPD

Arunima Sengupta (Bern, Switzerland), Aurélien Dorn, Nuria Roldan, Janick Stucki, Tobias Krebs, Oliver Wisser, Nina Hobi, Olivier T. Guenat

Effect of Second-Hand Tobacco Smoke Exposure on Lung Functions of Children with Chronic Lung Disease

Beste Özsezen (Ankara, Turkey), Nagehan Emiralioğlu, Dilber Ademhan Tural, Suna Sabuncuoğlu, Gözde Girgin, Birce Sunman, Halime Nayir Buyuksahin, Ismail Guzelkas, Didem Alboga, Ebru Yalcin, Deniz Dogru, Ugur Ozcelik, Nural Kiper

"Chance" pilot study: hospitalization's impact on patients' smoking habit

Rafael Ricardo Salcedo Valenciano (Castellon, Spain), Salvador De La Torre Carazo, Esperanza Guzmán Ansado, Héctor Castro Villamor, Norman Andrés Villamagua, Irene Macarena Garcia Salazar, Erika Maria Dias Pires, Sergio Campos Téllez

The Fagerström Test in current smokers with and without COPD: a cross-sectional study

Efthymia Papadopoulou (Thessaloniki, Greece), Anna-Bettina Haidich, Alexander G. Mathioudakis, Vasilios Karapetsas, Drosos Tsavlis, Stavros Tryfon

E-Cigarette : New form of smoking in Tunisia

Soumaya Ben Saad (Ariana, Tunisia), Jallouli Nour Lahbib, Amani Ben Mansour, Azza Slim, Hafaoua Daghfous, Fatma Tritar

Interrelation between smoking, obesity and surfactant protein-D in patients with acute exacerbation COPD

Olha Shtepa (Dnipro, Ukraine)

Water pipe smoking and Lung cancer, A case control study in Iran

Zahra Hessami (Tehran, Islamic Republic of Iran), Sogol Sobhani, Gholamreza Heydari

Despite substantial decrease of smoking, exposure to passive smoking remains a risk factor for asthma and wheeze in children

Linnea Hedman (Luleå, Sweden), Helena Backman, Pablo Sundvall, Martin Andersson, Eva Rönmark

Pneumothorax in tobacco and cannabis smokers in the Agadir region

Oussama HALLOUMI (AGADIR, Morocco), Khadija Aitnasser, Fatiha Bounoua, Aboubakr Imzil, Abdelkrim Khannous, Younes Essaid, Abdelmajid Oulahbib, Nada Boutbagha, Hanane Ikrou, Sofia Farhat, Houssam Ennaceri, Houda Moubachir, Hind Serhane

Tobacco use among ICU patients with Candida auris infection in COVID 19 referral hospital.

Stamatoula Tsikrika (Athens, Greece), Asimina Raftopoulou, Vasiliki Nanou, Marina Asmanidou, Theoni Agapitou, Anastasia Kosmidou, Aristeia Christou, Eirini Mikrovassili, Evangelos Stefanidis, Gerasimos Mexatas, Ioannis Nikolopoulos

Relationship between smoking status and inflammation markers in adolescents.

Khurshidbek Tashmetov (Tashkent, Uzbekistan), Naima Ubaydullaeva

Study of smoking behaviour in asthmatic workers

Nidhal Balloumi (Ariana, Tunisia), latifa BEN AFIA, Dorra Brahim, Amen Moussa, Hanene Ben Said, Najla Mechergui, Meriem Mersni, Ghada Bahri, Imen Youssef, Nizar Ladhari, Soraya Fenniche

Changes in violations at tobacco point of sales between 2015 – 2022 in Istanbul

Elif Dagli (Istanbul, Turkey), Ummuhan Pece Sonmez, Murat Guner, Tanzer Gezer, Osman Elbek, Pinar Ay, Fusun Yildiz, Banu Salepci, Pinar Bostan

Profile of child labourers in a rural area of West Bengal: A Cross sectional study

Himanish Roy (Kolkata, India)

Early use of oral moist tobacco as related to respiratory symptoms: a cross-sectional analysis from the RHINESSA study

Juan Pablo López-Cervantes (Bergen, Norway), Christer Janson, Simone Accordini, Vivi Schlünssen, Randi J. Bertelsen, Cecilie Svanes

Effect of tobacco in the non-control of asthma among workers

Nidhal Balloumi (Ariana, Tunisia), latifa BEN AFIA, Dorra Brahim, Amira Bel Kahla, Hanene Ben Said, Meriem Mersni, Najla Mechergui, Ghada Bahri, Imen Youssef, Nizar Ladhari, Soraya Fenniche

PS-3 in poster area**Session****16:00 - 17:30****Poster session: Respiratory mechanics, structure-function, and modelling studies**

Disease(s) : Respiratory critical care Airway diseases Interstitial lung diseases Pulmonary vascular diseases

Method(s) : Physiology Pulmonary function testing Pulmonary rehabilitation Respiratory intensive care Public health Imaging General respiratory patient care

Chairs : Raffaele Dellaca (Milano (MI), Italy), Katarzyna Górka (Warszawa, Poland)

Improved gas exchange during high-frequency percussive ventilation: comparison of intratracheal and extrathoracic oscillations

Ferenc Peták (Szeged, Hungary), Walid Habre, John Diaper, Roberta Südy, Davide Bizzotto, Raffaele Dellacà, Álmos Schranc

Effects of positive and negative end-expiratory pressures on gas exchange and haemodynamics during flow-controlled ventilation: an experimental study

Álmos Schranc (Geneva, Switzerland), John Diaper, Roberta Südy, Walid Habre, Gergely Albu, Philippe Bijlenga, Hervé Quintard

Ventilation-perfusion matching assessed by volumetric capnography: differences between positive- and negative-pressure mechanical ventilation in rats

Bence Ballók (Szeged, Hungary), Gergely H. Fodor, Fruzsina Kun-Szabó, Ibolya Tóth, Petra Somogyi, József Tolnai, Barna Babik, Ferenc Peták

Viscoelastic behavior of sheep respiratory system during mechanical ventilation

Camilla Ziliani (Milano (MI), Italy), Fabio Acocella, Giuliano Ravasio, Roberto Galli, Anna Kyriakoudi, Matteo Pecchiari

Establishing reference values for the end-expiratory lung volume (EELV) in a common model of respiratory research

Gergely H. Fodor (Szeged, Hungary), Ferenc Ráosi, Bence Ballók, Fruzsina Kun-Szabó, Ibolya Tóth, Petra Somogyi, Ferenc Peták

The pattern and distribution of ventilatory defects after extracorporeal membrane oxygenation in leptospirosis with acute respiratory distress syndrome survivors

Bryan Leonard Quizon (Quezon City, Philippines), Joann Kathleen Ginete-Garcia

Evaluation of the spatial spirometry indicators using electrical impedance tomography

Wang Chun Kwok (Hong Kong, Hong Kong), Fedi Zouari, Pak To Cheung, Adrien Touboul, Venice Sin, Eddie C. Wong, Iris Y. Zhou, Terence Chi Chun Tam, Russell W. Chan

Distribution of regional lung ventilation in upright healthy subjects determined by electrical impedance tomography
Inez Frerichs (Kiel, Germany), Barbara Vogt, Kathinka Deuss, Victoria Hennig, Claas Strodthoff

New parameters of airway dynamics derived by integration from plethysmographic tidal breathing loops (sRaw-loop) in healthy children and adults
Richard Kraemer, Hans-Jürgen Smith, Heinrich Matthys

Comparing a semi-empirical model of inhaled compound deposition with computational fluid dynamics (CFD)
Hosein Sadafi (Kontich, Belgium), Benjamin Lavon, Wilfried De Backer, Maarten Lanclus, Jan De Backer

Computational fluid dynamic analysis of the effect of airflow vibration in nasal cavity
MASATO MIWA (TOKYO, Japan), Soichiro Fujimura, Nagisa Yanagi, Masahiro Nakamura, Fumihiko Matsumoto, Makoto Yamamoto

Effects of breathing frequency on the capnogram shape factors in healthy subjects
József Tolnai (Szeged, Hungary), Gergely Fodor H., Ibolya Tóth, Petra Somogyi, Bence Ballók, Barna Babik, Ferenc Peták

Understanding the determinants of CO gas-transfer test through a computational lung model
Christos Nikolaou (London, United Kingdom), Wenjia Bai, Brody H Foy, Salman Siddiqui

Examining the relationship between pulmonary vascular structure and function in chronic obstructive pulmonary disease: a cross-sectional analysis.
Sophie Collins (EDMONTON, Canada), Miranda Kirby, Joshua Perka, Andrew Weinkauff, Gaurav Veer Singh, Stephanie Thompson, Benjamin M. Smith, Sean Van Diepen, Michael Stickland

Association of Forced Oscillation Technique measurements with respiratory system compliance and resistance in a 2-compartment physical model of the respiratory system
Laurent Plantier (Tours Cedex 9, France), Valentin Cerfeuillet, Laurine Allimonier, Sandrine Le Guellec

Use of oscillometry in clinical practice
Elisabeth Edvardsen (Oslo, Norway), Ingvild Bjellmo Johnsen

The Utility of Forced Oscillation Technique in the Assessment of Obstructive Lung Disease among Adult Patients
Nikko John Dalisay (Angeles City, Philippines), Bernice Ong-Dela Cruz, Ma. Encarnita Limpin

Airspace diameter map - a quantitative measurement of all pulmonary airspace to characterize structural lung diseases
Sanja Blaskovic (Bern, Switzerland), Pinelopi Anagnostopoulou, Elena Borisova, Dominik Schittny, Yves Donati, David Haberthür, Zhe Zhou-Suckow, Marcus A. Mall, Christian M. Schlepütz, Marco Stampanoni, Constance Barazzone, Johannes C. Schittny

Diabetes Enhances Impairments in Pulmonary Function and Exercise Capacity in Patients with Non-Alcoholic Steatohepatitis (NASH)
Chul-Ho Kim (Rochester, United States), Kade Fritz, Jack Lavey, Bruce Johnson, Kymberly Watt, Alexander Niven, Jinkyung Cho

Does the level of obesity impact on the respiratory function in adults?
Antonella LoMauro (Milano (MI), Italy), Gabriella Tringali, Franco Codecasa, Alessandro Sartorio, Andrea Aliverti

PS-7 in poster area Session **16:00 - 17:30**

Poster session: Chronic obstructive pulmonary disease exacerbations

Disease(s) : Airway diseases Respiratory critical care

Method(s) : General respiratory patient care Cell and molecular biology Epidemiology Public health Pulmonary function testing Respiratory intensive care Imaging

Chairs : Fabiano Di Marco (Milan, Italy)

Evaluation of ACCEPT to predict COPD exacerbations in NOVELTY
Samuel Lewis (Cambridge, United Kingdom), Adam Taylor, Eleni Rapsomaniki, Hana Müllerová, Cecilia Kristensson, Andrew Harper, Pierre-Régis Burgel, Mohsen Sadatsafavi, Caroline Owen, Rod Hughes, . For The Novelty Scientific Community And The Novelty Study Investigators

Impact of Intrinsic and Extrinsic Environmental Factors on Acute Exacerbations of Chronic Airway Disease
Ying-Yin Chen (Douliou, Taiwan), Hung-Chueh Peng, Chen-Wen Lin, Yen-Chen Hsein, Chung-Yu Chen

Chronic rhinosinusitis in COPD is associated with increased exacerbation risk
Anders Andersson (Göteborg, Sweden), Joel Bergqvist, Anne Lindberg, Caddie Zhou, Fredrik Nyberg, Johan Hellgren, Caroline Stridsman, Lowie E.G.W. Vanfleteren

Recognising exacerbations in Early COPD

Jordina Mah (London, United Kingdom), Andrew Ritchie, Gavin Donaldson, James Allinson, Aaron Braddy-Green, Chloe Bloom, Hassan Shahbakhti, Mairi Macleod, Dexter Wiseman, Luana Alves-Moreira, Malin Fageras, Kristoffer Ostridge, Olaf Jöns, Enrica Bucchioni, Chris Compton, Paul Jones, Karen Mezzi, Jørgen Vestbo, Peter Calverley, Jadwiga Wedzicha

Validation of the Rome proposal for severity of acute exacerbation of chronic obstructive pulmonary disease

Hyo Jin Lee (Seoul, Republic of Korea), Jung-Kyu Lee, Tae Yun Park, Eun Young Heo, Deog Kyeom Kim, Hyun Woo Lee

Comparison of eosinophilic and noneosinophilic exacerbations of COPD: phenotyping of the next relapse

Balazs Antus (Budapest, Hungary), Csilla Paska, Imre Barta

Association between changes in thoracic muscle mass assessed by high resolution computed tomography and exacerbations in patients with COPD- 1-year follow-up

Mia Solholt Godthaab Brath (Vadum, Denmark), Sisse Dyrman Alsted, Esben Bolvig Mark, Pernille Veiss-Pedersen, Rasmus Brath Christensen, Henrik Højgaard Rasmussen, Jens Brøndum Frøkjær, Lasse Riis Østergaard, Ulla Møller Weinreich

Frailty: a multifaceted challenge in Chronic Obstructive Pulmonary Disease

Warda Jelassi (Tunis, Tunisia), Chaima Habouria, Nidhal Belloumi, Imen Bechouch, Fatma Chermiti, Soraya Fenniche

Patient-reported symptoms as drivers of COPD exacerbation risk in routine care

Hana Müllerová (Cambridge, United Kingdom), Clementine Nordon, Stefan Franzén, Laura Belton, Clement Erhard, Nifasha Rusibamayila, Rod Hughes, Pierre-Régis Burgel, Mohsen Sadatsafavi, Christer Janson, For The Novelty Scientific Community And The Novelty Study Investigators

Comparison of hospitalised AECOPDs secondary to SARS-CoV-2 versus other respiratory viruses

Louis Chhor (Croydon North, Australia), Martin Macdonald, Garun Hamilton, Stefan Saggese

Association between weather and emergency department visits for acute exacerbation of chronic obstructive pulmonary disease patients with acute respiratory failure

Man-Ju Ting (New Taipei City, Taiwan), Yating Chen, Yeong-Long Hsu, Shih-Lung Cheng

Malnutrition : An independent risk factor of an early readmission for acute exacerbation in COPD

Warda Jelassi (Tunis, Tunisia), Chaima Habouria, Nidhal Belloumi, Imen Bechouch, Fatma Chermiti, Soraya Fenniche

Platelet count and platelet-to-lymphocyte ratio as biomarkers on the onset of a severe COPD exacerbation

Andreas Schønberg-Moe (EIKSMARKA, Norway), Balázs Csoma, András Bikov, Veronika Müller, Zsófia Lázár

Identifying opportunities for earlier diagnosis of high-risk COPD patients in Australia: an observational study

Andrew Dickens (Cambridge, United Kingdom), Christine Jenkins, Alexander Evans, Kerry Hancock, Anita Sharma, Belinda Cochrane, Paul Leong, Brian Ko, Florian Heraud, Porsche Le Cheng, Alexander Roussos, Sinthia Bosnic-Anticevich, Fabio Botini, Victoria Carter, Angelina Catanzariti, Clare Ghisla, Thao Le, Chantal Le Lievre, Ruth Murray, Kanchanamla Ranasinghe, Deb Stewart, Marije Van Melle, Rebecca Vella, Russell Wiseman, David Price

Analysis of sputum microbial metagenome in COPD based on exacerbation frequency and lung function: a case control study

Bingbing Wang (Shanghai, China), Shuanshuan Xie, Changhui Wang

Burden of chronic obstructive pulmonary disease (COPD) and risk factors for acute exacerbation: results of phase IV SWORD study

Sheetu Singh (Jaipur (Rajasthan), India), Bharat Bhushan Sharma, Arvind Sharma, Krishna Kumar Sharma, Kp Suraj, Tariq Mehmood, Kumar Utsav Samaria, Surya Kant, Nishtha Singh, Tejraj Singh, Aradhana Singh, Rajeev Gupta, Parvaiz Koul, Sundeep Salvi, Virendra Singh

Biochemical markers as predictors of outcomes in COPD exacerbations

Ana Sofia Maciel Campos Da Silva (Sesimbra, Portugal), Rita Enriquez, Joana Duarte, Andreia Daniel, Inês Claro, Margarida Barata, Maria Alvarenga Santos, Teresa Martín, Nídia Caires, Filipa Todo Bom

Pulmonary exacerbations in alpha-1 antitrypsin deficiency and usual COPD

Paul Ellis (Solihull, United Kingdom), Joshua De Soyza, Ketan Patel, John Ripollone, Alice Turner, Michael Newnham

Predictive factors of intensive care unit admission in COPD exacerbations

Asma Knaz (Sousse, Tunisia), Aissa Sana, Benzarti Wafa, Benbdira Baraa, Imen Gargouri, Ahmed Abdelghani

Predictors of acute exacerbations in COPD: a systematic review

Charlotte Cecile Bucsán (Losser, Netherlands), Anke Lenferink, S H B Van Dijk, W J C Van Beurden, P D L P M Van Der Valk, C J M Doggen, J Van Der Palen, M G J Bruske-Keizer

Disease(s) : Respiratory critical care Thoracic oncology Airway diseases

Method(s) : General respiratory patient care Respiratory intensive care Epidemiology Public health Cell and molecular biology Palliative care Pulmonary rehabilitation Surgery

Chairs : Christoph Fisser (Regensburg, Germany), Chair to be confirmed

Characteristics and clinical outcomes of adults hospitalized with viral lung infection

Mina Khezrian (Cambridge, United Kingdom), Steven Kiddle, Shubh Agrawal, Malin Fagerås, Benjamin Emmanuel, Trung Tran, Ioannis Psallidas

Post-intubation cardiac arrest events in patients of acute respiratory failure: compare neuromuscular blockers (NMBs) for rapid sequence intubation (RSI)

Yi-Ting Chen

The clinical score composite of six factors can guide DNR decisions in elderly patients with severe community acquired pneumonia: a retrospective multicenter cohort study.

Pin-Kuei Fu (Taichung, Taiwan), Yu-Cheng Wu

Decrease tissue oxygen saturation influenced acute skeletal muscle weakness in patients with critically ill patients

Ryuji Sugiyama (Osakasayama, Japan), Shinichi Arizono, Yuta Kimoto, Masashi Shiraishi, Kazuyuki Tabira, Yuichi Tawara, Tamotsu Kimura, Yuji Higashimoto, Hironori Shigeoka

Risk factors associated with Hantavirus Cardiopulmonary Syndrome in Chile.

Ricardo Fritz (Santiago, Chile), Francisco Arancibia, Ruvistay Gutiérrez-Arias, Claudia Sepulveda, Carlos Guerra, Cesar Paulsen

Risk factors for asthma related intensive care unit (ICU) admissions: Analysis of 1.4 million patients in England

Nikita Simms-Williams (Birmingham, United Kingdom), Prasad Nagakumar, Rasiah Thayakaran, Nicola Adderley, Krishnarajah Nirantarakumar, Adel Mansur, Shamil Haroon

Development and validation of deep-learning-based sepsis and septic shock early prediction system in real-world ICU data

woo hyun cho (Yongsan, Republic of Korea), Taehwa Kim, Hye Ju Yeo, Yunwon Tae, Kyungjae Cho, Dongjoon Yoo, Yeha Lee

Expansion of anaerobic bacteria in the lung microbiome of critically ill patients is associated with altered immune landscape and worsened outcomes.

Jared Schlechte, Amanda Zucoloto, Ian-Ling Yu, Christopher Doig, Mary Dunbar, Christina Thornton, Braedon McDonald

Outcomes of lung cancer patients admitted to a medical intensive care unit (ICU)

Glenn Yong (Singapore, Singapore), John Abisheganaden, Sennen Lew

A prospective study of circulating omentin-1 in critically ill patients with sepsis

Irene Karampela (Athens, Greece), Natalia Vallianou, Gerasimos-Socrates Christodoulatos, Dimitrios Tsilingiris, Georgios Antonakos, Ioanna Marinou, Evaggelos Vogiatzakis, Apostolos Armaganidis, Maria Dalamaga

Thirty-one-month outcomes of utilizing business intelligence tool for data-driven decision support to enhance compliance with lung protective strategy

Yu-Chu Kuo (, Taiwan), How-Yang Tseng, Chieh-Lung Chen, Wei-Cheng Chen

Modeling using risk factors for delirium in elderly patients admitted to an intensive care unit.

SUNG WON CHANG (Seoul, Republic of Korea), Kyung Soo Chung, Chi Rayng Chung, Jong Min Lee, Je Hyeong Kim, Jae Jeong Shim, Young Seok Lee

Impact of socioeconomic factors on pneumological emergency response

Klaas F. Franzen (Luebeck, Germany), Holger Maurer, Charlotte Söling, Daniel Drömann

Prognostic value of serum omentin-1 in critically ill patients with sepsis

Irene Karampela (Athens, Greece), Gerasimos-Socrates Christodoulatos, Natalia Vallianou, Dimitrios Tsilingiris, Georgios Antonakos, Ioanna Marinou, Evaggelos Vogiatzakis, Apostolos Armaganidis, Maria Dalamaga

Association of breathing reserve with post-operative pulmonary complications in an elective surgical cohort

Matthew Knight (manchester, United Kingdom), Inbar Aberman, Manisha Shah, Rahuldeb Sarkar

Association between early blood urea nitrogen-to-albumin ratio and one-year post-hospital mortality in critically ill surgical patients: a propensity score-matched study

Pei-Ya Liao (Taichung, Taiwan), Chao Wen-Cheng

Prediction of healthcare-associated infection using Quantiferon monitoring in pneumonia patients

Yun Seong Kim (Yongsan city (Kyeongsang Nam-do), Republic of Korea), Taehwa Kim

Risk factors for long-term invasive mechanical ventilation: a retrospective longitudinal study using German health claims data

Franziska Trudzinski (Heiderberg, Germany), Julia D Michels, Benjamin Neetz, Jan Meis, Michael Müller, Axel Kempa, Claus Neurohr, Armin Schneider, Felix Herth, Joachim Szecsenyi, Elena Biehler, Thomas Fleischhauer, Michael Wensing, Simone Britsch, Janina Schubert-Haack, Thomas Grobe, Timm Frerk

COPD Care Bundle in Emergency Department Observation Unit Reduces Emergency Department Revisits

Pierpaolo Maietta (mercoglianio (AV), Italy)

ICU experience of the Respiratory Syncytial Virus Season after 2 years into the COVID-19 pandemic in a single institution

Lurisha Coopposamy (Pretoria, South Africa), Ameena Goga, Alicia Lazarus

PS-17 in poster area**Session****16:00 - 17:30****Poster session: Comprehensive management in pulmonary fibrosis**

Disease(s) : **Interstitial lung diseases** **Sleep and breathing disorders** **Airway diseases**

Method(s) : General respiratory patient care Cell and molecular biology Pulmonary function testing Physiology Public health Epidemiology Imaging Transplantation

Chairs : Martina Koziar Vasakova (Praha 10, Czech Republic), Thomas Skovhus Prior (Egå, Denmark)

Trends in lung transplantation (LTx) in Spain among patients suffering or not from IPF (2016 -2020)

Ana Isabel Higes Diaz (Madrid, Spain), Belen Lopez-Muñiz Ballesteros, Christian Alonso Correa Gonzalez, Cristina Sánchez Fernández, Rodrigo Jiménez García, Ana Lopez De Andres, Javier De Miguel Díez

Dyspnea scale and 1-min sit-to-stand test can predict frailty status in interstitial lung disease patients

Keiji Oishi (Ube, Japan), Maki Asami-Noyama, Tasuku Yamamoto, Kazuki Hamada, Ryo Suetake, Syuichiro Ohata, Kenji Sakamoto, Yoriyuki Murata, Yoshikazu Yamaji, Nobutaka Edakuni, Tsunahiko Hirano, Kazuto Matsunaga

Combined scores from cardiopulmonary exercise tests can predict mortality in patients with interstitial lung disease

Pin-Kuei Fu (Taichung, Taiwan), Yuan-Yang Cheng

Lung dysbiosis index as a biomarker for interstitial lung disease

Kristel Svalland Knudsen (Bergen, Norway), Rune Nielsen, Xenia Roda, Gunnar Reksten Husebø, Andreu Paytuvi, Walter Sanseverino, Sverre Lehmann, Tomas Mikal Eagan

Antacid and patient survival in idiopathic pulmonary fibrosis

Jin-Young Huh (, Republic of Korea), Jin Woo Song

Investigation of pepsin levels in bronchial lavage in patients with interstitial lung disease and chronic cough

Selen Ala (Samsun, Turkey)

The eating and drinking experience in patients with IPF: a qualitative study

(,), Chris Ward, Ian Forrest, Michael Drinnan, Joanne M Patterson

NUTRITIONAL STATUS IN IDIOPATHIC PULMONARY FIBROSIS

Esther Sánchez Alvarez (Málaga, Spain), Eva B. Cabrera Cesar, Rocio Fernández Jiménez, Francisco Espildora Hernandez, José Manuel García Almeida, Jose Luis Velasco Garrido

Co-designing a Core Outcome Set for and with patients with Pulmonary Fibrosis (COCOS-IPF project): a joint patient-professional effort

anouk delameillieure (Leuven, Belgium), Silja Schenk, Vivien Somogyi, Zehra Nur Toreyin, Nazli Uckuyu, Omer Selim Unat, Eda Sen, Nikola Stenzel, Michael Kreuter, Nesrine Mogulkoc, Wim Wuyts, Liam Galvin, Steve Jones, Pippa Powell, Polina Starchenko, Jeanette Boyd, Natalia Liagka, Sabrina Bajwah, Allison Tong, Thomy Tonia, Valerie Vaccaro, Fabienne Dobbels

Trajectories of health-related quality of life (HRQL) in patients with idiopathic pulmonary fibrosis (IPF)

Amy Olson (Ridgefield, United States), Jamie L Todd, Laurie D Snyder, Peide Li, Megan L Neely

Utility of EXACT®, a patient-reported outcome instrument, for idiopathic pulmonary fibrosis-related cough

Marlies S. Wijsenbeek (Rotterdam, Netherlands), Thomas Sciascia, Toby Maher, Philip L. Molyneaux

Cough monitoring and quality of life in patients with interstitial lung diseases measured by a smartphone application-based technique

Byoung Soo Kwon (Seoul, Republic of Korea), Dayeon Han, Catherine Song, Jiyoung Jung, Jong Sun Park

Characteristics of idiopathic pulmonary fibrosis -associated cough. A case-control study

Eeva Saari (Kuopio, Finland), Minna Mononen, Hannele Hasala, Anne Lätti, Johanna Kaulamo, Hanna Nurmi, Riitta Kaarteenaho, Minna Purokivi, Heikki O Koskela

Telemedicine in pulmonary fibrosis – home spirometry as a new approach in disease control

Miroslav Ilić (Sremska Kamenica (Vojvodina), Republic of Serbia), Jovan Javorac, Ana Milenković, Dejan Živanović, Dejan Miljkovic, Dragica Kovačević, Emilija Vujičić

Effect of BI 1015550, a preferential PDE4B inhibitor, on FEV1/FVC ratio in IPF

Vincent Cottin (Lyon, France), Arata Azuma, Toby M Maher, Claudia Valenzuela, Marlies S Wijsenbeek, Yi Liu, Susanne Stowasser, Donald F Zoz, Luca Richeldi

The extent of emphysema plays a role in morbidity-mortality in patients with CPFE and IPF

Filippo Gozzi (Modena, Italy), Jaume Bordas-Martínez, Naiara Santos-Erice, Guadalupe Bermudo-Peloché, Cristian Tebé-Cordomí, Marta Lopez-Sanchez, Stefania Cerri, Enrico Clini, Salud Santos-Pérez, Maria Molina-Molina, Vanesa Vicens-Zygmunt

Comparison of emphysematous COPD patients with or without Combined Pulmonary Fibrosis and Emphysema (CPFE)

Muzaffer Onur Turan (Izmir, Turkey), Sebnem Karasu, Ceyda Anar, Bunyamin Sertogullarindan

Win ratio approach to assessing the effect of nintedanib on a hierarchical composite endpoint in patients with progressive pulmonary fibrosis

Claudia Valenzuela (Madrid, Spain), Kevin R Flaherty, Yoshikazu Inoue, Dirk Koschel, Jin Woo Song, Corinna Miede, Michiel Oldenburg, Martin Kolb

Relevance of the systematic sleep study on idiopathic pulmonary fibrosis (IPF)

Jaume Bordas Martínez (barcelona, Spain), Neus Salord Oleo, Vanesa Vicens Zygmunt, Rosana Blavia Aloy, Sandra Pérez Ramos, Eliseo Prado Gala, María D. Calvo Sánchez, Ana Montes-Worboys, Guadalupe Bermudo Peloché, Salud Santos Pérez, Carmen Monasterio Ponsa*, María María Molina Molina* (* Equal Contribution)

Impact of air pollution on survival in idiopathic pulmonary fibrosis according to the MUC5B polymorphism

Lucile Sese (Paris, France), Raphaël Borie, Caroline Kannengiesser, Vincent Cottin, Dominique Israel-Biet, Bruno Crestani, Jacques Cadranel, Cécile Chenivresse, Stéphanie Guillot-Dudoret, Dominique Valeyre, Isabella Annesi Maesano, Hilario Nunes

PS-1 in poster area**Session****16:00 - 17:30****Poster session: Clinical problems in respiratory medicine (2)**

Disease(s) : Airway diseases Interstitial lung diseases Pulmonary vascular diseases Thoracic oncology Respiratory critical care

Method(s) : Imaging Cell and molecular biology Endoscopy and interventional pulmonology General respiratory patient care Epidemiology Palliative care Surgery Pulmonary function testing Public health Physiology Respiratory intensive care

Chairs : Shailesh Balasaheb Kolekar (Herlev, Denmark), Anne Orholm Nielsen (Gentofte, Denmark)

What clinical factors are predictive of outcome in Primary Spontaneous Pneumothorax management?

Rob Hallifax (Oxford (Oxfordshire), United Kingdom), Mohammed Raza, Najib Rahman

The diagnostic implications of the pleural fluid cell differentiation

Wei Wei Ee (Bristol, United Kingdom), David T Arnold, Sonia Patole, Andrew Medford, John E Harvey, Steven Walker, Nick A Maskell

Clinical, laboratory, and radiologic markers to differentiate benign pleural effusions

Güntülü Ak (Eskişehir, Turkey), Fatmanur Korul, Selma Metintas, Huseyin Yildirim, Muzaffer Metintas

Differential diagnosis of pleural effusion using machine learning

Na Young Kim (Hwaseong-si, Gyeonggi-do, Republic of Korea), Boa Jang, Young-Gon Kim, Jaeyoung Cho

Long term association between frailty and survival in patients with pleural disease

Eleanor Barton (Bristol, United Kingdom), Ben Carter, Alessia Verduri, Jessica Hughes, Jonathan Hewitt, Nick Maskell

Impact of fluid overload on pulmonary function in Heart Failure: a cross-sectional study.

Guiedani Haydé Galván Bautista (Mexico City, Mexico), Dulce González-Islas, Arturo Orea-Tejeda, Pedro Carranza-Muñoz, Nadia Hernández-López, Rocío Sánchez-Sánchez-Santillán, Robinson Robles-Hernández, Ilse Pérez-García, Angelia Jiménez-Valentín, Mildred De La Concha-Duarte, Luz Jiménez-Gallardo, Arturo Rodríguez-Medina, Dalia Domínguez-Moya, Mauricio Reyes-Franco, Wendy Rodríguez-García, Alvaro Montañez-Orozco

Successful use of anti IL5 targeted therapy (Mepolizumab) in two cases of hypereosinophilic syndrome from India

Manu Chopra (Delhi, India), Suman Pramanik, Subhro Mukherjee, Meenakshi Chopra

Ultrasound quantification versus the actual pleural fluid volume drained in patients undergoing medical thoracoscopy.

Vijayaravindh Ramachandran (Coimbatore, India), Isaac Barney, Gupta Richa, D.J. Christopher, Robinson Vimala Leena, Yadav Bijesh

Metabolic alterations in post-COVID-19 patients with sarcopenia or sarcopenic-obesity: A cross-sectional study.

Nadia Hernández López (MEXICO CITY, Mexico), Dulce González-Islas, Arturo Orea-Tejeda, Rocío Sánchez-Santillán, Ilse Pérez-García, Angelia Jiménez-Valentín, Rafael Hernández-Zenteno, Mariana Valdés-Moreno, Mildred De La Concha-Duarte, Luz Jiménez-Gallardo, Arturo Rodríguez-Medina, Dalia Domínguez-Moya, Guiedani Galván-Bautista, Pedro Carranza-Muñoz, Diana Torres-Gómez

Efecto del B-hidroxi-B-metilbutirato sobre la masa muscular en pacientes post-COVID-19: Ensayo clínico.

Angelia Jiménez Valentín (Mexico City, Mexico), Arturo Orea Tejeda, Dulce González Islas, Mildred De La Concha-Duarte, Luz Jimenez Gallardo, Arturo Rodríguez Medina, Alvaro Montañez Orozco, Benigno Valderrábano Salas, Dalia Domínguez Moya, Guiedani Galván Bautista, Pedro Carranza Muñoz, Nadia Hernández López, Rocío Sánchez Santillán, Ilse Pérez García, Fernando Casarín López

Muscle depletion on lung function in post-COVID-19 patients: a cross-sectional study.

Arturo Rodríguez Medina (Edo. Mex., Mexico), Dulce González Islas, Arturo Orea Tejeda, Dalia Moya Domínguez, Guiedani Galván Bautista, Pedro Muñoz Carranza, Susana Galicia Amor, Nadia Hernández Lopez, Rocío Sánchez Santillán, Ilse Pérez Gracia, Angelia Jiménez Valentín, Mildred De La Concha Duarte, Luz Jimenez Gallardo, Lizeth Castañeda Ordoñez

Pulmonary artery pseudoaneurysms (PAPs) in Hughes-Stovin syndrome (HSS) a new emerging concept with potential fatal disease course.

Catherine Joy Tubig (Quezon city, Philippines), Sherwina Juljani, Ma. Encarnita Limpin, Ma. Paz Mateo, Fernando Ayuyao

Alpha-1 antitrypsin Pi*SS genotype and risk of pulmonary disease. An EARCO Research project

Teresa Martín Rioja (Lisboa, Portugal), Catarina Guimarães, Cristina Esquinas, Maria Torres, Maria Sucena, Marc Miravittles

Long-term follow-up of Pi*ZZ alpha-1 antitrypsin deficient patients receiving intravenous alpha-1 antitrypsin augmentation therapy

Suzanne Roche (Dublin, Ireland), Daniel D Fraughen, Malcom Herron, Ronan Heeney, Lameese Alhaddah, Emma Leacy, Lasya Kanchi, Oliver J McElvaney, Mark P. Murphy, Tomás P Carroll, Cedric Gunaratnam, Noel G McElvaney

Hemoptysis: a retrospective analysis in a tertiary hospital of Greece

Dimitrios Potonos (Ioannina, Greece), Antonia Assioura, Konstantinos Exarchos, Antigoni Simou, Christina Aggelopoulou, Christos Kyriakopoulos, Evgenia Salla, Christos Chronis, Konstantinos Tatsis, Athanasios Konstantinidis, Athena Gogali, Konstantinos Kostikas

Impact of thrombomodulin on mortality in hospitalized patients with COVID-19: A cohort-study

LUZ MAGDALY JIMENEZ GALLARDO (Tlalpan, Mexico), Rocío Sánchez-Santillán, Arturo Orea-Tejeda, Dulce Gonzalez-Islas, Alvaro Montañez-Orozco, Arturo Rodríguez, Dalia Domínguez-Moya, Guiedani Bautista-Galván, Benigno Valderrábano-Salas, Pedro Carranza-Muñoz, Nadia Hernández-López, Ilse Pérez-García, Angelia Jimenez-Valentín, Mildred De La Concha-Duarte, Adrián Rosas-Trujillo, Dennis Soler-Montalvo, Laura Flores-Cisneros, Rufina Gallardo-Reyes

What is the accuracy of pre-operative staging in identifying patients with single station N2 disease?

Janet Johnston (Manchester, United Kingdom), Christopher Craig, Patrick Goodley, Matthew Evison, Paul Bishop, Sarah Upperton, Matthew Callister, David Meek, Laura Succony, Wadood Parvez, Muhammad Tufail, John Maclay, Jayasekera Geeshath, Ian Woolhouse, Alana Livesey

Prevalence of Metabolic Syndrome in Covid-19 patients after 60 days-hospital discharge

Robson Prudente (Botucatu (SP), Brazil), Mariana Dorna, Marcelo Lorena, Flavia Silva, Larissa Pacielo, Raissa Toledo, Luiz Machado, Estefania Franco, Luis Brizola, Maercio Santos, Edris Savadkouhi, Camila Colombo, Suzana Tanni

The impact of comorbidities contributing to QT prolongation in respiratory patients admitted to hospital

Aditya Adhikarla (Manchester, United Kingdom), Fortune Kwushue, Benjamin Allison, Andras Bikov

Management of hemoptysis in a pneumology department

Nemsi Ella (Tunis, Tunisia), Ben Jemai Emna, Chaabi Khouloud, Ben Attig Yosra, Khedhri Manel, Ben Amar Jihene, Boudaya Saddok, Zaibi Haifa, Aouina Hichem

PS-8 in poster area

Session

16:00 - 17:30

Poster session: Clinical aspects in asthma

Disease(s) : **Airway diseases**

Method(s) : Epidemiology General respiratory patient care Public health Pulmonary function testing Physiology Pulmonary rehabilitation

Chairs : Pavol Pobeha (Košice, Slovakia), Antonio Spanevello (Milano, Italy)

Sensitivity and Specificity of the 2022 European Respiratory Society (ERS) Guidelines for the Diagnosis of Asthma in Adults

Andrew Simpson (Hull, United Kingdom), Sarah Drake, Ran Wang, Laura Healy, Hannah Wardman, Miriam Bennett, Clare S Murray, Stephen J Fowler, Angela Simpson

Medical care access and asthma-related hospitalization

Yossr Aloulou (Manouba, Tunisia), Hana Blibech, Houda Snene, Marwa Bougacha, Rym Cheour, Amal Zemzemi, Nadia Mehiri, Sameh Belhadj, Nozha Ben Salah, Bechir Louzir

Impact of protocolised care on difficult-to-treat asthma outcomes

Nicole Yu-Fang Sieow (Singapore, Singapore), Kundan Saripalli, Yiong Huak Chan, Wilson Chan, Anthony Yii, Xue Ning Choo, Tunn Ren Tay

Asthma frequent fliers: phenotypes, endotypes and current hospital healthcare utilisation – can we do better?

Charlotte Buchalter (Hertfordshire, United Kingdom), Rama Vancheeswaran

Longitudinal lung function trajectories in adults with severe asthma.

Samuel Wallbanks (BIRMINGHAM, United Kingdom), Maximillian Thomas, Julie Marsh, Brendan Cooper, Ali Bahron, Adel Mansur

Does a normal symptom score for asthma exclude abnormal airway resistance in mildly symptomatic asthma Patients?

Ilgin Vardaloglu (Istanbul, Turkey), Mert Karatas, Bilun Gemicioglu

Relation of changes in PEF and FEV1 in exercise challenge in children

Leon Csonka (Tampere, Finland), Antti Tikkakoski, Jussi Karjalainen, Lauri Lehtimäki

Internal consistency reliability of the VCDQ for Inducible Laryngeal Obstruction

Siobhan Ludlow (Cheshire, United Kingdom), Bethany Tidmarsh, Charles Pantin, Stephen Fowler

Respiratory muscle strength investigation in asthma patients with post-COVID-19 syndrome and significant dyspnea

Svitlana Opimakh (Kyiv, Ukraine), Galyna Gumeniuk, Maryna Polianska, Viktoria Ignatieva, Inna Zvol, Svitlana Moskalenko, Nataliia Vlasova, Iryna Chumak, Liudmyla Halai

Identifying undiagnosed asthma in symptomatic adults with normal pre- and post-bronchodilator spirometry

Sheojung Shin (Ottawa, Canada), George Whitmore, Louis-Philippe Boulet, Marie-Eve Boulay, Andréanne Côté, Céline Bergeron, Catherine Lemièrre, M. Diane Lougheed, Katherine L Vandemheen, Gonazlo Alvarez, Sunita Mulpuru, Shawn Aaron

The impact of time-of-day on the diagnostic performance of tests for asthma

Ran Wang (Manchester (Greater Manchester), United Kingdom), Stephen Fowler, Robert Maidstone, Laura Healy, Sarah Drake, Lesley Lowe, Angela Simpson, Clare Murray, Hannah Durrington

Impact on clinical practice of the ERS/ATS 2022 recommendation on defining bronchodilator response.

Monique Hardy (Roermond, Netherlands), Martijn Cuijpers, Herman-Jan Pennings

The control of asthma in association with body mass index and the age of asthma onset

Vladyslava Kachkovska (Sumy, Ukraine)

Difference between spirometry and oscillometry in detecting bronchodilator response in asthma.

Lotte Bult (Rotterdam, Netherlands), A Roos, G J Braunstahl, J C C M In 't Veen

Characterization of the patients attended in the Emergency Room due to asthmatic exacerbation

Daniel Enrique Vega Lizarazo (Malaga, Spain), Javier López, Alvaro Martinez, Eva Cabrera, María Carmen Fernández, José Luis Velasco

Effectiveness of a comprehensive pulmonary rehabilitation program in difficult to treat bronchial asthma

Nicoletta R. Morelli (Den Haag, Netherlands), Eline Bij De Vaate, Peter Klijn

Financial incentives to improve asthma management: a systematic review

Jasmine Hine (London, United Kingdom), Bohee Lee, Andy Bush, Anna Desimoni, Chris Griffiths, Gaby Judah, Louise Fleming

Impact of socio-economic status on asthma control and therapeutic compliance in the Tunisian population

Hana Dhifallah (Ariana, Tunisia), Houda Rouis, Chirine Moussa, Donia Jridi, Chaima Turki, Oumayma Aggouni, Ibtihel Khouaja, Ines Zendah, Sonia Maalej

Work-related asthma and occupational asthma: what are the differences?

Siwar Chemingui (Nabeul, Tunisia), Meriem Mersni, Imen Youssef, Nidhal Balloumi, Najla Mechergui, Hanene Ben Said, Ghada Bahri, Souraya Fenniche, Nizar Ladhari

CONNECT3: design and rationale for a study of the BF Digihaler System in adult patients with asthma

Nawar Diar Bakerly (Salford (Lancashire), United Kingdom), Richard Costello, Job F.M. Van Boven, Jennifer K. Quint, Janwillem Kocks, Randall Brown, Guilherme Safioti

PS-13 in poster area**Session****16:00 - 17:30****Poster session: Effects of CFTR modulator therapy in cystic fibrosis****Disease(s) :** Airway diseases

Method(s) : General respiratory patient care Imaging Pulmonary function testing Surgery Physiology Epidemiology Cell and molecular biology Transplantation

Chairs : Stojka Fustik (Skopje, North Macedonia), Chair to be confirmed

Cystic fibrosis transmembrane conductance regulator (CFTR) modulator therapy (ETI) for one-year and changes in chronic rhinosinusitis in people with cystic fibrosis (pwCF)

Shahid Sheikh (Columbus, United States), Mai-Lan Ho, Mariah Eisner, Courtney Gushue, Grace Paul, Karen McCoy, Meredith Lind

Impact of Kaftrio on exercise capacity in children with Cystic Fibrosis

Molla Imaduddin Ahmed (Leicester (Leicestershire), United Kingdom), Natalie Blyth, Joe Madge, Erol Gaillard

Cystic fibrosis transmembrane regulator modulator therapies effect on liver function in Bulgarian patients

Dilyana Petkova (Sofia, Bulgaria), Mila Baycheva, V Petkova, Vera Papochieva, Kristin Genkova, Yana Andonova, Ivaylo Nikolov, Polina Shahid, Dimitrinka Miteva, Guergana Petrova

Evaluation of the impact of cystic fibrosis modifier therapies on liver function in children and young adults

Sophie Hodgson (Glasgow, United Kingdom), Lyndsay Kennedy, Anne Devenny, Susan Kafka, Louise Thomson, Jane Davis

Modulatory therapy experience in patients with cystic fibrosis in Turkey: A multi-center study

Pinar Ergenekon (Istanbul, Turkey), Ela Erdem Eralp, Ayse Ayzit Kilinc Sakalli, Muruvvet Yanaz, Azer Kilic Baskan, Aynur Gulieva, Sevgi Pekcan, Salih Uytun, Erkan Cakir, Bulent Karadag, Pelin Asfuroglu, Erdem Basaran, Velat Sen, Fazilet Karakoc, Esen Demir, Veysel Karakulak, Sedat Oktem, Zeynep Seda Uyan, Yasemin Gokdemir

Correlations between in-vitro and clinical drug response to CFTR modulators

Felix Ratjen (Toronto (ON), Canada), Sanja Stanojevic, Tarini Gunawardena, Theo Moraes, Tanja Gonska, Paul Eckford, Christine Bear

Exercise tolerance in cystic fibrosis patients treated with elexacaftor/tezacaftor/ivacaftor

Lovro Hrvoić (Zagreb, Croatia), Ivan Bambir, Lana Omerza, Ivana Todorić, Ivona Markelić, Andrea Vukić Dugac, Duška Tješić-Drinković

CFTR modulators modify exhaled breath of children with cystic fibrosis within a week.

Emmanuelle Bardin (Paris, France), Nicolas Hunzinger, Elodie Lamy, Bingqing Zhou, Natasha Remus, Laurence Le Clainche Viala, Philippe Devillier, Frederique Chedevergne, Stanislas Grassin Delyle, Isabelle Sermet-Gaudelus

Fraction of exhaled nitric oxide increases in children treated with elexacaftor-tezacaftor-ivacaftor

Isaac Martin (Toronto, Canada), Felix Ratjen, Hartmut Grasmann

Nutritional status of cystic fibrosis patients under CFTR modulators therapy - a 6 months experience

Mihaela Dediu (Timisoara, Romania), Diana Popin, Liviu Laurentiu Pop, Ioana Mihaela Ciuca

Impact of elexacaftor/tezacaftor/ivacaftor on chronic rhinosinusitis in children with cystic fibrosis.

Beatrice Della Gatta (Torino, Italy), Lucia Ronco, Federica Peradotto, Elisabetta Bignamini

Description of the variations in airway colonization in patients with cystic fibrosis in treatment with the combination of Ivacaftor, Tezacaftor and Elexacaftor (ITE)

Jonathan Benito Patón (Valencia, Spain), Sergio Iniesta González, Claudia López Pavía, Teresa Pérez Sanz, Lucía González Álvarez, Jose Vicente Arcos Machancoses, Elena Crehuá Gaudiza, Silvia Castillo Corullón

Improved bone mineral density following highly effective CFTR modulator treatment in children and young adults with cystic fibrosis

Jasna Rodman Berlot (Ljubljana, Slovenia), Darja Šmigoc Schweiger, Malena Aldeco, Dušanka Lepej, Marina Praprotnik, Gaja Setnikar Kimovec, Saša Šetina Šmid, Aleksandra Zver, Uroš Krivec

The long-term respiratory effect of Elexacaftor/Tezacaftor/Ivacaftor in people with cystic fibrosis

Mohamad Hadhud (Jerusalem, Israel), Joel Reiter, Alex Gileles-Hillel, Ido Sadras, Eitan Kerem, Malena Cohen-Cyberknoh, Oded Breuer

CFTR-modulator therapy effect assessed by CT and MBW in infants and toddlers with CF

Rikke Mulvad Sandvik (Hørsholm, Denmark), Yuxin Chen, Marianne Skov, Frederik Buchvald, Lotte Borgwardt, Tacjana Pressler, Harm Tiddens, Kim Nielsen

Possible founder effect and prevalence of the p.Cys1400Ter pathogenic CFTR mutation in Cyprus

Pinelopi Anagnostopoulou (Nicosia, Cyprus), Pavlos Fanis, Panayiotis Kouis, Phivos Ioannou, Constantina Costi, Andreas Matthaïou, Tonia Adamidi, Leonidas Phylaktou, Vassos Neocleous, Panayiotis Yiallourous

Late Breaking Abstract - Infertility among adults with primary ciliary dyskinesia

Leonie Daria Schreck (Bern, Switzerland), Eva Sophie Lunde Pedersen, Yin Ting Lam, Katie Dexter, Michele Manion, Sophie Christin-Maitre, Nathalie Massin, Bernard Maitre, Myrofora Goutaki, Claudia E Kuehni

Late Breaking Abstract - Epidemiology, clinical features and disease severity in pediatric patients with COVID-19 in maternal and children's central hospital in Batumi, Georgia

Tamar Bakhtadze (Batumi, Georgia), Vakhtang Beridze, Veriko Takidze

17:30-19:00

INDUSTRY EVENING MINI SYMPOSIUM

SEE PAGE 1

17:30-19:00

INDUSTRY EVENING SYMPOSIUM

SEE PAGE 1

07:15-08:15

INDUSTRY EARLY MORNING SYMPOSIUM

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Amber 3+4

Session

08:00 - 10:40

Skills workshop: SW13 Thoracic ultrasound basic principles

Aims : To describe the current use of thoracic ultrasound and to provide participants with the opportunity to perform this technique using training models, simulators, volunteers and patients.

Disease(s) : Thoracic oncology Interstitial lung diseases

Method(s) : Imaging General respiratory patient care

Tag(s) : Clinical

Target audience : Radiologist, Thoracic surgeon, Adult pulmonologist/Clinician, Clinical researcher, Respiratory critical care physician, Physician in Pulmonary Training

Chairs : Christian B. Laursen (Odense, Denmark)

08:00	Introduction Christian B. Laursen (Odense, Denmark)
08:20	Normal Thoracic Cavity Helen Medill (Bristol (Avon), United Kingdom), Casper Falster (Odense, Denmark)
08:20	Pleural effusion and/or pleural thickening Gilles Mangiapan (Creteil, France), Pia Iben Pietersen (Odense C, Denmark)
08:20	Case studies Najib M. Rahman (ABINGDON, United Kingdom)
08:20	Guided interventions Søren Helbo Skaarup (Aarhus C, Denmark), Rahul Bhatnagar (Bristol, United Kingdom)

Amber 1+2

Session

08:00 - 10:20

Skills workshop: SW10 Clinical-radiological-pathological correlation in pulmonary hypertension

Aims : to develop a systematic approach to interpretation of radiological investigations (with a focus on computed tomography) in patients with suspected pulmonary hypertension (PH); to provide practical experience in performing and interpreting echocardiography in patients with PH; to improve knowledge and understanding of pathological changes associated with PH; to improve skills in integrating clinical, radiological and right heart catheter data to enable the correct diagnosis of patients with suspected PH.

Disease(s) : Pulmonary vascular diseases

Method(s) : Imaging

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Pathologist, Physician in Pulmonary Training, Radiologist

Chairs : Robin Condliffe (Sheffield (South Yorkshire), United Kingdom)

08:00	Introduction
08:00	Radiological assessment of pulmonary hypertension Deepa Gopalan (LONDON, United Kingdom)
08:00	Pathological assessment of pulmonary hypertension Peter Dorfmueller (Le Plessis-Robinson, France)
08:00	Echocardiography in pulmonary hypertension Marielle van de Veerdonk (Amsterdam, Netherlands), Abdul Hameed (Sheffield (South Yorkshire), United Kingdom)
08:00	Clinical assessment of pulmonary hypertension Robin Condliffe (Sheffield (South Yorkshire), United Kingdom)

08:00-08:45

INDUSTRY SKILLS LAB WORKSHOP

SEE PAGE 1

PS-3 in poster area

Session

08:00 - 09:30

Poster session: Supporting patients with acute respiratory failure: new insight in acute non-invasive ventilation and high-flow nasal therapy**Disease(s) :** Airway diseases Respiratory critical care Sleep and breathing disorders Interstitial lung diseases**Method(s) :** General respiratory patient care Respiratory intensive care Palliative care Physiology**Chairs :** Chair to be confirmed**Efficacy and safety of high flow nasal oxygen therapy compared to conventional oxygen therapy in postoperative pulmonary complications: a systematic review and metaanalysis**

Jonni Fay Teves (Quezon City, Philippines), Noreen Ada Mangugan, Joann Kathleen Garcia

Ratio of oxygen saturation index and outcomes of high flow oxygen in post-extubated patients: a cohort study

Thiti Sricharoenchai (Bangkok, Thailand), Metanee Songrin

Systematic review of high-flow noninvasive support (HF) for respiratory failure (RF): identifying sources of survival variation with meta-regression.

Daniel Black (Chermside, Queensland, Australia), Liliana Black, Simon Black

The reverse flow in upper airways during asymmetrical nasal high flow ventilation

Natalia Kabaliuk (Christchurch, New Zealand), Zane Goggin, Stanislav Tatkov

The effect of the asymmetrical Optiflow nasal cannula on aerosol performance

Elena Fernández Fernández (Galway, Ireland), Marc Mac Giolla Eain, Mary Joyce, Ronan Mac Loughlin

Effective flow rates and decarboxylation differs between nasal high-flow devices

Jens Bräunlich (Leipzig, Germany), Hubert Wirtz

Nosocomial Pneumoniae in Patients with SARS-CoV-2 ARDS undergoing NIV

Federica Olmati (Roma, Italy), Alessandra Oliva, Pia Baiocchi, Angelo Petroianni, Corina Tomsa, Gianluca Paciucci, Flavio Mirabelli, Claudio Maria Mastroianni, Paolo Palange

Determinants of in-hospital mortality in Acute Non-invasive Ventilation (NIV): is door-to-mask time a strong predictor?

Ahmed Alqahtani (Birmingham, United Kingdom), Ellen Snell, Alastair Watson, Pearlene Antoine-Pitterson, Bethany Jones, Biman Chakraborty, Rahul Mukherjee

HACOR SCALE TO PREDICT FAILURE IN NONINVASIVE VENTILATION (NIV): CLINIMETRIC PROPERTIES

Adriana C. Lunardi (São Paulo (SP), Brazil), Matheus Pereira, Kaoany Moreira

Impact of HACOR Score and ROX index on Noninvasive Ventilation Failure in patients with acute hypercapnic respiratory failure

Dhouha Ben Braiek (Sousse, Tunisia), Sourour Bel Haj Youssef, Yosri Ben Ali, Hend Zorgati, Azer Yaacoub, Nadine Boukadida, Arij Hammedi, Rihab Boubtane, Rahma Ben Jazia, Ameni Kacem, Anis Maatallah, Jihene Ayachi

Evaluation of a 'level of dependency withdrawal of NIVs framework' in end-of-life respiratory failure patients.

Mary Lafferty (Sydney, Australia), Mary Dunford, Heidi Green, Alexandra Smith, Caitlin Sheehan, Ritin Fernandez

Conservative oxygen supplementation during helmet CPAP therapy in patients with COVID-19 and respiratory failure: a pilot study

ALESSANDRA IACOVELLI (Bellegra, Italy), Maria Luisa Nicolardi, Valentina Baccolini, Federica Olmati, Ilenia Attilia, Pia Baiocchi, Letizia D'Antoni, Iliaria Menichini, Ambra Migliarini, Daniela Pellegrino, Angelo Petroianni, Daniel Piamonti, Angela Tramontano, Paolo Villari, Paolo Palange

Multicentric study of patients treated outside the intensive care unit with non-invasive respiratory therapies during the first five waves of COVID-19 in the Madrid Area

Daniel López Padilla (Madrid, Spain), Soledad López Martín, Luis Puente Maestú, Silvia Martín Bote, Beatriz Arias Arcos, Ariela Candelaria Cáceres, Elizabeth González Revilla, Roberto Larrosa Barrero, Andrea Albuja Hidalgo, Ana Santiago Recuerda, Ester Zamarrón De Lucas, Carlos Carpio Segura, Enrique Zamora García, Elena García Castillo, Elena Ávalos Pérez-Urria, María Teresa Ramírez Prieto, José Andrés García Romero De Tejada, Raúl Moreno Zabaleta

Mortality in admitted patients with ILD and respiratory failure: Observational analysis

Sameen Toor (Leicester, United Kingdom), Rachel Munding, Felix Woodhead, Padmavathi Parthasarathy, Syed Geelani, Hassan Choudry, Charlotte Swales

Nasal High Flow Therapy (NHFT) for Acute Respiratory Failure (ARF) in Interstitial Lung Disease (ILD) patients

Cindy Eng (Leeds, United Kingdom), Shan Liung Liew, Laura Horgan, Muthu Thirumaran, Akshay Dwarakanath

Use of UCL Ventura (Wayrachi) device as CPAP or HFNC in patients with severe respiratory failure due to COVID 19 pneumonia

Cecilia Lucía Pérez Muñante (Lima, Peru), Edwin Hernando Herrera Flores, Mario Daniel Danilla Dávila, Shanery Norma Gonzáles Vargas, Tatiana Luz Mirella Coba Taboada, Nancy Pamela Tapia Mantilla, Marco Ricardo Pérez Valencia

Audit of NIV Settings Initiation in Acute Hypercapnic Respiratory Failure

Ghulam Haider Khan (Westmalling, United Kingdom)

High flow nasal cannula and non-invasive ventilation for patients with COVID-19

David Shu Cheong Hui (Shatin, Hong Kong), Louise Yung, Ken Chan, Susanna Ng, Grace Lui, Fanny Ko, Tat On Chan, Karen Yiu, Matthew Chan, Hui Ling Yen

High intensity non invasive ventilation in management of acute hypercapnic respiratory failure of COPD

Khaled Hussein (Assiut, Egypt), Samiaa Hamdy, Ahmed Hamed, Maha Eissa

Inhaled delivery of nezulcitinib with nasal high-flow oxygen in healthy participants

Nathan Pfeifer (MONTARA, United States), Wayne Yates, Rajeev Saggat, Ed Moran, David Bourdet

PS-9 in poster area**Session****08:00 - 09:30****Poster session: Clinical aspects in chronic obstructive pulmonary disease****Disease(s) :** **Airway diseases****Method(s) :** General respiratory patient care Epidemiology Imaging Pulmonary function testing Public health Pulmonary rehabilitation Physiology**Chairs :** Pavol Pobeha (Košice, Slovakia), Mona Bafadhel (London, United Kingdom)**Prognostic value of the GOLD 2023 classification system.**

Kristian Brat (Brno, Czech Republic), Michal Svoboda, Jaromir Zatloukal, Marek Plutinsky, Eva Volakova, Patrice Popelkova, Barbora Novotna, Tomas Dvorak, Vladimir Kobizek

The joint effect of different diet styles on mortality in chronic obstructive pulmonary disease

Jiun-Long Wang (Taichung, Taiwan), Yi-Ting Tsai, Chia-Lin Lee

The CCQgraphic: a solution for patients with COPD with adequate or limited health literacy.

Erlin Tiel Groenestege (Willemstad, Curaçao), Bea Sloothaak, Iris Van Geer, Aimee Van De Maat, Naomi Coenraad, Ellen Van Heijst, Natascha Huijzer-Van Reenen, Kaying Kan, Marjan Kerkhof, Cindy Lentjes, Thys Van Der Molen, Maret Zonneveld, Johannes In 't Veen, Janwillem Kocks

CT indices of airway wall thickness in chronic bronchitis, COPD and healthy controls

Huai Chen (Guangzhou, China), Hongjia Meng, Tingting Xia, Xuefei Li, Tiantian Liu, Sarah Lee, Chenjuan Gu, Shuling Hu, Nanshan Zhong, Paul Jones

Dynapenia and sarcopenia are two different phenotypes in patients with COPD: a prospective cohort study

Shih-Yu Chen (Hsinchu, Taiwan), Jung-Yien Chien, Chong-Jen Yu

Anxiety and depression in Chronic Obstructive Pulmonary Disease: a systematic review and meta-analysis

Alina Miah (READING, United Kingdom), Ruihua Hou

Initial findings from two US-based early COPD cohorts: MAP COPD and SOURCE

Wassim Labaki (Ann Arbor, United States), Catherine A. Meldrum, Susan Murray, Craig J. Galban, Ella A. Kazerooni, R. Graham Barr, Igor Barjaktarevic, Russell P. Bowler, Alejandro P. Comellas, Christopher B. Cooper, David J. Couper, Gerard J. Criner, Mark T. Dransfield, Nadia N. Hansel, Eric A. Hoffman, Jerry A. Krishnan, Robert Paine III, Stephen P. Peters, Prescott G. Woodruff, Jeffrey L. Curtis, Fernando J. Martinez, Meilan K. Han

AI-text mining for the identification of informative COPD subtypes

Florent Baty (St. Gallen, Switzerland), Laura Rechsteiner, Martin Brutsche

Distance covered in the six-minute walk test in COPD patients as a predictor of mortality: A cohort study

Audrey Borghi Silva (São Carlos (SP), Brazil), MURILO OLIVEIRA, Izadora Dourado, Cássia Goulart, Patrícia Camargo, Renata Mendes, Audrey Borghi-Silva

The importance of image standardization through kernel conversion of COPD in a multicenter cohort

Mira Cho (Seoul, Republic of Korea), Youlim Kim, Hyun Lee, Seong Yong Lim, Jae Jeong Shim, Ki Suck Jung, Kum Ju Chae, Kwang Ha Yoo

COPD Virtual Wards offer more than just home comforts

Andrew Barlow (Chalfont St. Giles, United Kingdom), Harry Mitchell, Neel Kapoor, Michael Shaw, Eleanor Zinkin, Rahul Mogal, Ajitha Jayaratnam, Jonathan Phimister, Maria Buxton, Hannah O'Keeffe, Niall Keenan, Dominique Auger, Michael Van Der Watt

Characterising radiological abnormalities in early COPD

Andrew Ritchie (London, United Kingdom), Gavin Donaldson, Eric Hoffman, James Allinson, Chloe Bloom, Charlotte Bolton, Aaron Braddy-Green, Gourab Choudhury, Sarah Gerard, Junfeng Guo, Luana Alves-Moreira, Lorcan McGarvey, Elizabeth Sapey, Rob Stockley, Dave Singh, Tom Wilkinson, Malin Fageras, Kristoffer Ostridge, Olaf Joens, Enrica Bucchioni, Chris Compton, Paul Jones, Karen Mezzi, Jorgen Vestbo, Peter Calverley, Jadwiga Wedzicha

COPD Assessment Test (CAT) Score according to the presence/absence of accelerated lung function decline in young adult smokers with normal FEV1

Aaron Braddy-Green (LONDON, United Kingdom), Andrew I Ritchie, Jordina Mah, Dexter J Wiseman, Mairi A Macleod, James P Allinson, Gavin C Donaldson, Chloe Bloom, Charlotte Bolton, Gourab Choudhury, Luana Alves-Moreira, Lorcan McGarvey, Elizabeth Sapey, Robert Stockley, Dave Singh, Tom Wilkinson, Malin Fageras, Kristoffer Ostridge, Olaf Jons, Enrica Bucchioni, Chris Compton, Paul Jones, Karen Mezzi, Jorgen Vestbo, Peter Ma Calverley, Jadwiga A Wedzicha

Etiotypes of persistent airflow obstruction in the general population in different age bins

Marie Grasl (Wien, Austria), Alvar Agusti, Caspar Schiffrers, Owat Sunanta, Marie-Kathrin Breyer, Sylvia Hartl, Robab Breyer-Kohansal

Validation of the Smart Air spirometer and screening for chronic obstructive pulmonary disease

Abir Bouhamdi (Fez, Morocco), Nassiba Bahra, Yassine Chefchaou, Rajae Amiali, Btissam Essabahi, Mounia* Serraj, Mohamed Chakib Benjelloun, Karima Elghazi, Bouchra Amara, Mohamed Elbiaz

Differences in drinking habits and educational level in men with and without COPD in a Danish rural population

Line Bjerrehave Nielsen (Aalborg, Denmark), Signe Juul Riddersholm, Ulla Møller Weinreich

Do social determinants of health and inequality in health influence the severity of chronic obstructive pulmonary disease?

Salih Yigit (Izmir, Turkey), Oguz Kilinc, Ahmet Naci Emecen, Bulent Kilic

CAT versus mMRC to allocate COPD patients to clinically relevant phenotypes identified using Classification and Regression Trees

Nicolas Roche (Paris, France), El-Hassane Ouailaya, Jean-Louis Paillasseur, Pierre-Régis Burgel

Preserved ratio but impaired spirometry (PRISm): Are these subjects different?

Lancelot Pinto (Montréal (QC), Canada), Ashwini Chawhan, Dhara Thakrar, Trupti Mane

Detection of and factors influencing medication adherence in patients with severe COPD

Maximilian Wollsching-Strobel (Köln, Germany), Anna Werner, Doreen Kroppen, Daniel Majorski, Friederike Magnet, Melanie Berger, Tim Mathes, Sarah Schwarz, Wolfram Windisch

PS-5 in poster area**Session****08:00 - 09:30****Poster session: Inflammatory endotyping: the macrophage across disease areas**

Disease(s) : Airway diseases Interstitial lung diseases Thoracic oncology Respiratory critical care

Method(s) : Cell and molecular biology General respiratory patient care Pulmonary function testing Endoscopy and interventional pulmonology Epidemiology Public health Respiratory intensive care

Chairs : Niki L. Reynaert (Maastricht, Netherlands)

LSC - 2023 - Transcriptomic analysis suggests susceptibility to lung diseases post Sars-Cov-2 infection

Deepesh Dhakad (Munich, Germany), Theodore S Kapellos, Gregor Ebert, Thomas M Conlon, Ali Önder Yildirim

Peripheral blood monocyte count and outcomes in patients with interstitial lung disease: A systematic review and meta-analysis

Bohyung Min (Calgary, Canada), Amanda Grant-Orser, Kerri Johansson

Altered cholesterol metabolic pathways in macrophages contribute to granuloma formation in progressive sarcoidosis

Clarice Lim (Vienna, Austria), Anna Redl, Ram Vinay Padey, Markus Hengstschläger, Georg Stary, Thomas Weichhart

Anthraxis particulate matter causes changes in macrophages inflammatory response and in expression of genes related to xenobiotics metabolism in co-culture of macrophages with BEAS-2B airway cells

Daniela Perroni Frias (São Paulo (SP), Brazil), Gabriela Lima Vieira, Juliana Smelan, João Paulo Amorim De Lacerda, Thais Mauad, Marisa Dolhnikoff, Mariangela Macchione

Macrophages and their Stress Response – Environmental Triggers of Respiratory Diseases

Edith Katharina Plucinski (Hannover, Germany), Jan-Christopher Kamp, Jamie Soto, Xutong Sun, Stephen Black, Tobias Welte, Marius Hoeper, Danny David Jonigk, Mark Kühnel

Reduction of macrophage-derived Galectin3-extracellular vesicles as a potential therapeutic target for Idiopathic Pulmonary Fibrosis

Maria Conti (Padova, Italy), Nicol Bernardinello, Alvis Casara, Nadia Freato, Laura Bertocchi, Tommaso Neri, Alessandro Celi, Paolo Spagnolo, Marina Saetta, Manuel G. Cosio, Erica Bazzan

Population pharmacokinetic (pop-PK) model of GB0139 as a tool to characterise the biomarker response in patients with idiopathic pulmonary fibrosis (IPF)

Vassilios Aslanis (Copenhagen, Denmark), Darius Schweinoch, Alison Mackinnon, Nikhil Hirani, Jie Wang-Jairaj, Brigitta Bodák, Anne Kümme

Vimentin serum biomarkers are differentially related to disease progression in idiopathic pulmonary fibrosis (IPF)

Filipa B Simões (Herlev, Denmark), Nils Hoyer, Thomas S Prior, Henrik Jessen, Peder Fredriksen, Morten Karsdal, Diana J Leeming, Elisabeth Bendstrup, Jannie M B Sand, Saher B Shaker

 β -glucan enhances LPS-induced acute lung injury via alveolar macrophages reprogramming

Renaud Prével (Bordeaux, France), Erwan Pernet, Sadek Abderrahmane, Shradha Wali, Kim Tran, Mina Sadeghi, Renata Sindeaux, Leonardo Jurado, Jérémie Poschmann, Maziar Divangahi

Micheliolide exerts immunomodulatory effect by reducing Oxidative Stress-Induced mitochondrial dysfunction in acute lung injury

WenHan Li (guangzhou, China), Ying Meng

MAIT cells contribute to protection against bleomycin-induced lung tissue damage by promoting monocyte differentiation into type 1 conventional dendritic cells

Xiawei Zhang (Headington, Oxford, United Kingdom), Shuailin Li, Wojciech Lason, Sophie Morgan, Paul Klennerman, Timothy Hinks

PPAR γ inhibits small airway remodeling through mediating the polarization homeostasis of alveolar macrophages in COPD

Dan Wang (Chongqing, China)

Alveolar macrophage carbon is associated with COPD severity.

James Baker (MANCHESTER, United Kingdom), Sophie Booth, Josiah Dungwa, Andrew Higham, Dave Singh, Simon Lea

Profiling inflammatory cell populations in endobronchial biopsies from patients with asthma COPD overlap (ACO)

Wenying Lu (Newnham, Australia), Surajit Dey, Archana Vijay Gaikwad, Prem Bhattarai, Josie Larby, Collin Chia, Greg Haug, Heinrich C. Weber, Sally Young, Pabuddha S. Pathinayake, Peter A.B. Wark, Mathew Suji Eapen, Sukhwinder Singh Sohal

LSC - 2023 - Clinical significance of macrophage-lymphocyte rosettes(MLRos) formation in patients with bronchial asthma(BA)

Tamar Saralidze (Tbilisi, Georgia), Tamari Svanidze, Marina Noniashvili, Medea Jgarkava

Bedaquiline is effective in the treatment of Mycobacterium abscessus complex infection

Wei-Chang Huang (Taichung, Taiwan), Yi-Wen Huang, Chiou-Ying Yang, Hui-Chen Chen

Late Breaking Abstract - The Distinct Role of Itaconate in the Activation of Bone Marrow-derived Macrophages and Tissue-resident Alveolar Macrophages

Feilong Wang (Shanghai, China), Mengtian Shan, Linyu Ran, Huimin Wan, Quan Zhou, Shengjie Deng, Zhongliang Guo

Late Breaking Abstract - Large scale phenotyping of long COVID inflammation reveals mechanistic subtypes of disease.

Felicity Liew (London, United Kingdom), Claudia Efstathiou, Sara Fontanella, William Greenhalf, Matthew Richardson, Ruth Saunders, Rachael A. Evans, Louise V. Wain, Christopher Brightling, Lance Turtle, Ryan S. Thwaites, Peter J.M. Openshaw

Dysbiosis of lung commensal microbiota suppressed the progression of lung adenocarcinoma via spp1+ macrophages

jia jing (Chengdu, China), Hou Wang, Li Shiyue

Identifying the common denominator: Dectin-1 as a promising marker for macrophage modulation in lung cancer and fibrosis

Safaa Naiel (Burlington, Canada), Anna Dvorkin-Gheva, Megan Vierhout, Anmar Ayaub, Takuma Isshiki, Pareesa Ali, Spencer Revill, Amir Reihani, Pavithra Parthasarthy, Hemisha Patel, Ashgar Naqvi, Martin Kolb, Kjetil Ask

PS-11 in poster area

Session

08:00 - 09:30

Poster session: Environment, occupation, and lung diseases

Disease(s) : Interstitial lung diseases Airway diseases Pulmonary vascular diseases

Method(s) : Cell and molecular biology Public health Epidemiology General respiratory patient care Imaging Pulmonary function testing Physiology

Chairs : Christopher C. Huntley (Bromsgrove, United Kingdom), Benoit Nemery (Leuven, Belgium)

Outcome of artificial stone silicosis in an Italian cluster of patients

Paola Mason (Padova (PD), Italy), Marco Biasioli, Filippo Liviero, Piero Maestrelli, Stefania Vio

Silicosis in rutilated quartz miners in Brazil

Lavinia Clara Del Roio (São Paulo (SP), Brazil), Jefferson Benedito Pires De Freitas, Rafael Futoshi Mizutani, Gustavo Corrêa De Almeida, Mario Terra-Filho, Ubiratan De Paula Santos

Occupational trends in asbestos-related pleural disease (ARPD): data from the SWORD scheme

Ruth Wiggans (Manchester (Greater Manchester), United Kingdom), Rheanna Pereira, Laura Byrne, Ireny Y. K. Iskandar, Melanie Carder, Christopher Barber, Martie Van Tongeren

Asbestos exposure, a cause of pleuroparenchymal fibroelastosis (PPFE)?

Christopher C. Huntley (Bromsgrove, United Kingdom), Sherwood Burge, Alastair Robertson, Madava Djeraman, John Reynolds, Gareth Walters

Decrease of DLCO and VC is associated with asbestos-related changes on TCT

Alexandra Marita Preisser (Hamburg, Germany), Lennart Ströker, Kersten Peldschus, Robert Herold, Volker Harth

The Nintedanib in Progressive Pneumoconiosis Study (NiPPs): early data from Australia.

Aruvi Thiruvarduchelvan (Lidcombe, Australia), Louise Hart-Brown, Mark Bloch, Deborah Yates

RELATIONSHIP BETWEEN AIR POLLUTION IN COMUNIDAD DE MADRID AND THE DEVELOPMENT OF CHRONIC RESPIRATORY FAILURE IN PATIENTS WITH IDIOPATHIC PULMONARY FIBROSIS

Pablo Mariscal Aguilar (Madrid, Spain), Luis Gómez Carrera, Cristina Mariscal Aguilar, Carlos Carpio, Ester Zamarrón, Daniela Alloca, Isabel Esteban, María Fernández-Velilla, Gema Bonilla, Isabel Esteban, Rita Regojo, Concepción Prados, Rodolfo Álvarez-Sala

Potential biomarkers for the diagnosis of patients with fibrotic hypersensitivity pneumonitis

Silvia Sánchez-Díez (Barcelona, Spain), Xavier Muñoz, David Espejo, Susana Gómez-Ollés, Iñigo Ojanguren, Christian Romero-Mesones, María-Jesús Cruz

Exposure to mould in dwellings and respiratory/allergic/systemic symptoms in Italian children

Sara Maio (Pisa (PI), Italy), Giuseppe Sarno, Sandra Baldacci, Anna Angino, Iliaria Stanisci, Sofia Tagliaferro, Patrizia Silvi, Giovanni Viegi

Lung function, mercury exposure and chronic mountain sickness in gold miners at 5100m

Ahmet Sevik (Zuerich, Switzerland), Dominic Gilliland, Renaud Persoons, Benoit Champigneulle, Julien Brugniaux, Samuel Verges, Michael Furian

Effects of hypobaric hypoxia on workers in a ski resort

Pedro José Romero Palacios (Peligros, Spain), Bernardino Alcázar Navarrete, Antonio Luis Arrebola Moreno, Juan Antonio Holgado Terriza, María Wenceslao Puya Pérez

Lung deposition patterns of anthracosis is related to air pollution environment by geolocalization in a temporal manner

Maria Julia Faci do Marco (Ribeirão Preto (SP), Brazil), Sabrina Setembre Batah, Heloisa Acurcio Zimermam, Mateus Magalhães Lage Moraes, Alexandre Todorovic Fabro

Soot particles induce cytotoxicity, oxidative stress and inflammatory responses in structural lung cells linked to adverse health effects from exposure to polluted air.

Anna-Karin Larsson-Callerfelt (Lund, Sweden), Nilofar Faruqui, Sofie Orell, Jenny Rissler, Camilla Dondi, Konstantina Vasilatou, Ian Mudway, Monica Karedal, Michael Shaw

Association between Covid-19 pandemic and shift work: the COVISTRESS online survey

Elvia Giovanna Battaglia (Milano (MI), Italy), Monica Puligheddu, Rosamaria Lecca, Matteo Figorilli, Maria Livia Fantini, Maëlys Clinchamps, Frederic Dutheil, Pierluigi Cocco

Comparison of the immune response of respiratory healthcare workers to booster vaccination against SARS-CoV-2 and to a subsequent viral infection

Imre Barta (Budapest, Hungary), Viktória Szél, Imola Mán, Lilla Lőrinczi, Balázs Antus

Long-term risk of COVID-19 after extreme smoke exposure

Michael J. Abramson (Melbourne (VIC), Australia), Tyler Lane, Matthew Carroll, Brigitte Borg, Tracy Mccaffrey, Caroline Gao, Catherine Smith, David Brown, David Poland, Shantelle Allgood, Jillian Ikin

Exposure to air pollution and respiratory diseases in adults: an innovative multipollutant approach

Sara Maio (Pisa (PI), Italy), Salvatore Fasola, Alessandro Marcon, Anna Angino, Sandra Baldacci, Maria Beatrice Bilò, Roberto Bono, Claudio Gariazzo, Stefania La Grutta, Pierpaolo Marchetti, Pietro Pirina, Giuseppe Sarno, Patrizia Silvi, Camillo Silibello, Giulia Squillacioti, Massimo Stafoggia, Ilaria Stanisci, Sofia Tagliaferro, Giuseppe Verlato, Giovanni Viegi

Clinical and inflammatory profile before and after specific inhalation challenge in individuals with suspected occupational asthma to persulfate salts

MARIA SAEZ LOPEZ, Silvia Sánchez-Diez, Christian Romero Mesones, David Espejo, Iñigo Ojanguren, María Jesús Cruz, Xavier Muñoz

Lung function impairment and COPD in workers from production of chemical materials for construction and engineering

Dragan Mijakoski (Skopje, North Macedonia), Sasho Stoleski, Jordan Minov, Aneta Atanasovska, Dragana Bislimovska, David Zdraveski, Jovanka Karadzinska-Bislimovska

Influence of PM and NO₂ exposure on long-term risk of hospital admissions due to COPD exacerbations in 3 Polish agglomerations

Artur Badyda (Warszawa, Poland), Piotr Dąbrowiecki, Agata Dąbrowiecka, Anna Piórkowska, Andrzej Chciałowski

PS-17 in poster area**Session****08:00 - 09:30****Poster session: New kids on the interstitial lung disease block: COVID-19 and checkpoint inhibitors**

Disease(s) : Interstitial lung diseases Respiratory critical care Thoracic oncology

Method(s) : Epidemiology Imaging Respiratory intensive care General respiratory patient care Pulmonary function testing Cell and molecular biology Pulmonary rehabilitation

Chairs : Veronika Müller (Budapest, Hungary), Raquel Guillamat Prats (Badalona, Spain)

Cytoimmunological pattern of bronchoalveolar lavage in interstitial lung pathology related to post-COVID-syndrome: attempt to assess the predictive significance.

Piotr Kopiński (Kraków, Poland), Grzegorz Przybylski, Ewa Wypasek, Ewelina Wędrowska, Tomasz Wandtke, Tomasz Senderek, Maciej Gagat

Effects of COVID-19 on telomere length and its relationship to pulmonary fibrosis

Alba Mulet Arabi (Valencia, Spain), Jaime Signes-Costa Miñana, Pilar González Cabo, Nora Juciute, Estrella Fernández Fabrellas, José Antonio Rodríguez Portal, José Antonio Ros Lucas, Ada Luz Andreu Rodríguez, Federico Pallardó Calatayud

The inflammatory subtypes and vivo models of checkpoint inhibitor pneumonitis after immunotherapy

Tingyue Luo (Guangzhou, China), Hangming Dong, Shaoxi Cai

Prevalence and Management of Post Covid fibrosis in tertiary care unit – A single centre experience

Sugeesha Wickramasinghe (Kadawath, Sri Lanka), Sharada Gudur, Thomas Southworth, Britney Vernon, Yussef Haider, Timothy Gatheral

Physical exercise in post-COVID patients

Vanesa Vicens Zygmunt (Castelldefels (Barcelona), Spain), Pablo Carrasco, Miquel Berga, Ferran López, Héctor Sanchis-Gilabert, Anna Pulido-Expósito, Mariagna Sampere-Aymerich, Maria Jesús González-Frechina, Jaume Bordas-Martínez, Guadalupe Bermudo-Peloché, Maria Molina-Molina, Esther García-Lerma, Cristian Tebé-Cordomí, Guillaume Lefebvre, Rosa Planas-Balaguer

Enhanced liver fibrosis (ELF) test as a biomarker of pulmonary fibrosis (PF) secondary to COVID-19 pneumonia.

Alexa Gabriela Nuñez Dubon (Barcelona, Spain), Cristina Aljama, Cristina Esquinas, Gerard Orriols, Georgina Farago, Galo Granados, Pablo Gabriel-Medina, Francisco Rodríguez-Frias, Mònica Pons, Marc Miravittles, Miriam Barrecheguren

Role of virtual multidisciplinary team meetings in the post-COVID era: a global survey to evaluate the ILD diagnostic pathway

Graham Lough (Glasgow, United Kingdom), Rayid Abdulqawi, Gina Amanda, Katerina Antoniou, Arata Azuma, Ahmed Bayoumy, Milind Baldi, Jürgen Behr, Elisabeth Bendstrup, Demosthenes Bouros, Kevin Brown, Nazia Chaudhuri, Tamera J Corte, Vincent Cottin, Bruno Crestani, Kevin Flaherty, Ian Glaspole, Leticia Kawano-Dourado, Michael Keane, Martin Kolb, Fernando J Martínez, Maria Molina-Molina, Ferran Morell, Iñigo Ojanguren, Laurence Pearmain, Ganesh Raghu, Paola Rottoli, Stefan Cristian Stanel, Gabriela Tabaj, Carlo Vancheri, Brenda Varela, Bonnie Wang, Athol Wells, Pilar Rivera-Ortega

SAFETY PROFILE OF PIRFENIDONE IN COVID19 RESPIRATORY DISTRESS SYNDROME

Marta Hernández Argudo (Barcelona, Spain), Guadalupe Bermudo Peloché, Maria Molina Molina, Vanesa Vicens Zygmunt, Guillermo Suarez Cuartin, Jaume Bordas Martínez, Salud Santos Perez, Santiago Bolívar Cuevas, Belén Del Río Carrero, Joan Sabater Riera, Mari Paz Fuset Cabanes

Long-COVID syndrome and interstitial lung disease following COVID-19

Dorottya Fesu (Erd, Hungary), Lorinc Polivka, Eniko Barczy, Marcell Foldesi, Gabor Horvath, Aniko Bohacs, Veronika Muller

Characterization of fibrosis-associated pathways in human lung tissue samples in COVID-19 and fibrotic lung diseases

Cathrin Kodde (Berlin, Germany), Torsten Blum, Tilman Klassert, Svea Eichler, Sergej Griff, Dominik Driesch, Armin Frille, Lothar Jaensch, Marco Von Ham, Ana Salas Pérez, Susann Stephan-Falkenau, Hortense Slevogt, Torsten Bauer

Neuroendocrine Cell Hyperplasia of Infancy (NEHI) during the Pandemic Era.

Vasilis Grammeniatas (Athens, Greece), Marios Papadopoulos, Elisavet Arkoumani, Efthymia Alexopoulou, Kostas Priftis, Kostas Douros

The risk factors for developing post COVID-19 pulmonary fibrosis

Adriana Petronela Fildan (Constanta (Constanta), Romania), Roxana-Elena Cirjalu, Doina-Ecaterina Tofolean, Elena Dantes, Oana Cristina Arghir, Laurențiu-Tony Hangan

Comparative study assessing the pulmonary function sequelae in post Covid -19 patients during 1st and 2nd wave.

Rajesh Agrawal (Bareilly, India), Chinkita Agrawal, Javied Ahmad Malik

Checkpoint inhibitor pneumonitis – a tertiary centre's experience

Su Latt Phyu (Oxford, United Kingdom), Nicholas Coupe, Miranda Payne, Ling-Pei Ho, Emily Fraser, Rachel Hoyles, Peter Saunders

Bronchoalveolar Lavage and post-COVID-19 interstitial lung disease

Sabrine Majdoub Fehri (Nabeul, Tunisia), Wafa Madi, Racem Ammar, Hamida Kwas

Interstitial lung disease pattern in the upper lobes: etiologies, characteristics and prognosis

BOUGACHA MARWA (tunis, Tunisia), Chirine Moussa, Houda Rouis, Line Kaabi, Feten Mhiri, Amel Khattab, Leila Bayahi, Ibtihel Khouaja, Ines Zendah, Sonia Maalej

Epidemiology and antifibrotic therapy of post-COVID-19 interstitial lung disease.

Oleh Yakovenko (Lutsk, Ukraine), Alexander Khanin, Tetiana Yakovenko

Late Breaking Abstract - Characterising cough in hypersensitivity pneumonitis

Zhe Wu (London, United Kingdom), David J.F Smith, Leda Yazbeck, Toby M Maher, Jaclyn A Smith, Philip L Molyneux

Late Breaking Abstract - Surfactant related chILD: a systematic review

Georgia-Emmanouela Dendrinou (ATHENS, Greece), Athanasios Kondylis, Maria Christodoulou, Konstantinos Douros

Late Breaking Abstract - Inhaled BTI615 regulates lung fibrotic-niche via confining TGF-β1 pathway in bleomycin rat-model

Qiu Jiang (Chengdu, China), Rui Chen, Ling Xiao, Fei Wang, Suxia Shi, Ruijun Cheng, Yan Zhang, Na Wang, Pan Zhong, Jiabao Yue, Xiaomei Li, Yi Ding

PS-14 in poster area

Session

08:00 - 09:30

Poster session: Pleural and miscellaneous infections**Disease(s) :** [Airway diseases](#) [Respiratory critical care](#)**Method(s) :** Endoscopy and interventional pulmonology Epidemiology General respiratory patient care Respiratory intensive care Public health Imaging Pulmonary rehabilitation Surgery**Chairs :** Eric Mortensen (Simsbury, United States), Chair to be confirmed**A scoping review of outcome measures in randomised controlled trials of pleural infection**

Jessica Hughes (BRISTOL, United Kingdom), Sarah Rudd, Alice Milne, Nick Maskell, David Arnold

RAPID Score: Mortality and hospitalization risk stratification in pleural empyema

Maria João Lúcio (linda a velha, Portugal), Eva Brysch, Margarida Guerreiro, Fernando Nogueira

Incidence and clinical outcomes of pneumonia patients with pleural effusions in 28 urgent care clinics

Nathan Dean (Murray, United States), Jackie Eve, Allison Butler, James Hart, Thea Sakata, Eddie Stenejhem, Y. C. G. Lee

Intrapleural use of tissue plasminogen activator and DNase in management of pleural infection.

Prashanth Shetty (Aston Clinton, United Kingdom), Alex Francioni, Adeel Jafri

Clinical features of pneumothorax associated with COVID-19: a single-centre retrospective analysis

Kohei Fujita (Kyoto, Japan), Toshiyuki Iwata, Osamu Kanai, Hiroaki Hata, Masayuki Hashimoto, Hiroyuki Tanaka, Takao Odagaki, Tadashi Mio

Association between time-to-treatment and prognosis of pneumocystis pneumonia in non-human immunodeficiency virus-infected immunocompromised patients; A multi-centre, retrospective observational cohort study (RE-VISION-PCP)

Haruka Fujioka (Kamogawa, Japan), Yuya Homma, Tatsuya Nagai, Ayumu Otsuki, Hiroyuki Ito, Kei Nakashima

Chronic non-infectious lung conditions in HIV-infected children at Chris Hani Baragwanath Academic Hospital. Kegode E1, Verwey C1, Sipambo N1. 1 University of Witwatersrand, South Africa

everlyne kegode (johannesburg, South Africa)

Prognostic factors of pneumocystis pneumonia in non-human immunodeficiency virus-infected immunocompromised patients: A multicentre, retrospective, observational cohort study (RE-VISION-PCP)

YUYA HOMMA (Chiba, Japan), Haruka Fujioka, Tatsuya Nagai, Ayumu Otsuki, Hiroyuki Ito, Kei Nakashima

Efficacy and safety of low-dose versus conventional-dose trimethoprim-sulfamethoxazole treatment for pneumocystis pneumonia in non-human immunodeficiency virus-infected patients: A multi-centre, retrospective observational cohort study (RE-VISION-PCP)

Tatsuya Nagai (Kamogawa, Japan), Haruka Fujioka, Yuya Homma, Ayumu Otsuki, Hiroyuki Ito, Kei Nakashima

Impact of bronchoalveolar lavage on the management of immunocompromised hosts

Kathleen Jahn (Basel, Switzerland), Meropi Karakioulaki, Desiree Schumann, Hans Hirsch, Karoline Leuzinger, Letizia Grise, Stefano Aliberti, Giovanni Sotgiu, Michael Tamm, Daiana Stolz

Clinical outcomes of haematological patients undergoing bronchoscopy in a registry of immunocompromised patients evaluated for pulmonary infections.

Eugene Gan (Singapore, Singapore), Brian Chua, You Xin Puan, Timothy Toh, Saripalli Kundan Reddy, Isaac Fong, Deshawn Tan, Yi Hern Tan

Burden of hospitalized adult pertussis in France, 2008-2020

Denis Macina (LYON, France), Mickael Arnaud, Johanna Despres, Ana Antunes, Regis Verdier, Juan C Vargas Zambrano

Antibiotic treatment strategies in a Danish cohort of patients with lung abscesses.

Søren Sperling (Aarhus N, Denmark), Victor Næstholt Dahl, Jakob Kirkegaard Vaarst, Christian Borbjerg Laursen, Tina Nørregaard Gissel, Pia Holland Gjørup, Andreas Fløe, Elisabeth Bendstrup

Pulmonary nocardiosis as an emerging infection in non-cystic fibrosis bronchiectasis

Mariapia Niceforo (Pisa, Italy), Miriam De Francesco, Roberta Gaeta, Federica Di Giorgi, Davide Chimera, Federico L. Dente, Roberta Pancani, Massimiliano Desideri, Francesco Pistelli, Laura Carrozzi

Biochemical parameters predicting diagnosis of melioidosis pneumonia: a retrospective observation analysis

Han Jia Chew (SARAWAK, Malaysia), Yee Yew Loong, Tung Ung John Tang, Cheng Foong Cheah

Impact of immune status on the clinical characteristics, treatment outcomes and mortality of pulmonary nocardiosis: A retrospective analysis in a tertiary care hospital from a low to middle-income country

Syed Muhammad Zubair (karachi, Pakistan), Muhammad Mustansir Mehdi Khan, Yasmin Rahim, Hamza Ahmed Ibad, Muhammad Irfan

Lung contusion due to military chest injury as a risk factor for bacterial pneumonia and other respiratory infections.

Oleh Yakovenko (Lutsk, Ukraine), Eduard Khodosh

Accuracy of A2DS2 score as a predictor of stroke associated pneumonia (SAP) and in-hospital death among acute stroke patients admitted in a cardiovascular center in Metro Manila, Philippines

Kelvin Mar Bartolome (Quezon City, Philippines), Ma. Encarnita Blanco-Limpin, Aileen Guzman-Banzon

Bacteriological spectrum and drug susceptibility in post tuberculosis bronchiectasis

Tehreem Ahmad (Karachi, Pakistan), Faisal Faiyaz Zuberi

The Neutrophil-to-Lymphocyte ratio as a biomarker of severity in bronchiectasis

Mariem Friha (Ariana, Tunisia), Ines Moussa, Hana Mrassi, Sarra Ben Sassi, Sarra Trimech, Chirine Zaier, Imen Sahnoun, Leila Douik El Gharbi

PS-16 in poster area

Session

08:00 - 09:30

Poster session: Basic mechanism and novel treatment targets in pulmonary fibrosis

Disease(s) : [Interstitial lung diseases](#)

Method(s) : Cell and molecular biology Physiology Pulmonary function testing Imaging

Chairs : ARGYRIS TZOUVELEKIS (Patras, Greece), Vanesa Vicens Zygmunt (Castelldefels (Barcelona), Spain)

Impact of Bifidobacterium longum BB536 on nausea caused by pirfenidone in a mouse model of pellagra

Koji Kuronuma (Sapporo, Japan), Natsumi Susai, Takeshi Yoshioka, Atsushi Saito, Hirofumi Chiba

Fc α B/FOXO1 axis regulates GLUT1-mediated mitochondrial oxidative stress and metabolic reprogramming in angiotensin II-induced fibroblast activation

Wei Wang (Guangzhou, China), Ying Meng

Novel waveform analysis reveals persistent pathophysiological changes in rodent model of pulmonary fibrosis

Maria Volovaya (London, United Kingdom), Miquel Serna Pascual, Yujia Wu, Philip Aston, Carolyn Lam, Aileen Milne, Mary McElroy, Manasi Nandi

Regenerative capacity of alveolar type 2 cells is proportionally reduced following disease progression in IPF-derived organoid cultures

Hyeon Kyu Choi (Souel, Republic of Korea), Ju Hye Shin, Mi Hwa Shin, Ala Woo, Sang Hoon Lee, Eun Young Kim, Hyo Sup Shim, Ha Eun Kim, Joo Hyeon Lee, Chul Hoon Kim, Moo Suk Park

Abnormal phosphorylation of Per2 induces myofibroblast transformation and promotes the development of pulmonary fibrosis

Mei Chen (Chengdu (Sichuan), China), Lian Liu

Data-driven processing of electronic medical record (EMR) and serum exosome proteomics data of idiopathic pulmonary fibrosis (IPF) patients identified pathological networks and its regulatory molecules

Mari Nogami-Itoh (Ibaraki-shi, Japan), Masataka Kuroda, Yoshito Takeda, Yuya Shirai, Takatoshi Enomoto, Jun Adachi, Sadao Kurohashi, Eiji Aramaki, Toshihiro Takeda, Yasushi Matsumura, Masahiro Yanagawa, Yayoi Natsume-Kitatani, Kenji Mizuguchi, Naonori Ueda, Atsushi Kumanogoh

Bleomycin does not directly cause fibrosis in precision-cut lung slices, PCLS

Satoshi Kanazawa (Nagoya, Japan), Yoko Miura

A multicenter study of extracellular vesicles profile in bronchoalveolar lavage from patients affected by IPF, HP and sarcoidosis

Miriana d'Alessandro (Siena, Italy), Sara Gangi, Piera Soccio, Elisabet Cantó, Ruben Osuna, Laura Bergantini, Paolo Cameli, Gaia Fabbri, Sara Croce, Giulia Scioscia, Giorgia Moriondo, Giusy Montuori, Matteo Fanetti, Fabrizio Mezzasalma, Diego Castillo, Donato Lacedonia, Silvia Vidal, Elena Bargagli

Aging disturbed lysosomes to modulate efferocytosis-induced SPP1-expressing macrophage and inhibit pulmonary fibrosis reversal

Yue Zhang (Guangzhou, China), Hua Zhang

Use of invasive lung function assessment (DSI/Buxco) to quantify changes in lung function parameters in a rat bleomycin model of lung fibrosis.

Mary McElroy (Edinburgh (Edinburgh), United Kingdom), Rachel Macfarlane, Jennifer Dowie, Kirsten Maclellan, Shyloh Solomon, James Bailly

Iron status and the risk of idiopathic pulmonary fibrosis: a mendelian randomization study

Jian Zhou (Chengdu, China), Menglin He, Rurong Wang, Xuehan Li

Microcomputed tomography to study the in vivo development of IPF-like disease in conditional Nedd4-2 deficient mice

Dominik Leitz (Berlin, Germany), Philip Konietzke, Willi Wagner, Julia Duerr, Hans-Ulrich Kauczor, Marcus A. Mall, Mark O. Wielpütz

Imatinib treatment for fibrotic lung disorders: ex vivo assessment on human lungs.

Cecilia Bagnera (Pavia, Italy), Sara Bozzini, Eleonora Bozza, Matteo Della Zoppa, Silvia Mancinelli, Federica Briganti, Giulio Melloni, Federica Meloni

A novel senolytic drug, ARV-825, ameliorates experimental lung fibrosis

Seidai Sato (Hamilton (ON), Canada), Kazuya Koyama, Hirohisa Ogawa, Kojin Murakami, Yuya Yamashita, Nandin-Erdene Danzan, Hiroki Bando, Keiko Haji, Nobuhito Naito, Hiroshi Kawano, Eiji Hara, Yasuhiko Nishioka

A clinical-stage RNAi therapeutic candidate for IPF mediates durable MMP7 silencing in nonhuman primates and human lung tissue

Tingting Yuan (VERONA, United States), Szymon Klossowski, Maria Afrazi, Holly Hamilton, Julia Hegge, James Hamilton, Tao Pei, Erik Bush

Hyaluronic acid decorated-liposome loaded with Imatinib (XHALIP): delivered intratracheally are effective in a Bleomycin model of lung fibrosis

Roberta Fusco (Messina, Italy), Veronica Codullo, Sara Bozzini, Eleonora Bozza, Cecilia Bagnera, Rosanna Di Paola, Silvia Arpicco, Federica Meloni, Salvatore Cuzzocrea

CycloZ reduces inflammation in bleomycin-induced idiopathic pulmonary fibrosis model mice.

Seoyeong Baek (Pohang, Gyeongbuk, Republic of Korea), Dohyun Lee, Jongsu Jeon, Onyu Park, Xiaoxu Li, Alessia Demasi, Gayeong Hur, Seung-Hyo Lee, Johan Auwerx, Hoe-Yune Jung

CycloZ improves pulmonary fibrosis in bleomycin-induced idiopathic pulmonary fibrosis model mice by modulating the pathogenic transcriptome.

Dohyun Lee (Pohang, Republic of Korea), Jongsu Jeon, Onyu Park, Seoyeong Baek, Xiaoxu Li, Alessia Demasi, Johan Auwerx, Gayeong Hur, Seung-Hyo Lee, Heo-Yune Jung

Preclinical evaluation of Ezetimibe for repurposing to pulmonary fibrosis.

Chanho Lee (Seoul, Republic of Korea), Se Hyun Kwak, Jisu Han, Ju Hye Shin, Yu Seol Lee, Jeong Su Park, Beom Jin Lim, Jin Gu Lee, Young Sam Kim, Song Yee Kim, Soo Han Bae

Intratracheal administration of a PROTAC with subnanomolar potency induces BRD4 degradation in the lung without systemic target engagement

Ulf Hedström (Mölndal, Sweden), Antonio Piras, Rikard Pehrson, Jianming Liu, Amy Wilson, Karin Carlsson, Karin Ribbing, Cecilia Forss, Oliwia Slettengren, Madeleine Engsevi, Johan Jirholt, Martin Hemmerling

PS-7 in poster area**Session****08:00 - 09:30****Poster session: Unravelling the potential of interleukin-5 pathways in asthma****Disease(s) :** Airway diseases**Method(s) :** Public health General respiratory patient care Cell and molecular biology Pulmonary function testing Epidemiology**Chairs :** Asger Sverrild (Valby, Denmark), Zuzana Diamant (Lund, Sweden)**Mepolizumab improves small airway disease in severe eosinophilic asthmatics**

Francesca Cefaloni (Rome, Italy), Cristina Boccabella, Luca Richeldi, Matteo Bonini

A retrospective cohort study to determine if Interleukin 5 inhibitors reduce oral corticosteroid burden in Severe Asthma in real life

Zoe Chan (Leeds, United Kingdom), Dinesh Saralaya, Janice Ting

Mepolizumab for the treatment of Eosinophilic Granulomatosis Polyangitis (EGPA) at Jersey General Hospital: A case review series; clinical features, diagnostic tests and management.

Kesavaperumal Vijayasaritha (Birmingham, United Kingdom), Duarte Vieira, Karen Hughes, Elisabete Da Silva

Mepolizumab and Benralizumab: new therapeutic perspectives for Severe Eosinophilic Asthma and Eosinophilic Granulomatosis with Polyangiitis

Paola Scarano (Roma, Italy), Cecilia Cisternino, Giulia Lo Muzio, Olimpia Calò, Arianna Sanna, Alessia Steffanina, Francesca De Filippis, Maria Teresa Leporini, Paolo Palange, Elda Graziani

Long-term effectiveness of Mepolizumab in patients with refractory severe eosinophilic asthma.

BELEN Muñoz Sánchez (Sevilla, Spain), Francisco Javier Álvarez Gutiérrez, Juan Francisco Medina Gallardo, Auxiliadora Romero Falcón, Maria Victoria Maestre Sánchez, Ana Gomez Bastero Fernández, Stefan Cimbollek, Julio Delgado Romero, Ana Ruiz Bernal, Marta Ferrer Galvan

Real-world effectiveness and characteristics of Super-Responders to Mepolizumab and Benralizumab in severe eosinophilic asthma and EGPA

Andrea Portacci (Taranto, Italy), Raffaele Campisi, Enrico Buonamico, Santi Nolasco, Corrado Pelaia, Nunzio Crimi, Alida Benfante, Massimo Triggiani, Giuseppe Spadaro, Maria Filomena Caiaffa, Giulia Scioscia, Aikaterini Detoraki, Giuseppe Valenti, Francesco Papi, Alessandra Tomasello, Nicola Scichilone, Girolamo Pelaia, Claudia Crimi, Giovanna Elisiana Carpagnano

Disease remission in severe asthma patients on mepolizumab treatment and its duration after treatment discontinuation.

Piotr Damiński (Lodz, Poland), Piotr Kuna, Maciej Kuńczyk

Switching things up: experience of second line anti-interleukin-5 therapy for severe asthma

Fred Fyles (Liverpool, United Kingdom), Amy Nuttall, Hannah Joplin, Laura Watkins, Hassan Burhan

The experience of reslizumab treatment for frequent relapsing chronic eosinophilic pneumonia accompanying asthma: a case series

Seung-Eun Lee (Seoul, Republic of Korea), Won-Jin Lee, Eun-Jeong Son, Tae-Hwa Kim, Doo-Soo Jeon, Yun-Seong Kim

Implementation of the FEOS score in patients with severe eosinophilic asthma treated with Reslizumab.

Katuska Herminia Liendo Martinez (Madrid, Spain), Crishian Alonso Correa Gutierrez, Stephany Ivonne Briones Alvarado, Manuel Mor Martinez, Luis Puente Maestu, Julia García De Pedro

Efficacy of Mepolizumab in a cohort of patients with severe eosinophilic asthma after 5 years of treatment: a single centre study

Gerardo Nazzaro (Caserta, Italy), Ferdinando Damato, Antonio Caso, Alessandra Bruno, Lorena Gallotti, Anna Agnese Stanziola

Outcomes of blocking IL-5 in severe asthma elderly patients

David Bañas Conejero (Madrid, Spain), Eva Martínez Moragón

Benralizumab effectiveness in patients with severe asthma regardless of prior biologic use: A real-world Canadian experience

Parameswaran Nair (Hamilton (ON), Canada), Sheena Kayaniyil, Charles St. Pierre, Katherine Osenenko, Tina Li, Karissa Johnston, Gina Lacuesta, Irfan Khan, Syed Anees, Yew Hon Lai, Parisa Rahimi, Vivek Dhawan, Delbert Dorscheid, Andréanne Côté

Impact of age on the efficacy of mepolizumab in severe uncontrolled asthma

Francisco-Javier Gonzalez Barcala (Santiago de Compostela, Spain), Marina Blanco-Aparicio, Juan-Jose Nieto-Fontarigo, Nagore Blanco-Cid, Coral Gonzalez-Fernandez, Mar Mosteiro-Añón, Uxio Calvo-Alvarez, Luis Perez-De-Llano, Maria-Dolores Corbacho-Abelaira, Luis Dominguez-Juncal, Carlos Crespo-Diz, Raquel Dacal-Quintas, Abel Pallares-Sanmartin, David Dacal-Rivas, Raquel Ruiz-Ferreras, Francisco-Javier Salgado

Retrospective study to assess response to benralizumab in elderly asthma patients

Eve Coleborn (Bristol, United Kingdom), Elizabeth Gamble, Catherine Hyams

Evaluation of the effects of Benralizumab on Nasal Inflammation in Severe Eosinophilic Refractory Asthma and Nasal Polyposis

Claudio Candia (Naples, Italy), Francesco Coppa, Maria D'Amato, Debora Paris, Annabella Tramice, Pasquale Ambrosino, Antonio Molino, Antonino Di Stefano, Andrea Motta, Mauro Maniscalco

Asthma outcomes in patients (pts) with severe eosinophilic asthma (SEA), with and without comorbid chronic rhinosinusitis with nasal polyps (NP), treated with benralizumab in the real-world XALOC-1 study

Girolamo Pelaia (Tiriolo (CZ), Italy), Alicia Padilla-Galo, Claudia Loureiro, Justin Kwiatek, Trung N. Tran, Silvia Boarino, Sheena Kayaniyil, Javier Nuevo, Michael Watt, Marisa Pardo, Vivian H. Shih, David Cohen, Anat Shavit, Benjamin Emmanuel, David J. Jackson, Parameswaran Nair

Real-world benralizumab effectiveness in patients with severe eosinophilic asthma on a 3 year follow up.

Giulia Lo Muzio (Roma, Italy), Olimpia Calò, Cecilia Cisternino, Paola Scarano, Arianna Sanna, Francesca De Filippis, Alessia Steffanina, Paolo Palange, Elda Graziani

Late Breaking Abstract - Anti-IL-5 therapy is associated with sustained improvement in FEV1 in severe eosinophilic asthma patients.

Nathan Blekic (Uccle, Belgium), Alain Van Muylem, Jean-Pierre Makhoul, Amaryllis Haccuria, Andrei Malinowski, Alain Michils

Late Breaking Abstract - Durability of response after 96 weeks of treatment with benralizumab: results from the Italian ANANKE study

Giorgio Walter Canonica (Milano (MI), Italy), Maria Aliani, Elena Altieri, Pietro Bracciale, Luisa Brussino, Maria Filomena Caiaffa, Paolo Cameli, Cristiano Caruso, Stefano Centanni, Maria D'Amato, Fausto De Michele, Stefano Del Giacco, Fabiano Di Marco, Francesco Menzella, Girolamo Pelaia, Paola Rogliani, Micaela Romagnoli, Pietro Schino, Jan Walter Schroeder, Gianenrico Senna, Andrea Iurlaro, Giulia Manfrini, Silvia Boarino, Alessandra Vultaggio

PS-15 in poster area

Session

08:00 - 09:30

Poster session: Lung cancer challenges in real clinical settings**Disease(s) :** Thoracic oncology Interstitial lung diseases Airway diseases Pulmonary vascular diseases**Method(s) :** Epidemiology General respiratory patient care Imaging Pulmonary function testing Endoscopy and interventional pulmonology Public health Surgery**Chairs :** Armin Frille (Leipzig, Germany), Chair to be confirmed**Development and validation of a predictive score of venous thromboembolism in patients with lung cancer: Tunisian Survey**

Houda Rouis (Ariana, Tunisia), Chirine Moussa, Islem Mejri, Hela Kamoun, Soumaya Debiche, Nourchene Khalfallah, Linda Ben Hamida, Amel Khattab, Zied Moetamri, Mohamed Amine Megdiche, Sonia Maâlej

Treatment with low-molecular-weight heparin negatively affects lung cancer patient survival

Julia Held (Hannover, Germany), Marc A. Schneider, Tobias Welte, Sabina Janciauskiene, Thomas Muley

Thromboembolic events in lung cancer patients : what special features?

Lenda Ben Hmida (Rades, Tunisia), Chaima Habouria, Nidhal Belloumi, Sirine Daoud, Hend Abid, Imen Bachouch, Fatma Chermiti, Soraya Fenniche

ETIOLOGICAL PROFILE OF SUPERIOR CAVE SYNDROME

meryem zadi (CASABLANCA, Morocco)

The Assess Respiratory Risk in Surgical Patients in Catalonia (ARISCAT) score overestimates postoperative complications' risk in thoracic surgery.

Georgia Hardavella (Athens, Greece), Ioannis Karampinis, Maria Salomidou, Irma Bracka, Theodoris Daskalos, Antonia Zachariou, Elli Keramida, Elena Bellou, Fotis Kyriakou, Despoina Zorpidou, Panagiotis Demertzis, Nikolaos Anastasiou

The clinicopathological characteristics of 1139 cases of small cell lung cancer patients

Lei Li (Chengdu (Sichuan), China), Liang Zhou, Weimin Li

Clinicopathologic characteristics of NSCLC patients with uncommon EGFR mutations in Korea

YOO JUNG LEE (Incheon, Republic of Korea), Chang Dong Yeo, Chan Kwon Park, Sung Kyoung Kim, Ju Sang Kim, Yong Hyun Kim, Jin Woo Kim, Seung Joon Kim, Sang Haak Lee, Hye Seon Kang

Clinicopathological features and prognostic factors of lung adenocarcinoma in never smokers

Lan Yang (Chengdu, China), Dan Liu, Weimin Li

Agreement between clinical and pathologic stage in NSCLC: the T component

Diogo André Barroso Ferreira (Vila Nova De Famalicão, Portugal), Patrícia Castro, Marta Castro, Margarida Dias, Daniel Coutinho, Eloísa Silva, José Miranda, Ana Barroso

Survival of patients with KRAS G12C mutated stage IV non-small cell lung cancer with and without brain metastases treated with immune checkpoint inhibitors

Anneloes L. Noordhof (Leeuwarden, Netherlands), Esther M. Swart, Ronald A. M. Damhuis, Peter W. A. Kunst, Dirk K. M. De Ruyscher, Lizza E. L. Hendriks, Wouter H. Van Geffen, Mieke J. Aarts

Nationwide real-world overall survival in advanced EGFR mutated NSCLC using different TKI.

Rolof G.P. Gijtenbeek (Leeuwarden, Netherlands), Ronald A.M. Damhuis, Anthonie J. Van Der Wekken, Lizza E.L. Hendriks, Harry J.M. Groen, Wouter H. Van Geffen

Lung cancer associated to idiopathic pulmonary fibrosis: prediction ranking and data mining analysis

Giulia Maria Stella (Pavia (PV), Italy), Sara Lettieri, Silvia Mancinelli, Lucia Del Frate, Anisa Cala, Chandra Bortolotto, Davide Piloni

Impact of COPD on lung cancer symptom burden: A population-based study

Stacey J Butler (Toronto, Canada), Alexander V Louie, Rinku Sutradhar, Lawrence Paszat, Dina Brooks, Andrea S Gershon

HIV accelerates the development and progression of lung cancer: a single-centre prospective study

Raisa Bhikoo (Cape Town, South Africa), Brian Allwood, Elvis M Irusen, Coenraad Fm Koegelenberg

The Impact of COVID-19 on Lung Cancer diagnoses and treatment at St George's Hospital, London

Praveen Natarajan (London, United Kingdom), Eunice Xing, Danyal Jajbhay, Jamie Arberry, Jessica Gates, Jon Panaguiton, Eilish Yarham, Hassan Ahmed, Roshan Siddique, Raminder Aul, Yee Ean Ong, Adrian Draper

Has the covid pandemic influenced the diagnosis of patients with lung cancer?

Imanol Gonzalez Muñoz (Barakaldo, Spain), Jone Solorzano Egurbide, Elena Garay Llorente, Joseba Andia Iturrate, Beatriz Gonzalez Quero, Ederne Echevarria Guerrero, Laura Cortezon Garces, Teresa Bretos Dorronsoro, Larraitz Garcia Echeberria

Impact of coronavirus disease 2019 on the clinical course of thoracic malignancies

Osamu Kanai (Kyoto, Japan), Takanori Ito, Zentaro Saito, Takuma Imakita, Issei Oi, Yuki Yamamoto, Kohei Fujita, Masayuki Hashimoto, Hiromasa Tachibana, Satoru Sawai, Tadashi Mio

Clinical Profile and Outcomes of Patients with Primary Intrathoracic Cancer who were admitted due to COVID 19 at Lung Center of the Philippines

IVARRENE CAHINDE (PALO, Philippines), John Carlo Custodio, Guia Elena Ladrera

Late Breaking Abstract - Did changes in referral pathways during the Covid 19 pandemic influence lung cancer diagnosis and staging

Zanfur Khan (Shipley, United Kingdom), Kwee Yen Goh, Abhishek Gupta, Sanjay Kumar

Metastatic lung cancer: another symptom of Long COVID?

Rebecca Evans (London, United Kingdom), Rohan Pancharatnam, Burhan Khan

PS-4 in poster area

Session

08:00 - 09:30

Poster session: Novel insights in respiratory disease-related mechanisms**Disease(s) :** Airway diseases Interstitial lung diseases Pulmonary vascular diseases**Method(s) :** Cell and molecular biology Physiology Pulmonary function testing**Chairs :** Reinoud Gosens (Groningen, Netherlands), Serena Di Vincenzo (Palermo (PA), Italy)

Exploring the role of non-coding RNAs in alveolar epithelial damage in pulmonary fibrosis

Chiara De Santi (Dublin, Ireland), Konstantinos-Dionysios Alysandratos, Fiorella Calabrese, Killian Hurley

The effect of highly selective furin inhibition on matrix metalloproteinases in cystic fibrosis

Bethany Montgomery (Belfast, United Kingdom), Lisa Douglas, Tatjana Ondrji, Lorraine Martin

The emergence of myeloid-derived suppressor cells in a murine model of pulmonary fibrosis

Saeed Kolahian (Marburg, Germany), Nora Vedder, Philipp Gercke, Nikoleta Lautenschlager, Chiel Van Geffen, Jakob Schieb, Tobias Brunn, Tim Lange, Charlotte Vetter, Harald Renz

The involvement of myeloid-derived suppressor cells in the pathogenesis and lung functional impairment in bronchiectasis

Andreas M. Matthaiou (Drafi, Rafina-Pikermi, Attica, Greece), Nikoleta Bizymi, Georgios Pitsidianakis, Nikolaos Tzanakis, Katerina M. Antoniou

IL-17A drive oxidative stress and cell growth in A549 cell line: potential protective action of Mediterranean diet

Mirella Profita (Palermo (PA), Italy), Angela Marina Montalbano, Rosalia Paola Gagliardo, Giusy Daniela Albano

Loss of PTEN activity in COPD airway epithelial cells is modulated by miR-21

Vanessa Ho (London, United Kingdom), Jonathan R Baker, Keith R Willison, David R Klug, Peter J Barnes, Louise E Donnelly

Small extracellular vesicles mediated pathological communications between dysfunctional airway epithelium cells and skeletal muscle cells as a novel mechanism induced skeletal muscle dysfunction in COPD

Mingming Deng (Beijing, China), Gang Hou

Terminal cell morphology and fitness is influenced by Cigarette Smoke Exposure in *Drosophila melanogaster* with ORMDL and Sca1 dysregulation

Birte Ehrhardt (Borstel, Germany), Beate Höschler, Susanne Krauss-Etschmann, Thomas Roeder

TSLP and oxidative stress: two associated events reflecting airway epithelium injury upon cigarette smoke exposure

Elisabetta Pace (Palermo (PA), Italy), Serena Di Vincenzo, Maria Ferraro, Bernardo Patella, Paola Pinto, Valentina Lazzara, Rosalinda Inguanta

The activity of the anti-inflammatory mediator lipoxin A4 in COPD

Natalia Habshydz (Dnipro, Ukraine), Tetyana Pertseva, Natalia Sanina, Svitlana Panina

High-fat and high-sugar diet does not impair lung function parameters assessed by double chamber plethysmography in juvenile male Brown Norway rats

Kamil Ziarniak (Poznan, Poland), Wojciech Langwiński, Paweł Antoni Kołodziejewski, Ewa Pruszyńska-Oszmałek, Anna Łukomska, Maciej Sassek, Dawid Szczepankiewicz, Aleksandra Szczepankiewicz

Transcriptomic and chromatin accessibility analysis of human small airway epithelial cells reveals epigenetic regulatory mechanisms in circadian genes under cigarette smoke exposure

Zijian Zeng (CHENGDU, China), Ke Wang, Mengxin Cheng, Lijuan Gao, Jun Chen, Tao Wang, Fuqiang Wen

The senolytic effect of Dasatinib and Quercetin on cellular senescence in COPD in vitro and in vivo models

Jonathan Baker (London, United Kingdom), Genki Kimura, Yuki Nishimoto, Shyreen Hassibi, Yasuo Kizawa, Kazuhiro Ito

REV-ERB α regulates cigarette smoke (CS)-induced macrophage polarization

Mengxin Cheng (Chengdu, China), Jun Hu, Zijian Zeng, Lijuan Gao, Ke Wang, Jun Chen, Tao Wang, Fuqiang Wen

Azithromycin improves wound repair but does not change permeability of preterm airway epithelial cells

Samantha A. McLean (Nedlands (WA), Australia), Denby J. Evans, Anthony Kicic, Shannon J. Simpson

The Effect of Bariatric Surgery on Serum Adiponectin, Leptin, Serum Interleukin 13 (IL-13), microRNA-192-5P (MIR-192-5P), and Asthma Control in Obese Asthma Patients

Fatma Gülsüm Karakas (erzurum, Turkey), Zeynep Ferhan Özşeker

Smad3-mediated lncRNA HSALR1 enhances the non-classic signaling pathway of TGF- β 1 in HBFs by binding to HSP90AB1

Erakng Yi (Guangzhou, China), Pixin Ran

Preclinical analyses reveal spleen tyrosine kinase as regulator of pulmonary vasoconstriction

Christoph Tabeling (Berlin, Germany), Julia Herbert, Ekaterina Boiarina, Andreas C. Hocke, Olga Danov, Katherina Sewald, Birgitt Gutbier, Martin Russ, Philipp A. Pickerodt, Claudia Spies, Mei Li, Laura Michalick, Jörg Scheffel, Marcus Maurer, Heinz Fehrenbach, Norbert Suttrop, Armin Braun, Norbert Weissmann, Wolfgang M. Kuebler, Martin Witzentrath

Hypoxia activates caspase-1 in pulmonary epithelium, inducing caspase-1-dependent pulmonary inflammation in the development of pulmonary hypertension

Karl-Otto Larsen (Oslo, Norway), Bente Halvorsen, Xiang Yi Kong, Kuan Yang, Else Marit Løberg, Geir Christensen, Ole Henning Skjøsberg, Camilla Udjus

AhR controls pulmonary inflammation from cannabis smoke

Emily Wilson (Montreal, Canada), David Eidelman, Carolyn Baglole

PS-2 in poster area**Session****08:00 - 09:30****Poster session: Novelties in lung function testing****Disease(s) :** Airway diseases Interstitial lung diseases**Method(s) :** Physiology Pulmonary function testing**Chairs :** Gergely H. Fodor (Szeged, Hungary), Iulia Cristina Ioan (Vandoeuvre-Les-Nancy, France)**Comparing patient experiences of FOT and Spirometry - A survey**

Shruti Sahasrabudhe (Pune (Maharashtra), India), Nagesh Dhadge, Kameshwar Rao, Harshvardhan Vhora, Reenkal Ahire

A randomised controlled trial of self vs clinician-taught home spirometry

Caitlin Morgan (Taunton, United Kingdom), Daniel Higbee, Catherine Dixon, Emma Buckroyd, Huzaifa Adamali, Shaney Barratt, Rahul Shrimanker, Paul White, James Dodd

Validation of the 2012 Global Lung Initiative spirometry prediction equations in an East African country

Hussein Mwanga (Dar es Salaam, Tanzania), Simon Mamuya, Bente Elisabeth Moen, Cecilie Svanes

Study of the reversibility rate according to different definitions of ATS/ERS

Omayma Ben Lakhal (SFAX, Tunisia), Hela Cherif, Amal Chennoufi, Salma Mokadem, Mariem Triki, Ferdaous Yengui, Mohamed Ridha Charfi

Impact of the 2021ATS/ERS update criteria on the bronchodilator responsiveness test result

Beatriz Martins (São Mamede De Infesta, Portugal), Pedro Amorim, Miguel Narciso, Anabela Marinho

Bronchodilator responsiveness in Patients with Asthma and COPD: 2005 vs 2021 ERS/ATS criteria

Chaima BRIKI (ariana, Tunisia), Khoulood Kchaou, Balsam Barkous, Sirine Jamli, Saloua Ben Khamsa Jamelledine

Temporal validation of a clinical prediction model for methacholine challenge testing

Mathieu Saint-Pierre (Ottawa, Canada), Joseph Abdounour

Etiological and functional characterization of mixed ventilatory impairment in Tunisian patients

Balsam Barkous (ARIANA, Tunisia), Khoulood Kchaou, Soumaya Khaldi, Chaima Briki, Sirine Jamli, Saloua Ben Khamsa Jameledine

Role of vitamin D in modulating inflammation in obesity-associated asthma.

Naouel Chibout (Constantine, Algeria), Mohamed Bougrida, Omar Chabati, Mohamed Kheireddine Bourahli

THE ROLE OF RESPIRATORY FUNCTION TESTS IN INFANTS WITH SUSPECTED AIRWAY OBSTRUCTION

Silvia Bloise (Roma (RM), Italy), Raffaella Nenna, Laura Petrarca, Maria Giulia Conti, Antonella Frassanito, Enrica Mancino, Luigi Matera, Greta Di Mattia, Domenico Paolo La Regina, Fabrizio Virgili, Elisa Gatti, Fabio Midulla

Evaluating the validity and reliability of the EzPAP® manometer

Kerrie Saliba (Hammondville, Australia), Felicity Blackstock, Bredge Mccarren, Clarice Tang

Comparison of lung clearance index (LCI) in healthy children from a commercial open circuit, nitrogen washout device to data from published studies

Christopher Hine (Birmingham (West Midlands), United Kingdom), Maya Desai, Elizabeth Sapey, Jane C Davies, Prasad Nagakumar

Lung clearance index as a marker of lung functional impairment in primary ciliary dyskinesia: preliminary results of a systematic review of the literature

Andreas M. Matthaiou (Drafi, Rafina-Pikermi, Attica, Greece), Alexandra Demetropoulou, Panayiotis Kouis, Panayiotis K. Yiallourous, Pinelopi Anagnostopoulou

The feasibility of Lung Clearance Index (LCI) in healthy children using a commercial open circuit ultrasonic device

Christopher Hine (Birmingham (West Midlands), United Kingdom), Maya Desai, Georgina Kelly, Rasiah Thayakaran, Elizabeth Sapey, Jane C Davies

The relationship between generic Health-related quality of life by the 36-Item Short Form Health Survey questionnaire (SF-36) and pulmonary function test

Punchalee Kaenmuang (Songkhla, Thailand), Detrakarn Ratruakorn, Sarayut Lucien Geater

Comparison of lung volume measurements using body plethysmography, multiple-breath nitrogen washout and single-breath gas dilution methods

Matthew Hegewald (Murray, United States), Thomas Decato, Dave Collingridge

Should a normal forced vital capacity be used to rule out a restrictive ventilatory disease?

Balsam Barkous (ARIANA, Tunisia), Fatma Guezguez, Arwa Yahyaoui, Amani Sayhi, Ines Ghannouchi, Sonia Rouatbi

Can we rely on a decrease in forced vital capacity (FVC) to confirm a restrictive ventilatory defect (RVD)?

Amani SAYHI (tunis, Tunisia), Yosra Abdelhedi, Arwa Yahyaoui, Mariem Abdesslem, Khawla Mahmoudi, Nadia Lazreg, Fatma Guezguez, Sonia Rouatbi, Ines Ghannouchi

Disease Severity and Ongoing Inflammation after Sars-Cov-2

Catherine Farrow (Westmead, Australia), Robert Robles, Terance Amis, Kristina Kairaitis

PS-20 in poster area**Session****08:00 - 09:30****Poster session: Ongoing imaging-related clinical studies in chronic obstructive pulmonary disease, asthma, interstitial lung disease and other pulmonary diseases****Disease(s) :** Airway diseases Interstitial lung diseases Thoracic oncology**Method(s) :** Imaging Pulmonary function testing Surgery General respiratory patient care Endoscopy and interventional pulmonology**Chairs :** Anna Kerpel-Fronius (Budapest, Hungary)**Side-specific assessment of lung function in children with congenital diaphragmatic hernia - functional matrix pencil decomposition MRI as a promising diagnostic tool**

Carmen Streibel (Bern, Switzerland), C Corin Willers, Grzegorz Bauman, Orso Pusterla, Oliver Bieri, Marion Curdy, Matthias Horn, Carmen Casaulta, Steffen Berger, Gabriela Marta Dekany, Elisabeth Kieninger, Andreas Bartenstein, Philipp Latzin

Multisite Hyperpolarized 129Xe MRI Study of Pediatric Primary Ciliary Dyskinesia

Wallace Wee (Toronto (ON), Canada), Brandon Zquette, Samal Munidasa, Sharon Braganza, Daniel Li, Rachel Eddy, Jonathan Rayment, Felix Ratjen, Giles Santyr, Sharon Dell

Seven years of functional lung MRI in children: experiences of more than 900 matrix-pencil decomposition (MP-)MRI measurements in clinics and research

Carmen Streibel (Bern, Switzerland), C. Corin Willers, Grzegorz Bauman, Orso Pusterla, Oliver Bieri, Enno Stranzinger, Ben Brabant, Marion Curdy, Yasmin Salem, Carmen Casaulta, Insa Korten, Sophie Yammine, Philipp Latzin, Elisabeth Kieninger

Higher pulmonary artery and vein volumes are associated with disease severity and mortality in smokers with and without COPD

A. K. A. L. Kwee (Utrecht, Netherlands), T. Van Der Veer, L. Gallardo Estrella, Eleni Rosalina Andrinopoulou, Jean-Paul Charbonnier, Harm A. W. M. Tiddens, Stephen M. Humphries, David A. Lynch, Pim A. De Jong, E. Pompe

Radiologic features of COPD exacerbations: quantitative analysis of thorax computerised tomography

Selin Ercan (Izmir, Turkey), Ali Canturk, Emre Ruhut Avci, Naciye Sinem Gezer, Saliha Selin Ozuygur Ermis, Gozde Tokatli, Gokcen Omeroglu Simsek, Pinar Balci, Aylin Ozgen Alpaydin

Defining a CT phenotype of severe COPD patients who develop hypercapnia

Renzo Boersma (Groningen, Netherlands), Peter Wijkstra, Jorine Hartman, Marieke Duiverman

Correlation between frailty and reduced cortical thickness in Chronic Obstructive Pulmonary Disease.

Ayumi Fukatsu-Chikumoto (Ube-city, Japan), Tsunahiko Hirano, Shun Takahashi, Takuya Ishida, Tomihiro Donishi, Kazuyoshi Suga, Keiko Doi, Keiji Oishi, Shuichiro Ohata, Yoriyuki Murata, Yoshikazu Yamaji, Maki Asami-Noyama, Nobutaka Edakuni, Tomoyuki Kakugawa, Kazuto Matsunaga

Inter-disease variability in Dynamic Chest Radiography measurements and Pulmonary Function Tests in patients with Asthma, COPD and ILD

Rachel Burton (Liverpool, United Kingdom), Michael Cheung, Ryan Robinson, Fred Fyles, Thomas Fitzmaurice, Hassan Burhan

Comparison of HRCT and SPECT in the estimation of emphysema heterogeneity for endoscopic lung volume reduction

Meropi Karakioulaki (Freiburg im Breisgau, Germany), Tim Jonas Hallenberger, Desiree Schumann, Michael Tamm, Daiana Stolz

Optimized detection of pulmonary emphysema on CT scans of lung cancer screening participants

Hailan Liu (Groningen, Netherlands), Daiwei Han, Marleen Vonder, Marjolein Heuvelmans, Jaeyoun Yi, Zhaoxiang Ye, Harry De Koning, Matthijs Oudkerk

The clinical significance of CT-Thorax in the assessment of difficult to treat Asthma

AMER ALMAGHRABI (BIRMINGHAM, United Kingdom), Ali Bahron, Julie Marsh, Adel Mansur

Needle based confocal laser endomicroscopy for real-time granuloma detection

Tess Kramer (Amsterdam, Netherlands), Saskia Van Heumen, Lizzy Wijmans, Christopher Manley, Sandeep Bansal, Dawn Jeannerat, Martijn De Bruin, Peter Bonta, Jouke Annema

Sensitivity of chest x-ray for visualisation of one brand of indwelling pleural catheter

Sophie Edgell (Newcastle, Australia), John Harrington, Vineeth George

HRCT composite fibrosis score correlates with clinical and physiological parameters in IPF

Nils Hoyer (København NV, Denmark), Michael Brun Andersen, Lenne Collatz Lastrup, Saher Burhan Shaker

Significance of FDG uptake in nodes of IPF patients undergoing PET imaging

Jagdeep Sahota (Letchworth Garden City, United Kingdom), Balaji Ganeshan, Thida Win, Francesco Fraioli, Raymondo Endozo, Robert Shortman, Ashley M Groves, Joanna C Porter

Assessing the impact of local lung cancer screening on our regional interstitial lung diseases service

Raja Muthusami (Hereford, United Kingdom), Shiva Bikmalla, Imran Hussain, Helen Stone

Endoscopic measurement of parenchymal near infrared radiation transmittance correlates with HRCT derived lung tissue density in lung fibrosis patients.

Jiří Votruba (Praha 2, Czech Republic), Zuzana Šestáková, Tomas Bruha

A missed opportunity - fibrosis on previous abdominal CTs in patients referred to an ILD clinic

Jude Wellens-Mensah (Perth, United Kingdom), Matthew Embley, Paul Cadden, Mudher Al-Khairalla, Peter Williamson, Mark Spears

Observer agreement in the diagnosis of interstitial lung diseases

Rebecca Saray Marchesini Stival (Rio Grande (RS), Brazil), Pedrazzani Bruno, Ariele Haagsma, Cristina Pellegrino Baena

Spirometry and chest HRCT abnormalities in symptomatic and asymptomatic patients with inflammatory bowel disease

Asmaa Mohammed Elshazly (Alexandria, Egypt), Rasha Dabees, Mahmoud Reda, Fahmy Hablas, Ahmed Samir, Nashwa Abdel-Wahab

PS-12 in poster area**Session****08:00 - 09:30****Poster session: Recent advances in behavioural science in chronic respiratory disease****Disease(s) :** Respiratory critical care | Airway diseases | Thoracic oncology | Sleep and breathing disorders | Interstitial lung diseases | Pulmonary vascular diseases**Method(s) :** Public health | General respiratory patient care | Pulmonary rehabilitation | Epidemiology | Respiratory intensive care | Physiology**Chairs :** Marieke Verkleij (Amsterdam, Netherlands), Jeannette Jacobs-Peters (Nijmegen, Netherlands)**The influencing factors of depressive symptom trajectories among COPD patients**

Cui Wang (Beijing, China), Hongbo Chen, Peiyuan Liu, Ziqiu Zou, Shaomei Shang

Impact of Shared Decision Making on medication adherence in patients with COPD and/or asthma: The ANANAS study.

Maria Achterbosch (Groningen, Netherlands), Priya Vart, Liset Dijk, Van, Job Boven, Van

Improving depression symptoms in COPD patients through home-based pulmonary rehabilitation with health coaching

Maria Benzo (Rochester, United States), Madison Roy, Roberto Benzo

COPD-related anxiety: A systematic review of patient perspectives.

Camilla Fischer Christiansen (Børkop, Denmark), Anders Løkke, Vibeke Bregnballe, Thomas Prior, Ingeborg Farver-Vestergaard

COVID-19 vaccination hesitancy in the European population aged 50+

Anna Boros (Warszawa, Poland)

The use of a questionnaire underpinning Capability, Opportunity, and Motivation to determine the psychological and behavioural barriers to adherence in patients with asthma (The COM-Behaviour asthma study).

Alice Munns (Kent, United Kingdom), Laura Wiffin, Daphne Kaklamanou, Ina Kostakis, Alessandra Fasulo, Thomas Brown, Anoop Chauhan

Neurocognitive and Neuropsychiatric Sequelae of Long COVID (LC) patients (pts)

Paraskevi Katsaounou (Athens, Greece), Evniki Ntinopoulou, Maria Karytinou, Sofia Margariti, Sofia Sideri, Katerina Poprelka, Theodoros Fasilis, Panayiotis Patrikelis, Maria Stefanatou, Archodoula Adonoglou, Sofia Pappa, Stylianos Gatzonis

Emotions associated with bouts of cough. A study in patients with refractory/unexplained chronic cough

Ebymar Arismendi Nunez (Vilassar de Dalt, Barcelona, Spain), Luis Puente-Maestu, Ignacio Dávila, Santiago Quirce, Francisco Javier González-Barcala, Luis Cea-Calvo, Marta Sanchez Jareño, Cristina Rivas-Pardinas, Christian Domingo-Ribas

Measuring the stigma of long COVID: principles and practices transferrable to other stigmatizing respiratory conditions

Ronald Damant (Edmonton (AB), Canada), Liam Rourke, Ying Cui, Grace Lam, Maeve Smith, Desi Fuhr, Jacqueline Tay, Rhea Varughese, Cheryl Laratta, Angela Lau, Eric Wong, Mike Stickland, Giovanni Ferrara

A qualitative study explaining family-management of children's and young people's asthma in the changing COVID-19 context

Grace Lewis (Leeds, United Kingdom), Linda Milnes, Alexandra Adams, Jürgen Schwarze, Alistair Duff

Non-Invasive Ventilation (NIV) in people affected by COVID-19 pneumonia: evaluation between acute and rehabilitation settings

Eleonora Volpato (Milano (MI), Italy), Paola Pierucci, Valentina Poletti, Lavinia Di Palma, Alessandro Pilon, Giovanna Elisiana Carpagnano, Laura Fagetti, Paolo Banfi

Sleep disorders between COVID-19 survivors with different levels of fear of COVID

Liseth Sarai Castañeda Ordóñez (Ciudad de México, Mexico), Viridiana Peláez Hernández, Diana Everanda Torres Gómez, Mauricio Reyes Franco, Adrián Rosas Trujillo, Fernando Casarin López, Ana Patricia Pedro Portillo, Nadia Hernández López, Mildred Corina De La Concha Duarte, Guiedani Galván Bautista, Arturo Rodríguez Medina, Luz Jiménez Gallardo, Rocío Sánchez Santillán, Arturo Orea Tejeda, Alvaro Montañez Orozco

The usefulness of relationships assessing between personality dimensions as an element differentiating patients with obstructive sleep apnea.

Paweł Kwiecień (Warsaw, Poland), Joanna Domagała-Kulawik

Effectiveness of brief referral methods for smoking cessation – a literature review

Mads Hansen (Odense C, Denmark), Ingeborg Farver-Vestergaard, Anders Løkke

Anxiety, depression and PTSD in COVID-19 survivors with and without invasive mechanical ventilation

Fernando Casarin López (Mexico City, Mexico), Viridiana Pelaez Hernandez, Adrian Rosas Trujillo, Celia Deyanira Ledesma Ruiz, Ana Patricia Pedro Portillo, Diana Everanda Torres Gómez, Mauricio Reyes Franco, Liseth Sarai Castañeda Ordóñez, Arturo Orea Tejeda, Rocío Sanchez, Guiedani Galván, Nadia Hernández López, Arturo Rodriguez, Mildred Corina De La Concha Duarte

Reassessing the mental health of Respiratory High Care Unit (RHCU) staff in the aftermath of the COVID-19 pandemic

Hannah Badawy (solihull, United Kingdom), Catherine Salisbury, See Ling Tan, Abhimanyu Lal

Psychological affectation in caregivers of respiratory failure patients by age groups

Diana Everanda Torres Gómez (Ciudad de México, Mexico), Viridiana Peláez Hernández, Liseth Sarai Castañeda Ordóñez, Mauricio Reyes Franco, Fernando Casarín López, Adrián Rosas Trujillo, Ana Patricia Pedro Portillo, Nadia Hernández López, Mildred Corina De La Concha Duarte, Guiedani Galván Bautista, Arturo Rodríguez Medina, Luz Jiménez Gallardo, Rocío Sánchez Santillán, Arturo Orea Tejeda

Autonomic alterations measured by temperature in COVID-19 survivors with and without IMV

Adrian Rosas Trujillo (CDMX, Mexico), Viridiana Peláez Hernández, Mauricio Reyes Franco, Diana Everanda Torres Gómez, Fernando Casarín López, Liseth Sarai Castañeda Ordóñez, Celia Deyanira Ledesma Ruiz, Ana Patricia Pedro Portillo, Mildred Corina De La Concha Duarte, Arturo Rodríguez Medina, Nadia Hernández López, Guiedani Galván Bautista, Luz Magdaly Jiménez Gallardo

Smoking behavior of the Tunisian physicians

Hana Mrassi (Tunis, Tunisia), Hanen Smadhi, Ines Akrou, Hela Hassene, Imen Noura, Lamine Megdiche

A survey exploring the characteristics of current and former smokers with suspected lung cancer

Ingeborg Farver-Vestergaard (Vejle, Denmark), Mojtaba Saei, Morten Borg, Ole Hilberg, Anders Løkke

PS-13 in poster area

Session

08:00 - 09:30

Poster session: COVID-19 biomarkers

Disease(s) : Respiratory critical care Airway diseases

Method(s) : Cell and molecular biology Physiology Respiratory intensive care Imaging Pulmonary function testing Public health
General respiratory patient care

Chairs : Ignacio Martin-Loeches (Dublin, Ireland)

LSC - 2023 - Elevated CD27-IgD- B cells in Post-Acute COVID-19 Sequelae Patients with Rheumatological Symptoms

Nadia Suray Tan (Hamilton, Canada), Kayla Zhang, Joshua F.E. Koenig, Snehal Somalwar, Nardien Sedhom, Mei Nee Chiu, Rameen Jamil, Zil Patel, Margaret Larché, Terence Ho, Sarah Svenningsen, Dawn M.E. Bowdish, Manel Jordana, Konstantinos Tselios, Manali Mukherjee

Krebs Von den Lungen-6 as a predictive indicator for the risk of secondary pulmonary fibrosis and its reversibility in COVID-19 patients

Runpei Lin (GuangZhou, China), Mingshan Xue, Teng Zhang, Hao Chen, Yifeng Zeng, Ning Li, Zhifeng Huang, Luqian Zhou, Xiaohua Douglas Zhang, Baoqing Sun

Oxidative stress parameters and leukocyte telomere dynamic change in patients with COVID-19 infection – three weeks of follow up

Marina Roksandić Milenković (Beograd, Republic of Serbia), Dejan Dimic, Nemanja Dimic, Jelena Kotur Stevuljevic, Azra Guzonjic, Danica Cuic, Dejan Zujovic

Balance between neutrophil extracellular trap formation and DNase activity in COVID-19 patients: a prospective cohort study

Renaud Prével (Bordeaux, France), Geoffrey Garcia, Sylvie Colomer-Labrousche, Alexandre Duvignaud, Etienne Clequin, Charles Dussiau, David-Alexandre Tregouët, Denis Malvy, Julien Goret, Maria Mamani-Matsuda, Antoine Dewitte, Chloe James

Levels of inflammatory and cardiac biomarkers as a predictor factor for complications and outcomes in hospitalized COVID-19 patients

Nona Rovira Ribalta (Solsona, Spain), Catia Cilloniz, Ruben López-Aladid, Ana Motos, Josep Lluís Bedini, Alba Soler-Comas, Roberto Cabrera, Kasra Kiarostami, Blanca Llonch, Laia Fernández-Barat, Antoni Torres

Altered red blood cell metabolism in COVID-19: A source of biomarkers to predict evolution

Francisco Sanz Herrero (Quart de Poblet (Valencia), Spain), Francesc Puchades, Martina Palomino-Schätzlein, Rita Ortega-Vallbona, Noelia Carrión Collado, José Raúl Herance, Miguel García Del Toro, Estrella Fernández-Fabrellas, Juan José Tamarit

Altered peripheral blood neutrophil profiles are associated with persistent symptoms post-COVID19

Chloe Hughes (Dundee, United Kingdom), Merete Long, Holly Keir, Yan Hui Giam, Thomas Pembridge, Amy Gilmour, Amelia Shoemark, David Connell, Faisal Khan, James Chalmers

Evaluating the utility of a serum calprotectin lateral flow test in acute lung infection

Amy Gilmour (Dundee, United Kingdom), Chloe Hughes, Merete B Long, Holly R Keir, Yan Hui Giam, Hani Abo-Leyah, Thomas Pembridge, Lilia Delgado, Rebecca C Hull, Benjamin Jm New, Rebecca Dowey, Helena Turton, Alison M Condliffe, James D Chalmers, A A Rodger Thompson

TSLP gene polymorphisms and alarmin protein levels in COVID-19

Maral Ranjbar (Hamilton, Canada), Ruth Cusack, Christiane Whetstone, Shiraz Nawaz, Christopher Khoury, Jennifer Wattie, Lesley Wiltshire, Jennifer Le Roux, Eric Cheng, Thivya Srinathan, Terence Ho, Roma Sehmi, Mylinh Duong, Gail Gauvreau

Phenotypic Characteristics of Hospitalized Patients with COVID-19 Pneumonia Using Machine Learning Consensus Clustering Approach

Nuttinan Nalinthasnai (Bangkok, Thailand), Dararat Eksombatchai, Viboon Boonsarngsuk, Pongdhep Theerawit, Yuda Sutherasan, Detajin Junhasavasdikul, Somnuek Sangkanuparph, Tanapat Tassaneyasin, Ratchainant Thammasudjarit, Tananchai Petnak

Cytokine and chemokine signature of COVID-19 and predictive markers

Maral Ranjbar (Hamilton, Canada), Ruth Cusack, Christiane Whetstone, Shiraz Nawaz, Christopher Khoury, Jennifer Wattie, Lesley Wiltshire, Jennifer Le Roux, Eric Cheng, Thivya Srinathan, Terence Ho, Roma Sehmi, Mylinh Duong, Gail Gauvreau

Soluble Bradykinin as a clinical prognostic marker for SARS-CoV2?

Pajanivel Ranganadin (PONDICHERRY (Tamil Nadu), India), Agiesh Kumar Balakrishnan, Vignesh Mariappan

COVID-19 pneumonia: when do eosinophils matter?

Nicol Bernardinello (Trecenta (RO), Italy), Dylan Pasin, Giulia Grisostomi, Chiara Giraudo, Gioele Castelli, Elisabetta Cocconcelli, Anna Maria Cattelan, Paolo Spagnolo, Elisabetta Balestro

miR-21-5p high expression levels in younger hospitalized COVID-19 patients are associated with mortality and critical disease

Ramcés Falfán-Valencia (Ciudad de México (CDMX), Mexico), Brandon Bautista-Becerril, Karol J Nava-Quiroz, Ingrid Fricke-Galindo, Ivette Buendía-Roldán, Gloria Pérez-Rubio, Leslie Chávez-Galán, Angel Camarena, Rafael Dj Hernández-Zenteno

Vitamin D values in post-COVID syndrome patients are lower than in control groups

Jens Bräunlich (Leipzig, Germany)

Procalcitonin to rule out early bacterial coinfection in COVID-19 critically ill patients

Francesco Bindo (Cusano Milanino, Italy), Flavia Galli, Anna Motos, Laia Fernandez-Barat, Enric Barbeta, Sofia Misuraca, Andrea Palomeque, Ferran Barbé, Antoni Torres

Who gets persistent symptoms and why - analysing the plasma proteome in long COVID

Emma Denny (London, United Kingdom), Spyros I Vernardis, Robert Chapman, Rebecca Evans, Brintha Selvarajah, Toby Hillman, Melissa Heightman, Jeremy S Brown, Markus Ralser, Joanna C Porter

Predictors of mortality among COVID-19 patients in Shebin El Kom Chest Hospital

Rana Helmy El-Helbawy (Shebin El-Kom, Egypt), Sarah El-Sayed Zaki Zaki, Ahmed Abd El-Rahman Ali, Asmaa Metwally Abd El-Tawab

Ferritin to Procalcitonin (F/P) ratio in patients with COVID19 pneumonia versus bacterial pneumonia. Do we have a reliable and challenging biomarker?

Radmila Dmitrovic (Belgrade, Republic of Serbia)

Late Breaking Abstract - Erdosteine and its metabolite MET-1 modulate innate immunity and stress oxidative state in SARS-CoV-2 infection

Sergio Strizzi (Milan, Italy), Fiammetta Danzo, Claudia Vanetti, Mara Biasin, Dejan Radovanovic, Daria Trabattoni, Pierachille Santus

PS-18 in poster area**Session****08:00 - 09:30****Poster session: New approaches in rare interstitial lung diseases****Disease(s) :** [Interstitial lung diseases](#) [Airway diseases](#)**Method(s) :** General respiratory patient care Epidemiology Cell and molecular biology Pulmonary function testing Imaging**Chairs :** Cormac McCarthy (Dublin 4, Ireland)**Efficacy of Jak inhibitors in children with intra-alveolar haemorrhage not related to COPA gene mutations**

Anaïs LE (Paris, France), Thomas Perrin, Philippe Drabent, David Drummond, Philippe Reix, Marie-Louise Fremond, Alice Hadchouel

Cyclic AMP-dependent up-regulation of surfactant protein B in differentiating alveolar basal cells

Petra Khan (Basel, Switzerland), Sabrina Blumer, Spasenija Savic, Lars Knudsen, Danny Jonigk, Mark P. Kuehnel, Michael Tamm, Katrin E. Hostettler

Myeloid-dependent immunosuppressive features drive IPF progression

Dmytro Sirokha (Munich, Germany), Theodoros Kapellos, Valeria Viteri, Flavia Greiffo, Altana Namsaraeva, Lukas Heumos, Daniela Dietel, Marion Frankenberger, Oliver Eickelberg, Nikolaus Kneidinger, Ali Öender Yildirim, Herbert Schiller, Jürgen Behr, Isis Enlil Fernandez

WT SP-A restores abnormal oligomerization and secretion of mutant SFTPA1 and SFTPA2

Tifenn Desroziers (Paris, France), Yohan Soreze, Camille Fletcher, Serge Amselem, Florence Dastot Le Moal, Valérie Nau, Camille Louvrier, Marie Legendre, Sonia Karabina, Nadia Nathan

Altered regulation and pro-proliferative role of RNA binding proteins in idiopathic pulmonary fibrosis

Poornima Mahavadi (Gießen, Germany), Lisa Arnold, Martina Korfei, Andreas Guenther

Hypomorphic mutation in SFTPB leads to adult pulmonary fibrosis

Tifenn Desroziers (Paris, France), Grégoire Prévot, Aurore Coulomb, Valérie Nau, Florence Dastot-Le Moal, Aurélie Le Borgne, Serge Amselem, Marie Legendre, Nadia Nathan

Induced pluripotent stem cell derived type 2 alveolar epithelial cells: A novel platform for exploring telomere biology in pulmonary fibrosis

Mari Ozaki (Dublin 2, Ireland), Anj Schweikert, Fernanda Gutierrez-Rodrigues, Emma Groarke, Killian Hurley

Efficacy and safety of CFTR modulators in patients with interstitial lung disease caused by ABCA3 transporter deficiency

Mathilde Le Brun (Paris, France), Nadia Nathan, Marie Legendre, Justine Frija-Masson, Mwetty Onanga, Clairelyne Dupin, Lise Morer, Marie-Pierre Debray, Isabelle Fajac, Pierre-Régis Burgel, Bruno Crestani, Raphaël Borie

Necroptosis study in an epithelial in vitro model expressing surfactant protein A1

Ioannis Tomos (Athens (P. Faliro), Greece), Camille Fletcher, Tifenn Desroziers, Angela Arenas Garcia, Aphroditi Daskalopoulou, Camille Louvrier, Serge Amselem, Sonia Karabina, Nadia Nathan

Correlation between Quantitative 3D HRCT analysis and Lung Function in Diffuse Cystic Lung Diseases

Yasuhito Sekimoto (Dublin, Ireland), Evelyn Lynn, Brian Gaffney, Joseph Morrow, Marissa O'Callaghan, Amina Jouida, Jonathan D. Dodd, David Murphy, Michael P. Keane, Cormac McCarthy

Characterization of fibrodysplasia ossificans progressiva (FOP) by respiratory oscillometry (Osc)

Anastasiia Vasileva (Toronto, Canada), Joyce K. Y. Wu, Lianne Tile, Irene Ho, Angela M. Cheung, Chung-Wai Chow

Flow cytometric evaluation of whole lung lavage (WLL) fluid from patients with pulmonary alveolar proteinosis (PAP): preliminary findings

Lutz-Bernhard Jehn (Essen, Germany), Victoria Berg, Artur Kibler, Eda Boerner, Julia Waelscher, Bettina Budeus, Marc Seifert, Christian Taube, Francesco Bonella

Correlation between childhood interstitial lung disease (chILD) phenotype and ABCA3 variants

Simona Taverna (Palermo, Italy), Giuseppe Cammarata, Nicola Ullmann, Annalisa Allegorico, Velia Malizia, Anna Masucci, Stefania La Grutta, Renato Cutrera

Machine learned decision tree for diagnosis of ASMD among patients with unexplained ILD

Imre Noth (Charlottesville, United States), Francesco Bonella, Wim A Wuyts, Pauline Guilmin, Margaux Törnqvist, Stefaan Sansen, Alexandra Dumitriu, Neha Shah, Maja Gasparic, Martin Montmerle

Interleukin-6 and krebs von den lungen-6 in lymphangioleiomyomatosis patients

Beatrice Perea (SIENA, Italy), Miriana D'Alessandro, Laura Bergantini, Sara Gangi, Benedetta Zilio, Paolo Cameli, Elena Bargagli

Implication of the complement cascade in the establishment of the pre-metastatic niche through the induction of the epithelial-to-mesenchymal transition by circulating exosomes in lymphangioleiomyomatosis (LAM)

Amina JOUIDA (Dublin, Ireland), Patrick Mcfadden, Grace Buckley, Evelyn Lynn, Marissa O'Callaghan, Yasuhito Sekimoto, Aurelie Fabre, Michael P Keane, Cormac McCarthy

DIAGNOSTIC VALUE OF KL-6 AND GDF-15 IN LYMPHANGIOLEIOMYOMATOSIS.

Marta Garcia Moyano (Barakaldo, Spain), Borja Santos Zorroza, Eva Tabernero Huguet, Francisco Javier Martinez Núñez, Vanessa Zorrilla Lorenzo, Beatriz González Quero, Beatriz Gómez Crespo, Leticia Ceberio Hualde, Ederne Echevarria Guerrero, Laura Cortezón Garcés, Raquel Perez Garay

Cystatin C is associated with interstitial lung abnormalities features

Yuchen Zhang (Chengdu, China), Min Zhu, Huajing Wan, Fengming Luo

Impact of familial character and/or the existence of a mutation in telomere-related genes in patients with pleuroparenchymal fibroelastosis

Alice Camboulive (Asnières-sur-Seine, France), Raphael Borie, Marjorie Latrasse, Marie-Pierre Debray, Diane Bouvry, Bruno Crestani, Nadia Nathan, Lucile Sese, Pierre-Yves Brillet, Caroline Kannengiesser, Hilario Nunes

Determining the diagnostic yield of genomic testing in interstitial lung disease in Ireland

Jisha Jasmin (Dublin 2, Ireland), Wan Lin Ng, Anja Schweikert, Laura Durcan, Donough Howard, Gianpiero L. Cavalleri, Katherine A. Benson, Killian Hurley

PS-1 in poster area**Session****08:00 - 09:30****Poster session: Critical care and management of chronic respiratory failure****Disease(s) :** Airway diseases Interstitial lung diseases Respiratory critical care Sleep and breathing disorders Thoracic oncology**Method(s) :** Pulmonary rehabilitation Epidemiology General respiratory patient care Palliative care Physiology Respiratory intensive care Pulmonary function testing Surgery Public health**Chairs :** Natasha Smallwood (Melbourne (VIC), Australia)**The effect of early pulmonary rehabilitation on the treatment of ICU chronic obstructive pulmonary disease with severe respiratory failure**

Fangbo Zhao (Changchun (Jilin), China), Hongjing Lin

A contemporaneous comparison of functional recovery in ECMO and non-ECMO survivors of acute respiratory failure

Andrea Levine (Baltimore, United States), Noel Britton, Mackenzie Snyder, Binta Njie, Sara Viola, Hatoun Abbas, Waqas Bhati, Ryan Lee, Siu Yan Yeung

Delivering home mechanical ventilation: Evaluating a regional outreach service.

Laura Tregidgo (London, United Kingdom), Christopher Steward, Roy Enriquez, Nicholas Skipper, Sasha Fudio, Nicholas Hart, Georgios Kaltsakas, Philip Marino, Michelle Ramsay, Shelley Srivastava, Joerg Steier, Eui-Sik Suh, Patrick B Murphy, Rebecca F D'Cruz

Ventilatory support and telemonitoring in patients with neuromuscular disease: a prospective study.

Claudia Simeire Albertini (São Paulo (SP), Brazil), Diogo Fernandes Dos Santos, Ana Elizabeth Cunha Guimarães De Almeida, Laerte Honorato Borges Junior, Vinicius Oliveira, Maria Fernanda Prado Rosa, William Nicoletti Turazza Da Silva, Daniela Name Chaul Vidigal, Isabella Cristina Guimarães De Almeida

Long term outcome of patients treated with home NIV according to pulmonary rehabilitation (PR) attendance

Léa Razakamanantsoa (Paris, France), Typhaine Huchard, Jean-François Muir, Antoine Cuvelier, Tristan Bonnevie, Maxime Patout

PaCO₂ vs etCO₂ correlations in Amyotrophic Lateral Sclerosis patients during routine out-patient follow-up

Dario D'Amato (Grumo Appula, Italy), Paola Pierucci, Gualtiero Ermando Romano, Marialuisa De Candia, Simone Rizzelli, Pierluigi Intiglietta, Alessandro Palumbo, Luciana Labate, Nicola Valerio, Alessandro Pilon, Chiara Massaro, Giovanna Elisiana Carpagano

Pilot clinical study on the safety, tolerance and comfort of thoracic vibratory therapy by electrostimulation. Phase 1. The ELECTROVEST study.

Maria Del Pilar Cejudo Ramos (Sevilla, Spain), Antonio Y. Méndez Alonso, Inmaculada Ortiz Molina, Rosa Vazquez Sanchez, Lola Nuñez Ollero, Fernando Diaz Guerrero, Mar Elena, Sergio Tejero Garcia, Miguel Angel Giráldez Sánchez, Esther Quintana Gallego

Breathlessness and exercise performance to predict mortality in long-term oxygen therapy

Filip Björklund (Karlskrona, Sweden), Andreas Palm, Jwan Abdulrazak Gorani, Zainab Ahmadi, Josefín Sundh, Jenny Theorell Haglöw, Mirjam Ljunggren, Ludger Grote, Karin Wadell, Magnus Ekström

Evaluation of a novel domiciliary long term oxygen therapy assessment service

Kathleen McGee (Glasgow, United Kingdom), Michael Mcgettrick, Katherine Rooney, Christopher Wills, Hannah Bayes

Enhancing advance care planning and palliative care for respiratory patients: A 4-year review of integrated respiratory palliative MDT

Muhammad Salman Rashid (Leeds, United Kingdom), Suzie Gillon, Mike Stockton, Ellie Kane, Ash Birtles, Alison Boland

Advances in Telemonitoring of Home Mechanical Ventilation (Brazil): Outcomes and update

Claudia Simeire Albertini (São Paulo (SP), Brazil), João Paulo Silveira, Maria Clariane Berto Hayashi, Vinicius Oliveira, Gerardo Ferrero, Debora Nunes Da Silva, Miguel Victor Deganutti Krause

Title: Effects of exercises on lung function of NCFB and healthy subjects evaluated by impulse oscillometry system

Ada Clarice Gastaldi (Ribeirao Preto (SP), Brazil), Daniele Oliveira Dos Santos, Ana Lara De Castro Rodrigues, Larisse Souza Reis, Jéssica Perossi, Sulamita Pereira Rosa, Larissa Perossi, Hugo Celso Dutra De Souza, José Antônio Baddini-Martinez

Determination of parameters associated with physical activity levels in spinal cord injury

Kubra Kardes (BAĞCILAR, Turkey), Yasemin Buran Cirak, Emine Atici, Burcu Isikci, Yunus Emre Tutuneken, Nurgül Durustkan Elbasi

Oropharyngeal dysphagia in COPD patients

Anne Sophie Malishchuk (Rouen, France), Armand Bonne, Rimeh Ayari, Eric Verin

Pulmonary rehabilitation following hospitalised exacerbations in people with bronchiectasis

Jennifer Kilduff (London, Ireland), Claire Nolan, Suhani Patel, Anand Shah, Janet Stowell, William Man

Infant tracheostomy-consider the need for long term ventilation (LTV) in infants needing tracheostomy for airway issues

Siddhant Lalwani (pune, India), Swathi Sanapala, Channa Panagamuwa, Prasad Nagakumar, Isobel Brookes

Patients' clinical and psychological status in different COVID-19 waves: a quanti-qualitative study

Marina Maffoni (Montescano, Italy), Martina Vigorè, Valeria Torlaschi, Alessandra Gorini, Maria Teresa La Rovere, Roberto Maestri, Maurizio Bussotti, Sergio Enea Masnaghetti, Francesco Fanfulla, Antonia Pierobon

Building healthcare professionals consensus on non-pharmacological patient care priorities during hospitalisation and post-discharge phases following acute exacerbation of chronic obstructive pulmonary disease (AECOPD)

Bedor Alkhathlan (Leicester, United Kingdom), Neil Greening, Theresa Harvey-Dunstan, Sanjay Ramakrishnan, Sally Singh

Prehabilitation in lung cancer surgery: A review and meta-analysis of RCT studies

Kalliopi Athanassiadi (Athens, Greece), Dimitrios Magoulitis, Evangelia Chatzimichali, Evangelia Liverakou, Aikaterini Katsandri, Ioannis Kalomenidis, Paraskevi Katsaounou

The Successful Procedures Of weaning from Tracheostomy (SPOT) study: preliminary analysis of predictive factors for failure and validation of the QsQ score

Dejan Radovanovic (Milano (MI), Italy), Marina Gatti, Debora Spitaleri, Stefano Pini, Marina Saad, Andrea Gramegna, Michele Mondoni, Stefano Aliberti, Fabiano Di Marco, Stefano Centanni, Francesco Blasi, Pierachille Santus

PS-6 in poster area**Session****08:00 - 09:30****Poster session: Telemedicine and diagnostic tools for sleep-disordered breathing****Disease(s) :** Sleep and breathing disorders Airway diseases**Method(s) :** Physiology Epidemiology Public health General respiratory patient care Pulmonary rehabilitation**Chairs :** Ludger Grote (Göteborg, Sweden), Mafalda van Zeller (Porto, Portugal)**Evaluation of sleep disordered breathing (OSA/OHS) service during the covid -19 pandemic in a west of ireland tertiary hospital**

Katherine Finan (Sligo (County Sligo), Ireland), Mary Doherty

Revolutionizing OSA management: a hybrid healthcare pathway powered by telemedicine improves patient outcomes and enhances healthcare sustainability

Ana Rita Peixoto Pedroso (Vila De Prado, Portugal), Joana Naia, Marta Silva, Diana Pimenta, Ana Luísa Vieira, Lurdes Ferreira

Are OSA patients really inclined to use telemedicine services? A single centre Italian survey

Francesco Fanfulla (Pavia (PV), Italy), Irene Risi, Paola Crotti, Elena Robbi, Simona Arcovio

Initiating CPAP with automatic modalities have no differences with conventional clinical practice

ignacio vicente (sabadell, Spain), Aida Muñoz-Ferrer, Borja Domnigo Cardenal, Cristina Esquinas López, Susana Pou Serramia, Juan Treviño Benavente, Toni Zapata Comas, Jorge Abad Capa

A retrospective review of the impact of virtual CPAP set-up on outcomes

Chevanthy Gnanalingam (ROCHESTER, United Kingdom), Jo-Leng Lum, Sandip Banerjee

TELEMONITORING SLEEP APNEA TREATMENT Telemonitoring sleep apnea treatment

Maria Aguado Agudo (Zaragoza, Spain), Jorge Rodriguez Sanz, Teresa Martín Carpi, Luisa Cabrera Pimentel, Marta Miranda

Role of telemedicine (TM) in home positive airway pressure (hPAP) treatment: data from the MIMOSA (modern integrated management of obstructive sleep apnea [OSA] and/or chronic respiratory failure) study

Federica Di Giorgi (Caltavuturo (Palermo), Italy), Francesco Gambino, Massimiliano Desideri, Vanessa Lo Nano, Claudia Meschi, Alessandra Castrogiovanni, Chiara Cappiello, Marta Amata, Eva Palano, Laura Carrozzi, Maria Rosaria Bonsignore

Telemonitoring of obstructive sleep apnoea (OSA) patients on positive airway pressure (PAP) therapy in Malaysia

Mei Ching Yong (Kuching (Sarawak), Malaysia), Yik Hon Ho, Caryn Sujean Lim, Nga Hung Ngu, Chan Sin Chai, Swee Kim Chan, Sze Shyang Kho, Siew Teck Tie

Acceptance and cost-effectiveness of telemedicine in patients with obstructive sleep apnea: a single-center randomized controlled trial

Qiong Ou (Guangzhou, China), Guo Pei, Miaochan Lao, Longlong Wang, Yanxia Xu, Jiaoying Tan, Gaihong Zheng

EFFECT OF TELEREHABILITATION ON SLEEP DISORDERS IN OBESE CHILDREN AND ADOLESCENTS DURING THE COVID-19 PANDEMIC: A QUASI-EXPERIMENTAL STUDY WITH FOLLOW-UP

Evelim Gomes (São Paulo (SP), Brazil), Josiane Luiz, Manoella Andrade, Luciana Sampaio, Dirceu Costa

Quality assessment of sleep studies – comparison between face-to-face teaching and video demonstration

Joana Vieira Naia (Porto, Portugal), Diana Pimenta, Elisabete Santa Clara, Filipa Carriço, Daniela Rodrigues, Mafalda Van Zeller, Marta Drummond

Inline inspiratory infrasound detection during bilevel mask ventilation

Neil Skjodt (Lethbridge (AB), Canada)

CORRELATION BETWEEN CONNECTED BRACELETS AND POLYSOMNOGRAPHY IN SLEEP ASSESSMENT

Maha Ezzine (Fes, Morocco), Salma Animi, HALIMA ELBOUJAMAI, Mohamed Elbiaze, Mohamed Elbiaze, Amara Bouchra, Serraj Mounia, Mohamed Chakib Benjelloun

Model for the selection of candidate patients for respiratory polygraphy

Javier Sánchez Masa (Palencia, Spain), María Angeles Escobar Valero, Ana Pérez Dublang, Inés Salazar Lozano, Esther Alonso Sastre, Daniel Alvarez Gonzalez, Sara Barakat Fernández, María Covadonga Alonso Payo, Alba Daniela García Molina, Bea Cartón Sánchez, María Irene Alaejos Pascua, Enrique Alonso Mallo, Ana Isabel García Gonzalo, Francisco Javier Pagán Buzo, Ana María Andrés Porras, Jesús Andres De Llano, Andrea Crespo Sedano

In what body positions do people with OSA sleep?

Christiaan Yu (Clayton, Australia), Renel Cuesta, Eldho Paul, Teanau Roebuck, Belinda Miller

Night-to-night short-term variability in apnea-hypopnea index: analysis of the associated conditions

Renaud Tamisier (Grenoble, France), Jean-Benoit Martinot, Jean-Louis Pépin, Sébastien Bailly, Nhat-Nam Le-Dong

Drug induced sleep endoscopy in obstructive sleep apnea

IGNACIO JARA (Madrid, Spain), Sara González, Ana Victoria Castillo, María Ponte, Winnifer Briceño, Ana Retegui, Diego Durán, Camen Rodríguez, Alberto Carreño, Rafael Barberá, Antonio Pedrera, Lourdes Montes, Andrea Pérez, Aldara García, Irene Cano, Eva Mañas

Evaluation of anxiety and depression in patients with obstructive sleep apnea syndrome

yosra braham (Monastir, Tunisia), Imen Touil, Elhem Chaouch, Soumaya Bouchareb, Soumaya Boujneh, Maha Ben Mechlia, Leila Boussoffara, Jalel Kneni, Nadia Boudawara

PSG differences in sleepy versus non-sleepy obstructive sleep apnea (OSA) patients

Izolda Bouloukaki (Heraklion (Crete), Greece), Theofilis Vouis, Antonios Velidakis, Violeta Moniaki, Eleni Mavroudi, Giorgos Stathakis, Michail Fanaridis, Sophia Schiza

Obstructive sleep apnoea during rapid-eye movement sleep is predictive for response to treatment in patients with parasomnia

Fatima Saqib, Saad Aleem, Bryn Morris, Andras Bikov

PS-10 in poster area**Session****08:00 - 09:30****Poster session: Monitoring in chronic airway disease (1)****Disease(s) :** Airway diseases**Method(s) :** General respiratory patient care Public health Pulmonary function testing Epidemiology Imaging**Assessment of Small Airway Flow Parameters: A Comparative Study between Realistic and Idealistic Computational Models**

Yousry Khaled Mohamed Elmahdy Mohamady (Leuven, Belgium), Vincent Geudens, Charlotte De Fays, Iwein Gyselinck, Lucia Aversa, Pieter-Jan Kerckhof, Gitte Aerts, Astrid Vermaut, Hanne Beeckmans, Karen Maes, Lynn Willems, Marie Vermant, Emanuela Elsa Cortesi, Tinne Goos, John McDonough, Laurent Godinas, Rozenn Quarck, Wim Wuyts, Robin Vos, Laurens Ceulemans, Dirk Van Raemdonck, Ghislaine Ramirez, Wim Janssens, Marcel Filoche, Bart Vanaudenaerde

Clinical usefulness of exhaled breath temperature in asthma management

Mami Rikimaru (Fukushima, Japan), Junpei Saito, Yasuhito Suzuki, Atsuro Fukuhara, Tomoyoshi Lee, Ryuki Yamada, Riko Sato, Takumi Onuma, Hikaru Tomita, Natsumi Watanabe, Takaya Kawamata, Julia Morimoto, Ryuichi Togawa, Yuki Sato, Hiroyuki Minemura, Takefumi Nikaido, Naoko Fukuhara, Kenya Kanazawa, Yoshinori Tanino, Yoko Shibata

Association of blood eosinophils and exhaled nitric oxide with exacerbations in patients with asthma, COPD, and asthma+COPD: the NOVELTY study

Susan Muiser (Groningen, Netherlands), Hana Müllerova, Laura Belton, Clement Erhard, Nifasha Rusibamayila, Alvar Agustí, Rosa Faner, Ian Pavord, Hiromasa Inoue, David Price, José Olaguibel, Huib Kerstjens, Maarten Van Den Berge

Establishment of the alpha-1 research registry analyzing demographic and participant specific characteristics

Jeanine D'Armiento (New York, United States), Alison Keaveny, Laura Fonseca, Charlie Strange, James Michael Wells, Nadine Nuchovich, Randel Plant, Monica Goldklang

Recognizing asthma risk scenarios: individualized inhaler usage and inhalation parameter profiles from an electronic inhaler with integrated sensors

Mark L. Levy (London, United Kingdom), Flavia Hoyte, Giselle Mosnaim, Michael Wechsler, Guilherme Safioti, Nathalie Magnus, Katja Sagalovich, Sinthia Bosnic-Anticevich, Janwillem Kocks

Preventing hospital readmissions of COPD patients : alerting rules on vital signs for remote patient monitoring

Yann Le Guillou (Cesson-Sévigné, France), Florian Tilquin, Sylvain Le Liepvre, Graziella Brinchault, Tiphaine Guy, Fanny Thépault

COPD Screening and Ventilatory Function Assessment based on smartwatch sensor signals

Yibing Chen (Beijing, China), Lu Cao, Dahui Zhao, Song Meng, Dan Li, Wenjuan Chen, Jing Li, Kailun Xia, Lixin Xie

RS and PRISM: symmetric reductions in FEV1 and FVC?

Tobias Lorenz Mraz (Wien, Austria), Caspar Schiffrers, Emiel Wouters, Marie-Kathrin Breyer, Otto Burghuber, Sylvia Hartl, Robab Breyer-Kohansal

Validation of the Obstructive Lung Disease Questionnaire in a primary care cohort, with additional focus on ACO in primary and tertiary care

Liz Cuperus (Rotterdam, Netherlands), Cathelijne Van Zelst, Huib Kerstjens, Rudi Hendriks, Maureen Rutten-Van Molken, Jacqueline Muilwijk-Kroes, Gert-Jan Braunstahl, Hans In 'T Veen

Exploratory study of a risk prediction artificial intelligence model to diagnose asthma and COPD in Mexico

Ramses Hernandez (Mexico, Mexico), Roxana Rodriguez, Oscar Villalva, Joaquin Pimentel, Jose Luis Miguel, Miguel Angel Villasis

Utility of the Oscillometer in the detection of small airways dysfunction (SAD) in patients with respiratory symptoms and normal lung function

Raja Dhar (Kolkata (West Bengal), India), Sushmeeta Chhowala

Impulse oscillometry findings in subjects with preserved ratio impaired spirometry (PRISm)

Andrei Malinowski (Uppsala, Sweden), Gunnar Engström, Suneela Zaigham, Johan Sundström, Christer Janson, Per Wollmer

Double Pulmonary diffusing capacity for NO and CO (DLNO/CO) in patients with COPD: implications beyond traditional lung function assessments

Emilie Maufroy (Bruxelles, Belgium), Silvia Perez Bogerd, Kevin Forton, Corentin Scoubeau, Thomas Schaefer, Alain Michils, Alain Van Muylem, Vitalie Faoro

Nutrition Risk Index: A predictive metric of severity and subsequent lung impairment in COPD

Warda Jelassi (Tunis, Tunisia), Chaima Habouria, Nidhal Belloumi, Imen Bechouch, Fatma Chermiti, Soraya Fenniche

The effect of mobile health application on symptom control, self-efficacy and chronic disease management in COPD

Bilun Gemicioglu (Istanbul, Turkey), Neşe özdemir, Nuray Enç

Comparing testing parameters for forced oscillation technique among healthy Indians with published reference norms

Madhuri Batyala (Tirupati, India), Shantanu Tilak, Lancelot Pinto

Predictors of Pulmonary hypertension in chronic obstructive pulmonary disease

Lamia Shaaban (Assiut, Egypt), Ashraf Zin El-Abdeen Mohamed, Amira Emad El-Din, Ali Mohamed Tohami, Waleed Gamal

FeNO@Home: a proof of concept protocol for home monitoring fractional exhaled nitric oxide in patients with asthma

Enrico Marco Heffler (Milano, Italy), Giovanni Paoletti, Tim Harrison, Matthew J Martin, Kai-Michael Beeh

How up-to-date is the Electronic Health Record?

Maarit Albers (Enschede, Netherlands), C.C. Bucsán, J. Van Der Palen

Prevalence of subjects enrolled in CPASS who have peak flow rate: height ratio of < 2.2 liters/sec/meter²

Shane Villamonte (Manila, Philippines), Guinevere Agra, Celeste Mae Campomanes, Teresita De Guia, Helen Isaac, Lenora Fernandez, Rodolfo Pagcatipunan, Roland Panaligan, Tim Trinidad

PS-8 in poster area

Session

08:00 - 09:30

Poster session: Novel research data on asthma management and clinical applications

Disease(s) : Airway diseases

Method(s) : Epidemiology General respiratory patient care Pulmonary function testing Cell and molecular biology Imaging Physiology

Chairs : Vibeke Backer (Copenhagen, Denmark), Manali Mukherjee (Hamilton (ON), Canada)

Use of short synacthen testing to detect iatrogenic adrenal insufficiency among severe asthma patients

Fred Fyles (Liverpool, United Kingdom), Hannah Joplin, Amy Nuttall, Laura Watkins, Hassan Burhan

Severe asthma care trajectories in the French RAMSES cohort.

Camille Taillé (Paris, France), Jeanne-Marie Perotin-Collard, Nicolas Just, Gilles Devouassoux, Cécile Chenivresse, Arnaud Bourdin, Gilles Garcia, Pascal Chanez, Philippe Bonniaud, Amel Boudjemaa, Christel Saint Raymond, Toufik Didi, Antoine Beurnier, Pauline Roux, Cyril Maurer, Maud Russier, Nathalie Freymond, Colas Tcherakian, Lisa Gauquelin, Sylvie Guillo, Candice Estellat

Early effects of anti-IL4R on cognitive functions in patients with severe asthma.

Charlotte Bernhoff (Copenhagen, Denmark), Andreas Elleby Jespersen, Nanna Dyhre-Petersen, Emilie Johanning Bari, Kamilla W Miskowiak, Celeste M Porsbjerg

Dupilumab is effective in real-life severe asthma patients with smoking history

Andreas Renner (Wien, Austria), Katharina Marth, Karin Patocka, Marco Idzko, Robab Breyer-Kohansal, Wolfgang Pohl

Extent and impact of SABA inhaler overuse among asthma patients in India

Sundeep Santosh Salvi (Pune (Maharashtra), India), Raja Dhar, Viswesvaran Balasubramanian, Meena Lopez, Vaishali Naik, Jaideep Gogtay

Adherence to inhaled corticosteroid therapy and treatment escalation of the Swedish asthma population
Sylvia Packham (Sollentuna, Sweden), Caroline Stridsman

Bronchodilator effect of oral doxofylline and procaterol in asthma: a randomized crossover study
Natthapon Noomon (Bangkok, Thailand), Narongkorn Saiphoklang, Pimchanok Patanayindee, Pitchayapa Ruchiwit, Orapan Poachanukoon

Intramuscular triamcinolone for access to biologic therapy in asthma- a retrospective cohort analysis
Alexander Chadwick (Preston, United Kingdom), Kathryn Prior, Aashish Vyas

Asthma control in Greek patients receiving FDC of Budesonide/Formoterol as maintenance and/or as-needed treatment. The NOTOS study
Maria Bertoli (Pikermi, Greece), Nikoletta Rovina, Konstantinos Samitas, Georgios Krommidas, Dimitrios Latsios, Alexandros Ginis

Characteristics of patients with asthma using single inhaler triple therapy (SITT) in the USA
Stephen G Noorduynd (Mississauga, Canada), Kristin Kahle-Wroblewski, Rosirene Paczkowski, Lydia Lee, Phani Veeranki, Mary Johnson, Afisi S Ismaila, Noelle N Gronroos

Quality of life in Greek asthmatic patients receiving FDC Budesonide/Formoterol as maintenance and/or as-needed treatment. The NOTOS study
Maria Bertoli (Pikermi, Greece), Konstantinos Kostikas, Paschalis Steiropoulos, Nikolaos Kareklas, Panagiotis Boglou, Polyanthi Papanastasiou

Short-acting β_2 -agonists over-prescription in patients with asthma: an Indian subset analysis of international SABINA III study.
Latha Sarma (Hyderabad, India)

Effectiveness and cost of a comprehensive severe asthma management strategy guided by airway inflammation
Owen Treleaven (Hamilton, Canada), Sylvia Lauks, Parameswaran Nair, Terence Ho, Melanie Kjarsgaard, Chynna Huang, Katherine Radford, Nicola Calma, Carmen Venegas, Sarah Svenningsen, Manali Mukherjee, Anurag Bhalla, Huifang Lim, Michael Surette, Susan Waserman, Gerard Cox

Biologic agents licensed for severe asthma: A systematic review and meta-analysis of randomised controlled trials
Chris Kyriakopoulos (Ioannina, Greece), Athena Gogali, Georgios Markozannes, Dimitrios Potos, Vanesa Bellou, Georgios Ntritsos, Konstantinos Kostikas

Assessing ICS responsiveness in severe asthma using BDP/formoterol NEXThaler™ dose-counting
Hnin Wint Aung (Market Harborough, United Kingdom), Claire E Boddy, Eleanor Hampson, Mark Bell, Lauren Parnell, Jemma Metcalf, Kumaran Balasundaram, Anna Murphy, Shamsa Naveed, Peter Bradding

Real life biological therapy effectiveness in patients with severe eosinophilic asthma: a comparison with randomized trial
Olimpia Calò (Roma, Italy), Giulia Lo Muzio, Paola Scarano, Cecilia Cisternino, Veronica Capuano, Alessia Steffanina, Francesca De Filippis, Arianna Sanna, Maria Teresa Leporini, Paolo Palange, Elda Graziani

Does bronchodilator responsiveness depend on age in asthma?
Rim Kammoun (Sfax, Tunisia), Asma Haddar, Molk Maalej, Fatma Zahra Medyedali, Hana Trabelsi, Hela Zouari, Kaouthar Masmoudi

Late Breaking Abstract - Efficacy and safety of benralizumab in patients with severe uncontrolled asthma despite ICS-LABA: a randomised, double-blind, placebo-controlled phase 3 trial in Asia (MIRACLE)
Kefang Lai (Guangzhou, China), Dejun Sun, Ranran Dai, Ronnie Samoro, Hae-Sim Park, Annika Åstrand, David Cohen, Maria Jison, Vivian Shih, Viktoria Werkström, Yuhui Yao, Yajuan Zhang, Wenying Zheng, Nanshan Zhong

Late Breaking Abstract - Patients with severe eosinophilic asthma achieved remission over 2 years with benralizumab: Integrated analysis of the >1000-patient, multinational, real-world XALOC-1 study
Girolamo Pelaia (Tirolo (CZ), Italy), David J. Jackson, Parameswaran Nair, Benjamin Emmanuel, Trung N. Tran, Andrew Menzies-Gow, Michael Watt, Sheena Kayaniyil, Silvia Boarino, Javier Nuevo, Marisa Pardal, Anat Shavit, Vivian Shih, David Cohen, Claudia Loureiro, Alicia Padilla-Galo

Late Breaking Abstract - An innovative inhaled solution of budesonide-cyclodextrin complex is safe and prevents the methacholine-induced hyperreactivity in asthmatics better than a commercial budesonide suspension: a breezy story (BOREAS).
Didier Cataldo (Liege, Belgium), Marie-Astrid Albert, Natacha Rocks, Najate Ait Mahmoud, Ludivine Petit, Paul Maes

PS-19 in poster area

Session

08:00 - 09:30

Poster session: Risk factors to guide pulmonary hypertension management

Disease(s) : Pulmonary vascular diseases Interstitial lung diseases

Method(s) : Cell and molecular biology Epidemiology Pulmonary function testing General respiratory patient care Respiratory intensive care Physiology Public health

Chairs : Athénaïs Boucly (Le Kremlin Bicêtre, France), Vasile Foris (Graz, Austria)

Identification of novel biomarkers for use in clinical trials in BMPRII pulmonary hypertension

Rowena Jones (CB2 0BD, United Kingdom), Nina Deliu, Sofia Villar, Mark Toshner

Capillary NT-proBNP is a valid tool for remote risk assessment in pulmonary hypertension.

Harrison Stubbs (Glasgow, United Kingdom), John Cannon, Charlotte Durrington, Wendy Gin-Sing, Martin Johnson, Daniel Knight, Jim Lordan, John Wort

Follow-up of Calcium-Channel Blockers Responders and Risk Factors of Treatment Failure

Antoine Beauvais (Paris 18e Arrondissement, France), Athénaïs Boucly, Marc Humbert, David Montani, Olivier Sitbon

Four-strata risk assessment in pulmonary arterial hypertension (PAH) patients treated with selexipag in real-world settings: Insights from EXPOSURE

Tobias Lange (Bad Reichenhall, Germany), Pilar Escribano, Audrey Muller, Martina Fontana, Stefan Soderberg, Sean Gaine

Biomarkers of angiogenesis in pulmonary arterial hypertension and pulmonary hypertension due to left heart diseases

Francesca Macera (Brussels, Belgium), Céline Dewachter, Laurence Dewachter, Emeline Hupkens, Antoine Bondue, Jean-Luc Vachiéry, Ana Roussoulières

Comparison between REVEAL Lite 2.0 and COMPERA 2.0 for risk stratification in Pulmonary Arterial Hypertension

Sandeep Sahay (Houston, United States), Nelson Villasmil-Hernandez, Frederick Wang, Matthew Wooten, Duc Nguyen, Raymond Benza, Edward Graviss

Phenotyping vasodilator responsiveness in idiopathic pulmonary arterial hypertension: any role for the cardiopulmonary exercise test?

gayathiri sivasubramaniam (London, United Kingdom), Andrea Baccelli, Gulammehdi Haji, Francesco Lo Giudice, Claire Weaver, Stefano Centanni, Luke Howard, Rachel Davies

The MRC Dyspnoea scale may predict survival in pulmonary arterial hypertension.

Folawemimo Arogundade (Glasgow, United Kingdom), Melanie Brewis, Colin Church, Martin Johnson, Harrison Stubbs

Clinical and economic burden of patients with PH-LD and PH-ILD in France

Vincent Cottin (Lyon, France), Olivier Sitbon, Nicoleta Petrica, Catia C. Proenca, Gabriela Bacchini Jeanneret, Miriam Fernandez Delgado

Have Physicians Learned What's New in the 2022 ESC/ERS Pulmonary Hypertension Guidelines? Areas of Improvement and Areas of Further Education Need

Christy Rohani-Montez (Duillier, Switzerland), Anna-Maria Hoffmann-Vold, Göran Rådegran

A patient preference study in pulmonary arterial hypertension (PAH): what matters most?

Wenjing Li (Allschwil, Switzerland), Michael Preiss, Monika Brand, Rachael DiSantostefano, Amélie Beaudet, Holger Gunz, Andrew Sadler, Ellen Janssen, Axel Mühlbacher

Concordance between physician and patient reported presence of symptoms in patients with pulmonary arterial hypertension in the US, Europe and Japan

R James White (Rochester, United States), Rogier Klok, Julia Harley, Mark Small, Carmine Dario Vizza, Dominik Lautsch

Higher circulating prolactin associates with lower mortality in pulmonary arterial hypertension

Wen-Hui Wu (Shanghai, China), Hui Zhao

Lowering of Mean Pulmonary Arterial Pressure is a Prognostic Marker in Pulmonary Hypertension Patients treated with Subcutaneous Treprostinil

Roela Sadushi-Kolici (Wien, Austria), Inbal Shafran, Nika Skoro-Sajer, Christian Gerges, Irene Lang

Health related quality of life in pulmonary arterial hypertension in the US, Europe and Japan

Carmine Dario Vizza (Roma (RM), Italy), Rogier Klok, Julia Harley, Mark Small, R James White, Dominik Lautsch

Biomarkers for diagnosis and disease severity in precapillary pulmonary hypertension.

Katarzyna Rososinska (Kirkel, Germany), Philipp Markwirth, Ralf Kaiser, Franziska Trudzinski, Bettina Weingard, Robert Bals, Heinrike Wilkens

Prognostic impact of pulmonary diffusing capacity for carbon monoxide in pulmonary hypertension

Milan Mohammad (Østerbro, Denmark), Jacob Peter Hartmann, Jørn Carlsen, Jann Mortensen, Ronan Martin Griffin Berg

Residual risk identified in routine non-invasive follow-up assessments in pulmonary arterial hypertension

Jonna Ostermann (Hamburg, Germany), Julian Pott, Jan K Hennigs, Kevin Roedl, Christoph Sinning, Lars Harbaum, Hans Klose

Vasoreactivity in combined pre- and post-capillary pulmonary hypertension and survival

Eileen Harder (Boston, United States), Farbod Rahaghi, Miguel Divo, George Washko, Aaron Waxman

Role of 6-MWT and NT-proBNP in the evaluation of survival in Pulmonary Arterial Hypertension

Chiara Milano (Monza, Italy), Andrea Lombi, Lorenzo Volpiano, Giulia Pittalis, Marta Tundo, Riccardo Ripamonti, Paola Alfieri, Paola Faverio, Fabrizio Luppi, Giuseppe Paciocco

Coral 3**Session****08:30 - 10:00****Symposium: The organ-wide reach of exercise in chronic respiratory disease****A holistic approach**

Aims : to explain the role of inter-organ crosstalk and cellular communication in relation to exercise; to describe the beneficial effects of exercise training on skeletal muscle; to explain how to identify persons with chronic respiratory disease (CRD) that need additional support during exercise training to have optimal organ-wide effects; to allow participants to engage in discussion on the controversial idea that exercise can regenerate the lung.

Disease(s) : Airway diseases Interstitial lung diseases Pulmonary vascular diseases

Method(s) : Cell and molecular biology Physiology Pulmonary rehabilitation

Tag(s) : Translational

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Patient, Physiologist, Respiratory physiotherapist, Scientist (basic, translational)

Chairs : Silke Ryan (Dublin, Ireland), Matteo Bradicich (Zollikerberg, Switzerland), Jana De Brandt (Umeå, Sweden)

08:30 **Exercise: the role of inter-organ crosstalk and cellular communication**
Speaker to be confirmed

08:45 **Effect of exercise training on the muscle in CRD: success guaranteed!**
Lorna Latimer (Rugby (Warwickshire), United Kingdom)

09:00 **Helping out the muscle-brain axis during exercise in fibrosing interstitial lung disease: we are on our way!**
Mathieu Marillier (Echirolles, France)

09:15 **Patient's perspective**
Speaker to be confirmed

09:20 **Effect of exercise training on lung regeneration in CRD: an illusion or a future reality?**
Ulrik Winning Iepsen (Copenhagen, Denmark)

09:35 **Discussion and Q&A**

Coral 4+5**Session****08:30 - 10:00****Symposium: Pulmonary embolism and its implication with other clinical respiratory settings and specialties**

Aims : to provide an update on the management of PE in pregnancy; to describe the distinctive features of patients with lung cancer-associated thrombosis (CAT); to highlight the relationship between PE and obstructive sleep apnoea (OSA); and to provide an update about the role of residual pulmonary vascular obstruction (RPVO) in the assessment of the risk of venous thromboembolism (VTE) recurrences, as for patients' evolution with the newly suggested chronic thromboembolic pulmonary disease (CTEPD) syndrome; to provide an update about correct diagnosis and treatment in this population, which is crucial for all pulmonologists, who may be involved in many different steps (ruling out the diagnosis, managing some difficult cases, proposing secondary thromboprophylaxis, etc.). to provide an update about management, outcomes and phenotypes of patients with lung CAT; to present information about the relationship between OSA and PE that suggest a possible connection between OSA and abnormal haemostasis; to review current evidence about the association between OSA and PE, as well as PE prognosis in patients with OSA; to discuss the key role of respiratory physicians in the follow-up of patients with PE.

Disease(s) : Pulmonary vascular diseases Sleep and breathing disorders Thoracic oncology

Method(s) : General respiratory patient care Imaging

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Respiratory critical care physician, Physician in Pulmonary Training

Chairs : Yochai Adir (Haifa, Israel), Pilar Escribano-Subias (Madrid, Spain), Marc Humbert (Le Kremlin-Bicêtre, France)

08:30	Management of pulmonary embolism in pregnancy Cécile Tromeur (Brest, France)
08:45	Distinctive feature of lung cancer-associated thrombosis Luis Jara-Palomares (Sevilla, Spain)
09:00	Obstructive sleep apnoea and pulmonary embolism: what do we know and what do we need to know? Alberto García Ortega (Valencia, Spain)
09:15	Role of residual pulmonary vascular obstruction in VTE recurrences and CTEPH Olivier Sanchez (Paris, France)
09:30	Discussion and Q&A

Coral 1 Session 08:30 - 10:00

Symposium: Prevention of tuberculosis

Aims : to present the latest evidence on the use of immunodiagnostic methods (interferon-gamma release assays (IGRAs) and tuberculin skin test) and preventive therapies for best clinical practice to prevent tuberculosis in adults.

Disease(s) : Paediatric respiratory diseases Respiratory critical care Respiratory infections

Method(s) : Epidemiology General respiratory patient care Public health

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Patient, Radiologist, Scientist (basic, translational), Respiratory therapist, Journalist

Chairs : Giovanni Sotgiu (Sassari, Italy), Onno Akkerman (Groningen, Netherlands), Delia Goletti (Roma (RM), Italy)

08:30	How we prevent transmission once the case has been identified Cécile Magis-Escurra (Nijmegen, Netherlands)
08:45	IGRAs or tuberculosis skin test? How do they compare for identification of individuals at risk of developing tuberculosis? Francesca Saluzzo (Milano, Italy)
09:00	Effectiveness of tuberculosis preventive therapy by age and Mycobacterium tuberculosis infection status Ibrahim Abubakar (London, United Kingdom)
09:15	The global roadmap for a new tuberculosis vaccine Speaker to be confirmed
09:30	Discussion and Q&A

Coral 2 Session 08:30 - 10:00

Hot topics: Preconception origins of respiratory disease and allergy: what about immunity and infections?

Aims : to provide an overview of the concept of preconception origins of respiratory disease and allergy with a specific focus on immunity and infectious disease; to provide an overview of the current epidemiological evidence and to provide insights into possible mechanisms; to provide an overview of the field and explain how exposures and individual factors may be able to affect respiratory health and allergy in future generations.

Disease(s) : Airway diseases Paediatric respiratory diseases Respiratory infections

Method(s) : Cell and molecular biology Epidemiology Public health

Tag(s) : Translational

Target audience : Adult pulmonologist/Clinician, Medical Student, Respiratory critical care physician, Paediatrician, Scientist (basic, translational), Journalist

Chairs : Rafael E. de la Hoz (New York, United States), Ane Johannessen (Bergen, Norway)

08:30	A general overview of the concept of preconception origins of respiratory disease: what is the epidemiological evidence so far? Cecilie Svanes (Bergen, Norway)
08:45	The experimental view of how infections may impact health and disease across generations William Horsnell (Cape Town, South Africa)

09:00 Transgenerational epigenetic impacts of parental infection on offspring health and disease susceptibility
Speaker to be confirmed

09:15 Can COVID-19 and tuberculosis influence epigenetic signalling in a way that can impact immunity of the next generation?
Maria Lerm (Linköping, Sweden)

09:30 Discussion and Q&A

Gold Session 08:30 - 10:00

Endoscopy session: Cutting-edge concepts for diagnosis of peripheral lesions: the future is here!

Aims : to present a practical demonstration of the novel and rapidly evolving techniques in the diagnosis of peripheral pulmonary opacities; to provide a step-by-step guide for performing the techniques and technologies demonstrated.

Disease(s) : Airway diseases Interstitial lung diseases Thoracic oncology Respiratory infections

Method(s) : Endoscopy and interventional pulmonology

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Physician in Pulmonary Training, Respiratory critical care physician, Thoracic oncologist, Thoracic surgeon, Radiologist

Chairs : Amanda Dandanell Juul (Odense S, Denmark), Mohammed Munavvar (Preston (Lancashire), United Kingdom)

08:30 Introduction

08:35 Augmented fluoroscopy
Amir Abramovich (Hasolelim, Israel)

08:50 Cone beam
Pallav L. Shah (London, United Kingdom)

09:05 Robotic bronchoscopy
Felix J.F. Herth (Heidelberg, Germany)

09:20 Bronchoscopic tumour ablation
Kelvin Lau (London, United Kingdom)

09:35 Discussion and Q&A

Silver Session 08:30 - 10:00

State of the art session: Paediatric

Aims : to discuss important topics in paediatric respiratory medicine such as: 1) treatment options for severe paediatric asthma, 2) an insight into neutrophilic inflammation following preterm birth and other relevant lung diseases, 3) management of persistent obstructive sleep apnoea (OSA) in children and 4) high-flow nasal cannula therapy in paediatric respiratory insufficiency;

Disease(s) : Paediatric respiratory diseases Respiratory infections Sleep and breathing disorders

Method(s) : General respiratory patient care Pulmonary function testing Respiratory intensive care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Medical Student, Nurse, Respiratory critical care physician, Paediatrician, Patient, Respiratory physiotherapist, Respiratory therapist

Chairs : Alexander Möller (Zürich, Switzerland), Refika Hamutcu Ersu (Ottawa, Canada), Erol Gaillard (Leicester (Leicestershire), United Kingdom)

08:30 Therapeutic strategies in paediatric severe asthma
Marielle W.H. Pijnenburg (Rotterdam, Netherlands)

08:45 Neutrophilic inflammation throughout the ages
Rory Morty (Heidelberg, Germany)

09:00 Management of persistent OSA in children
An Boudewyns (Edegem (Antwerp), Belgium)

09:15 High-flow nasal cannula (HFNC) therapy for bronchiolitis and in continuous treatment for respiratory insufficiency
Padmanabhan Ramnarayan (London, United Kingdom)

09:30 Discussion and Q&A

Purple Session 08:30 - 10:00

Mini symposium: Complex pleural disease: management in the critically ill patient

Aims : to present most common problems that surgeons, chest physicians, intensivists and even radiologists can face for diagnosis and treatment in the critically ill patients; to emphasize the need of multidisciplinary approach to these patients; to clarify diagnosis and treatment of patients with pneumothorax and patients on mechanical ventilation, patients with pulmonary disease listed for lung transplantation and pneumothorax after a bronchoscopic procedure, surgical procedure or talc pleurodesis (to distinguish 'true' pneumothorax from the residual air space); to distinguish free empyema and complex empyema and try to create a protocol for critically ill patients (intrapleural fibrinolytic therapy, dornase alfa, additional drainage tubes, medical thoracoscopy and surgical procedures); to discuss chylothorax after surgical procedures, spontaneous chylothorax, conservative treatments, surgical options and bronchopleural fistulas (fistulas after lung transplantation, fistulas after cancer surgery, conservative treatments, bronchoscopic treatments and surgical options).

Disease(s) : Respiratory critical care Respiratory infections Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Surgery

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Patient, Physiologist, Radiologist, Thoracic oncologist, Thoracic surgeon, Respiratory therapist, Journalist

Chairs : Katerina Antoniou (Heraklion, Greece), Federica Meloni (Pavia (PV), Italy)

08:30 **Pneumothorax in critically ill patients**
Marco Nardini (Leeds, United Kingdom)

08:45 **Complex empyema in critically ill patients**
David Sanchez (Barcelona, Spain)

09:00 **Chylothorax and bronchopleural fistulas**
Mario Nosotti (Milano (MI), Italy)

09:15 **Discussion and Q&A**

Studio (White) Session 08:30 - 08:45

News from the studio: News from the studio

Chairs : Arzu Yorgancıoğlu (Konak, Turkey), Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)

08:30 **Discussion and Q&A**

Studio (White) Session 09:10 - 10:00

Experts interview: Making sense of chronic cough/an update on environmental and occupational exposure in interstitial lung diseases

Chairs : Arzu Yorgancıoğlu (Konak, Turkey), Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)

09:10 **Making sense of chronic cough: hypersensitivity, hyper-reactivity or idiopathic patient phenotypes?**
Lorcan McGarvey (Belfast, United Kingdom)

09:25 **Discussion and Q&A**

09:35 **Environmental and occupational exposure in interstitial lung diseases: an update**
Francois Huaux (Bruxelles, Belgium)

09:50 **Discussion and Q&A**

Brown 3 Session 09:30 - 10:45

Oral presentation: Interactions at the host-environment interface governing the scale and phenotype of airway inflammation

Disease(s) : Airway diseases

Method(s) : Cell and molecular biology Pulmonary function testing Physiology

Chairs : Robert Snelgrove (London, United Kingdom), Chair to be confirmed

Late Breaking Abstract - Carnitine palmitoyltransferase 1A and its fatty acid oxidation as a protector of airway epithelial barrier
Muyun Wang (Shanghai, China), Kun Wang, Wei Gao, Qiang Li

Single-cell RNA Sequencing Of Pulmonary Neuroendocrine Cells Reveals Genetic Heterogeneity And Epithelial Adoption In Chronic Airway Inflammation

Masahiro Nemoto (Chiba, Japan), Masahiro Kiuchi, Kaori Tsuji, Ami Aoki, Toshinori Nakayama, Kiyoshi Hirahara

Airway inflammation and hyperresponsiveness in asthma is regulated by the circadian clock through REV-ERBa

Amlan Chakraborty (Manchester, United Kingdom), Jafar Cain, Robert Maidstone, Karolina Krakowiak, Vishvangi Deugi, Nicola Begley, Julie Gibbs, Hannah Durrington

Epithelial alarmins enhance mast cell-dependent contractions of isolated human small bronchi

Maria Belikova (Stockholm, Sweden), Jesper Säfholm, Mamdoh Al-Ameri, Ann-Charlotte Orre, Sven-Erik Dahlén, Mikael Adner

Epithelium-derived cystatin SN inhibits HDM protease activity in allergic asthma

Xin Yao (Nanjing (Jiangsu), China), Lei Yao, Ian Adcock

Neutrophilic responses in a subacute and chronic mouse model of pollutant-aggravated allergic asthma

Tania Maes (Ghent, Belgium), Joyceline De Volder, Annelies Bontinck, Katrien De Grove, Guy Joos, Guy Brusselle

Respiratory effects of cold air and diesel exposure in exercise-induced bronchoconstriction in mice

Nora Marain (Leuven, Belgium), Marieke Colemont, Dominique Bullens, Lieven Dupont, Jeroen Vanoirbeek

LSC - 2023 - Inflammatory type 2 cDCs acquire features of cDC1s and macrophages to orchestrate immunity to respiratory virus infection

Cedric Bosteels (Zwijnaarde, Belgium), Katrijn Neyt, Hamida Hammad, Bart Lambrecht

LSC - 2023 - Resolution of inflammation in long COVID

Sean Knight (Manchester, United Kingdom), Madhvi Menon, Bethany Pott, Tracy Hussell, Nawar Bakerly, Thomas Williams, John Grainger, Joanne Konkel, Elizabeth Mann, Angela Simpson, Laurence Pearmain, Alexander Mathioudakis, Geoffrey Lowman, Shruti Sarda, Altan Turkoglu, Loni Pickle, Michelle Toro

Patients on mepolizumab, benralizumab, or dupilumab have diminished post-vaccination antibody and B cell responses to SARS-CoV-2.

Pedro Lamothe (Decatur, United States), Martin Runnstrom, Katia Faliti, Narayanaiah Cheedra, Alberto Moreno, Mehul Suthar, Rishika Nahata, Mayuran Ravindran, Andrea Morrison-Porter, Richard Ramonell, Matthew Woodruff, Robert Swerlick, Colin Swenson, Carmen Polito, Wendy Neveu, Natalia Smirnova, Caroline Kim, Ian Hentenaar, Shuya Kyu, Zhenxing Guo, Hao Wu, Natalie Haddad, Jiwon Park, John Daiss, Suneetha Cheedarla, Andrew Neish, John Roback, Sunita Sharma, Fernando Holguin, Ignacio Sanz, Frances Eun-Hyung Lee

Discussion and Q&A**Brown 1+2****Session****09:30 - 10:45****Oral presentation: Updating pulmonary rehabilitation outcomes and chronic management****Disease(s) :** Pulmonary vascular diseases Airway diseases Respiratory critical care**Method(s) :** Pulmonary rehabilitation General respiratory patient care Physiology Public health Respiratory intensive care**Chairs :** Ana Oliveira (Aveiro, Portugal), Chair to be confirmed**Late Breaking Abstract - Effects of symptom-based rehabilitation compared to usual care in post COVID-19 – a randomized controlled trial: preliminary results of the Reload-study**

Tessa Schneeberger (Schönau am Königssee, Germany), Inga Jarosch, Daniela Leidl, Rainer Gloeckl, Clancy John Dennis, Andreas Rembert Koczulla

Symptom burden in COPD: a clustering approach

Sarah Houben-Wilke (Horn, Netherlands), Qichen Deng, Daisy Janssen, Frits Franssen, Martijn Spruit

High-intensity interval training (HIIT) versus constant-load exercise (CLE) on the short-acute beta agonist (SABA) consumption and peak-expiratory flow (PEF) in subjects with moderate to severe asthma

Ronaldo Aparecido Da Silva (São Paulo (SP), Brazil), Thiago Fernandes, Rafael Stelmach, Alberto Cukier, Regina Maria Carvalho-Pinto, Celso R. F. Carvalho

Functional capacity testing in patients with pulmonary hypertension (PH) using the one-minute sit-to-stand test (1-min STST)

Christina Kronberger (Vienna, Austria), Roya Mousavi, Begüm Öztürk, Robin Willixhofer, Brigitte Litschauer, Roza Badr Eslam

Feasibility of personalised health behaviour coaching to support symptoms and activities of daily living in those with Long COVID-19.

Matthew Armstrong (Bournemouth, United Kingdom), Rebecca Owen, Ioannis Vogiatzis

Effects of association of aerobic and breathing exercises on clinical controls, physical capacity, and psychosocial status in patients with moderate to severe asthma: an RCT

Adriana C. Lunardi (São Paulo (SP), Brazil), Fabiana Kim, Jaqueline Rocha, Denielli Bos, Eloise Santos, Cibele Marques Da Silva, Alberto Cukier, Celso Carvalho

Inspiratory muscle training, with or without concomitant pulmonary rehabilitation, for COPD: state of the evidence from a Cochrane review

Omar Ammous (Göttingen, Germany), Walid Feki, Tamara Lotfi, Assem M Khamis, Rik Gosselink, Ahmed Rebai, Samy Kammoun

Post-hospitalisation COVID-19 healthcare pathways and 1 year health-related quality of life (HRQoL): effect of clinical assessment and rehabilitation

Rachael A. Evans (Leicester (Leicestershire), United Kingdom), Andrew Ibbetson, Linzy Houchen-Wolloff, Archie Walters, Michael Marks, Andrew Briggs

Minimally important differences based on baseline for clinical outcomes of pulmonary rehabilitation

Alex Jenkins (Nottingham (Nottinghamshire), United Kingdom), Miriam Groenen, Anouk Vaes, Daisy Janssen, Emiel Wouters, Frits Franssen, Martijn Spruit

Long-term effectiveness of a Pulmonary Telerehabilitation in Post-COVID-19 patients.

Bruna Scharlack Vian (Campinas, Brazil), Laís Bacchin De Oliveira, Ana Lúcia Cavallaro Baraúna Lima, Luciana Castilho De Figueirêdo, Mariângela Ribeiro Resende, Paulo Mendes, Hugo Dugolin Ceccato, Julian Furtado Silva, Lucieni De Oliveira Conterno, Pedro Maximink Esteves Villar, Lígia Dos Santos Roceto Ratti, Mônica Corso Pereira

Discussion and Q&A

Blue 1+2

Session

09:30 - 10:45

Oral presentation: Selected tobacco and nicotine research**Disease(s) :** Airway diseases**Method(s) :** Epidemiology Public health General respiratory patient care Pulmonary function testing Cell and molecular biology**Chairs :** Elif Dagli (Istanbul, Turkey), Stamatoula Tsikrika (Athens, Greece)**Late Breaking Abstract - Alpha-1 Antitrypsin deficiency and risk of cancer: A Nationwide cohort study**

Nanna Korsbæk (Køge, Denmark), Eskild Landt, Sarah Marott, Børge Nordestgaard, Morten Dahl

Embedding smoking cessation support into targeted lung health checks in the UK increases long-term smoking abstinence, 12-month follow-up data from two clinical randomised controlled trials.

Parris Williams (London, United Kingdom), Keir Philip, Sara Buttery, Emily Bartlett, Anand Devaraj, Jamie Addis, Jane Derbyshire, Michelle Chen, Anthony Laverty, Nicholas Hopkinson

The causal relationship between smoking conditions and telomere length: a mendelian randomization study in UK biobank

Siyu Dai (Hangzhou, China), Feng Chen

E-cigarette use and quality of life in young adults: a Canadian health measure survey study

Teresa To (Toronto (ON), Canada), Cornelia M. Borkhoff, Chung-Wai Chow, Theo J. Moraes, Robert Schwartz, Nicholas T. Vozoris, Christopher Langlois, Kimball Zhang, Emilie Terebessy, Jingqin Zhu

Tobacco control or tobacco investment ? : Incentives given to tobacco industry

Elif Dagli (Istanbul, Turkey), Tanzer Gezer, Osman Elbek, Banu Salepci, Pinar Bostan, Pinar Ay, Murat Ceyhan, Fusun Yıldız, Murat Guner

Perceptions of general practitioners in Istanbul on e-cigarettes as smoking cessation aids

Melis Selamoglu (Melbourne, Australia), Bircan Erbas, Ayşe Emel Önal, Selma Karabey, Meryem Merve Ören, Mahmut Talha Ucar, Chris Barton

Smoking status in women with normal and complicated pregnancy.

Bohdana Basina (Dnipropetrovsk, Ukraine), Nataliia Kravchenko, Tetiana Kirieieva, Tetiana Pertseva

Acute vascular effects following e-cigarette inhalation

Amelie Brynedal (Umeå, Sweden), Mikael Kabéle, Jenny Bosson, Lukasz Antoniewicz, Magnus Lundbäck, Anders Blomberg

Oscillometry in the assessment of early smoking-induced airway changes

Christoph Valach (Vienna, Austria), Chiara Veneroni, Emiel Wouters, Pasquale Pio Pompilio, Alessandro Gobbi, Raffaele Dellaca, Owat Sunanta, Sylvia Hartl, Marie-Kathrin Breyer, Caspar Schiffers, Charles G. Irvin, Robab Breyer-Kohansal

Vaping-derived $\Delta 8$ -THC quinones form cysteine adducts and alter the respiratory epithelium transcriptome
Charlotte Love (Chapel Hill, United States), Hye-Young Kim, Keri Tallman, Ned Porter, Phillip Clapp, Ilona Jaspers

Discussion and Q&A

Red 1+2 Session 09:30 - 10:45

Oral presentation: Unravelling pulmonary fibrosis mechanisms

Disease(s) : [Interstitial lung diseases](#)

Method(s) : Cell and molecular biology General respiratory patient care

Chairs : Phil Molyneaux (London, United Kingdom), Michael Gerckens (München, Germany)

Late Breaking Abstract - Morphine sulfate for the treatment of cough in Idiopathic Pulmonary Fibrosis The PACiFy Cough Randomized Clinical Trial

Phil Molyneaux (London, United Kingdom), Zhe Wu, Lisa G Spencer, Winston Banya, Nazia Chaudhuri, Pilar Rivera-Ortega, Ira Jakupovic, Brijesh Patel, Muhunthan Thillai, Alex West, John Westoby, Marlies Wijsenbeek, Toby M Maher, Jaclyn A Smith

LSC - 2023 - Two lung immuno-endotypes in IPF associated with different pathological features

Tamara Cruz Santa Cruz (Barcelona, Spain), Nuria Mendoza, Sandra Casas, Guillaume Noel, Fernanda Hernandez, Maria Molina, Mauricio Rojas, Alvar Agusti, Jacobo Sellares, Rosa Faner

LSC - 2023 - Defining and modelling the fibrotic niche in lung fibrosis

Joseph Bell (Southampton, United Kingdom), Michael Eyres, Elizabeth Davies, Zijian Xu, Yihua Wang, Gayle Marshall, Donna Davies, Emily Offer, Mark Jones

Spatial transcriptomic analysis reveals similar gene expression patterns in the Long COVID and IPF lungs.

Aurélien Justet (Caen, France), Claudia Ravaglia, Amy Zhao, Nibal Al Hussein, Taylor Adams, Agshin Balayev, Joe Deluliis, Naftali Kaminski, Sara Tomassetti, Venerino Poletti

STING inhibitor ameliorates senescence via inhibiting cGAS-STING pathway in Idiopathic Pulmonary Fibrosis

Lorena Rosas (Columbus, United States), Natalia-Del Pilar Vanegas, Madeline Riley, Erica L Dale, Victor Peters, Sean D Stacey, Marc Kaestle, Peter Seither, Ana L Mora, Mauricio Rojas

Targeting pro-inflammatory and pro-fibrotic monocyte phenotype using novel mitochondria-targeted hydrogen sulfide delivery

Elena Leonova (Exeter, United Kingdom), S.L. Barratt, M.A. Lindsay, M.A. Gibbons, M. Whiteman, C.J. Scotton

Hyaluronic acid decorated-liposome loaded with Imatinib: an in vitro study as targeted drug delivery system for lung fibrosis

eleonora bozza (pavia, Italy), Sara Bozzini, Cecilia Bagnera, Valeria Bincoletto, Ilaria Andreana, Barbara Stella, Laura Pandolfi, Elisa Cacciatore, Sara Lettieri, Silvia Arpicco, Federica Meloni

Therapeutic effects of ALK5i on pulmonary function and fibrosis in a high-fat diet + bleomycin-induced and spirometry-confirmed mouse model of IPF

Asbjørn Graver Petersen (Hørsholm, Denmark), Jamal Bousamaki, Laura Jul Andreasen, Denise Oró, Jonas Damgård Schmidt, Yaohui Nie, Jordan Butts, Manuel Roqueta-Rivera, Henrik Björk Hansen, Michael Feigh

SMAC Mimetic as potential anti-fibrotic therapy in an in vivo model of Bleomycin-induced Pulmonary Fibrosis

Natalia Vanegas (Columbus, United States), Lorena Rosas, Paula Agudelo Garcia, Stephanie Scott, Madeline Riley, Erica L. Dale, Jazmin Calyeca, Victor Peters, Marc Kaestle, Peter Seither, Ana L. Mora, Mauricio Rojas

A 3D organoid model mimicking honeycomb cysts in idiopathic pulmonary fibrosis

Petra Khan (Basel, Switzerland), Sabrina Blumer, Spasenija Savic, Lars Knudsen, Danny Jonigk, Mark P. Kuehnel, Michael Tamm, Katrin E. Hostettler

Discussion and Q&A

Yellow 1+2+3 Session 09:30 - 10:45

Oral presentation: New basic insights into the mechanisms of acute and chronic lung diseases

Disease(s) : [Airway diseases](#) [Thoracic oncology](#) [Interstitial lung diseases](#) [Pulmonary vascular diseases](#)

Method(s) : Cell and molecular biology Imaging Transplantation

Chairs : Audrey Joannes (RENNES, France), Olivier Burgy (Dijon, France)

Late Breaking Abstract - Factor inhibiting HIF (FIH) as a metabolic switch in lung fibroblasts

Siyuan Wang (southampton, United Kingdom), Liudi Yao, Yilu Zhou, Franco Conforti, Nullin Divecha, Jonathan Swann, Charlie Birts, Donna Davis, Mark Jones, Yihua Wang

Association between airway MMP-12 and DNA methylation in BAL cells in COPD

Jonas Eriksson Ström (Umeå, Sweden), Simon Kebede Merid, Robert Linder, Jamshid Pourazar, Anders Blomberg, Anne Lindberg, Annelie F Behndig, Erik Melén

Fucosyltransferase-2 improves the COPD phenotype through its regulation of E-cadherin

Venkataramana Sidhaye (Baltimore, United States), Carter Swaby, Shreeti Thapa, Bonnie Yeung-Luk, Sahana Ramaswamy

Mettl3-mediated m6A modification of FSP1 mRNA induces ferroptosis by diminishing the FSP1 level in COPD

Yan Wu (Wuxi, China), Yue Yang, Weiyu Shen, Tao Bian

Blocking CXCR4 improves pulmonary and cardiac outcomes in a mouse model of early COPD

Isabelle Dupin (Bordeaux, France), Pauline Henrot, Elise Maurat, Reshed Abomalaka, Sébastien Chaigne, Dounia El Hamrani, Edmée Eyraud, Renaud Prevel, Pauline Estèves, Marilyne Campagnac, Marielle Dubreuil, Guillaume Cardouat, Clément Bouchet, Olga Ousova, Jean-William Dupuy, Thomas Trian, Matthieu Thumerel, Hugues Bégueret, Pierre-Olivier Girodet, Roger Marthan, Maéva Zysman, Véronique Freund-Michel, Patrick Berger

Airway dysbiosis disturbs lung clock gene expression in a chronic smoke-exposed murine model

Wei Xiao (, China), Juan-Juan Fu, Ti-Wei Miao, Bing Mao

“Super Survivor” after Lung Transplantation – Protective Role of Macrophages?

Edith Katharina Plucinski (Hannover, Germany), Jan-Christopher Kamp, Jens Gottlieb, Tobias Welte, Marius Hoeper, Hans-Heinrich Kreipe, Danny David Jonigk, Lavinia Neubert, Mark Philipp Kühnel

Tissue-specific gene expression of immune-related genes in different COVID-19 severities

Alberto Gómez Carballa (Santiago de Compostela, Spain), Irene Rivero-Calle, Jacobo Pardo-Seco, Jose Gómez-Rial, Ana Dacosta-Urbiet, Xabier Bello, Sara Pischedda, María José Currás-Tuala, Sandra Viz-Lasheras, Federico Martínón-Torres, Antonio Salas

Identification of the mesenchymal subpopulation responsible for lung tumorigenesis by using single-cell RNA-seq

Shigehisa Yanagi (Miyazaki, Japan), Hironobu Tsubouchi, Taiga Miyazaki

A primary ciliary dyskinesia model of static cilia for research application

Claire L Jackson (Southampton (Hampshire), United Kingdom), Janice Coles, Katie Horton, Regan Doherty, Gemma Fryatt, Jane S Lucas

Discussion and Q&A**Coral 1 Session 10:15 - 11:45****Symposium: UNITE4TB: tuberculosis renewed****European Union project****Aims :** to explain how to use and discuss the methods used to diagnose tuberculosis (TB) and identify resistance; to describe the different drugs and regimens being studied for TB treatment; to explain the advances and challenges in the development of biomarkers; to explain the importance of treatment adherence and the different interventions in use.**Disease(s) :** Respiratory infections**Method(s) :** Respiratory intensive care**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Respiratory critical care physician, Physician in Pulmonary Training, Scientist (basic, translational), Journalist**Chairs :** Giovanni Sotgiu (Sassari, Italy), Onno Akkerman (Groningen, Netherlands), Delia Goletti (Roma (RM), Italy)**10:15 Patient's perspective****10:20 New developments in tuberculosis diagnosis**
Daniela Maria Cirillo (Milano (MI), Italy)**10:35 Tuberculosis treatment monitoring and outcome measures**
Derek Sloan (ST ANDREWS, United Kingdom)**10:50 New drugs, new regimens and new ways to design clinical trials**
Christoph Lange (Borstel, Germany)**11:05 Interventions to enhance treatment adherence**
Raquel Duarte (Porto, Portugal)**11:20 Discussion and Q&A**

Coral 2	Session	10:15 - 11:45
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Symposium: Occupational and environmental determinants of common respiratory diseases From Epidemiology to the Clinic and Back

Aims : to present updates and interesting and challenging cases underscoring the important (and often missed) role that occupational and environmental exposures play in the aetiology, diagnosis, treatment and prevention of common and well-known chronic respiratory diseases. to highlight the influence of early life determinants and diet on the risk of chronic obstructive pulmonary disease (COPD), the added value of association studies based on the exposome concept and the impact of diet in adulthood for prevention of asthma and COPD and improvement of lung health.

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Epidemiology General respiratory patient care Public health

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Physician in Pulmonary Training

Chairs : Rafael E. de la Hoz (New York, United States), Ane Johannessen (Bergen, Norway)

10:15	Updates on occupational COPD: towards an expanded view of causation for better prevention Sara De Matteis (Cagliari, Italy)
10:30	Diet: an underappreciated but promising approach to COPD prevention Raphaëlle Varraso (Villejuif, France)
10:45	Impact of work-related risks on diagnostics and treatment of asthma Irmeli Lindström (Helsinki, Finland)
11:00	Hypersensitivity pneumonitis: multiple exposures and one disease Martina Kozíar Vasakova (Praha 10, Czech Republic)
11:15	Discussion and Q&A

Coral 3	Session	10:15 - 11:45
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Hot topics: Precision medicine in obstructive sleep apnoea

Aims : to describe the road map for implementing precision medicine in obstructive sleep apnoea (OSA); to explain that deep phenotyping is a prerequisite for precision medicine in OSA; to describe the endotypes or pathophysiological traits allowing to indicate personalised therapy; to perform risk stratification by describing OSA-specific metrics that were designed to capture the hypoxic burden, intensity of respiratory arousal events and cardiac autonomic response to acute events; to explain how to identify continuous positive airway pressure (CPAP) treatment failures by telemonitoring platforms and to propose early interventions.

Disease(s) : Sleep and breathing disorders

Method(s) : Epidemiology General respiratory patient care Respiratory intensive care

Tag(s) : Basic science

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Technical Assistant, Respiratory critical care physician, Paediatrician, Patient, Scientist (basic, translational)

Chairs : Matteo Bradicich (Zollikerberg, Switzerland), Silke Ryan (Dublin, Ireland), Jana De Brandt (Umeå, Sweden)

10:15	Clinical and sleep phenotypes Stefania Redolfi (Cagliari, Italy)
10:30	Physiological phenotypes/endotypes and treatable traits Danny Eckert (Bedford Park (SA), Australia)
10:45	OSA risk stratification beyond the apnoea-hypopnea index and its relevance to patient-reported outcome measures Raphael Heinzer (Lausanne, Switzerland)
11:00	Detection of CPAP treatment failures by telemonitoring platforms and proposal of early interventions Jean-Louis Pépin (Grenoble, France)
11:15	Discussion and Q&A

Gold	Session	10:15 - 11:45
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Endoscopy session: Innovative interventions in pulmonology: freeze, fry or fume?

Aims : to demonstrate the performance of a variety of interventional procedures, including tips and tricks from experts; to explain the details of the new techniques and technologies demonstrated.

Disease(s) : Thoracic oncology Airway diseases Interstitial lung diseases**Method(s) :** Endoscopy and interventional pulmonology**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Pathologist, Physician in Pulmonary Training, Thoracic surgeon, Respiratory critical care physician**Chairs :** Mohammed Munavvar (Preston (Lancashire), United Kingdom), Amanda Dandanell Juul (Odense S, Denmark)**10:15 Introduction****10:20 Rheoplasty and cryo spray**
Konstantina Kontogianni (Heidelberg, Germany)**10:35 Endoscopic lung volume reduction**
Michela Bezzi (Brescia, Italy)**10:50 Indwelling pleural catheter placement and troubleshooting**
M^a Rosa Cordovilla Perez (Salamanca, Spain)**11:05 Cryobiopsy**
Sara Tomassetti (Florence, Italy)**11:20 Discussion and Q&A****Coral 4+5 Session 10:15 - 11:45****Respiratory medicine meets other disciplines: Pulmonary hypertension related to heart and lung disease****ERS(ESC joint session)****Aims :** to define the different physiological and clinical characteristics of pulmonary hypertension (PH) associated with different forms of heart or lung diseases; to explain the up-to-date treatment approach for PH associated with heart or lung disease; to explain the different physiological responses of the right ventricle in different types of PH and its impact on the correct treatment and its efficacy; to describe the up-to-date treatment of PH associated with heart failure, with an emphasis on HFpEF-PH.**Disease(s) :** Airway diseases Interstitial lung diseases Pulmonary vascular diseases**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, General practitioner, Medical Student, Nurse, Patient, Physician in Pulmonary Training**Chairs :** Yochai Adir (Haifa, Israel), Pilar Escribano- Subias (Madrid, Spain), Marc Humbert (Le Kremlin-Bicêtre, France)**10:15 The spectrum of PH in lung diseases**
Isabel Blanco Vich (Barcelona, Spain)**10:30 Genetic pulmonary vascular disorders as a cause of pulmonary hypertension in adults**
David Montani (Le Kremlin-Bicêtre, France)**10:45 Right ventricle adaptation in different types of PH**
Frances S. de Man (Amsterdam, Netherlands)**11:00 Any progress in the management of PH in heart failure?**
Jean-Luc Vachiery (Bruxelles, Belgium)**11:15 Discussion and Q&A****Silver Session 10:15 - 11:45****Clinical cases: Lungs on fire: paediatric respiratory diseases****Aims :** to present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.**Disease(s) :** Paediatric respiratory diseases**Tag(s) :** Clinical**Chairs :** Alexander Möller (Zürich, Switzerland), Refika Hamutcu Ersu (Ottawa, Canada), Erol Gaillard (Leicester (Leicestershire), United Kingdom)**Discussants :** Marielle W.H. Pijnenburg (Rotterdam, Netherlands), David Drummond (Paris, France)

10:15	Case 1 incl. panel discussion and Q&A - Author: J. N. Eze (Nigeria) Marielle W.H. Pijnenburg (Rotterdam, Netherlands)
10:37	Case 2 incl. panel discussion and Q&A - Author: M. Cameron (Australia) David Drummond (Paris, France)
10:59	Case 3 incl. panel discussion and Q&A - Author: N. Kula (Turkey) Marielle W.H. Pijnenburg (Rotterdam, Netherlands)
11:21	Case 4 incl. panel discussion and Q&A - Author: S. Hartfiel (Germany) David Drummond (Paris, France)

Purple Session 10:15 - 11:45

Mini symposium: Symptom burden in interstitial lung disease

Aims : to provide the audience with updates on the pathogenesis, epidemiology and pharmacological and nonpharmacological management of dyspnoea, cough and fatigue in ILD; to learn about the impact of these symptoms on general and emotional well-being and daily activities of the patient; to provide an overview of the most common and burdensome symptoms in patients with ILD; to update on the most recent scientific evidence with regards to the pathophysiology and management of dyspnoea, cough and fatigue, and their impact on patients.

Disease(s) : Interstitial lung diseases

Method(s) : General respiratory patient care Palliative care Pulmonary rehabilitation

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist, Journalist

Chairs : Katerina Antoniou (Heraklion, Greece), Federica Meloni (Pavia (PV), Italy)

10:15	Management of dyspnea in ILD Yet Hong Khor (Melbourne (VIC), Australia)
10:30	Pathophysiology and treatment of cough in ILD Zhe Wu (London, United Kingdom)
10:45	Fatigue in ILD: a major problem for patients and physicians Karen Moor (Rotterdam, Netherlands)
11:00	Discussion and Q&A

10:30-11:15 INDUSTRY SKILLS LAB WORKSHOP SEE PAGE 1

Studio (White) Session 10:30 - 11:15

Pro-Con debate: Are β -blockers beneficial in chronic obstructive pulmonary disease?

Aims : to discuss the use of β -blockers in patients with chronic obstructive pulmonary disease (COPD); to consider the risk-benefit assessment of β -blocker therapy in COPD; to answer the open question of whether there is a place for use of β -blockers in our patients.

Disease(s) : Airway diseases

Method(s) : Epidemiology Physiology Public health

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Patient, Physician in Pulmonary Training, Respiratory physiotherapist, Scientist (basic, translational)

Chairs : Arzu Yorgancıoğlu (Konak, Turkey), Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)

10:45	Pro: Are β-blockers beneficial in COPD? Alan Kaplan (Stouffville (ON), Canada)
10:30	Con: Are β-blockers beneficial in COPD? Daiana Stolz (Freiburg, Germany)
11:00	Discussion and Q&A

Amber 1+2	Session	10:40 - 13:00
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Skills workshop: SW11 Clinical-radiological-pathological correlation in pulmonary hypertension

Aims : to develop a systematic approach to interpretation of radiological investigations (with a focus on computed tomography) in patients with suspected pulmonary hypertension (PH); to provide practical experience in performing and interpreting echocardiography in patients with PH; to improve knowledge and understanding of pathological changes associated with PH; to improve skills in integrating clinical, radiological and right heart catheter data to enable the correct diagnosis of patients with suspected PH.

Disease(s) : Pulmonary vascular diseases

Method(s) : Imaging

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Pathologist, Physician in Pulmonary Training, Radiologist

Chairs : Anton Vonk Noordegraaf (Amsterdam, Netherlands)

10:40	Introduction
10:40	Radiological assessment of pulmonary hypertension Deepa Gopalan (LONDON, United Kingdom)
10:40	Pathological assessment of pulmonary hypertension Teodora Radonic (Amsterdam, Netherlands)
10:40	Echocardiography in pulmonary hypertension Marielle van de Veerdonk (Amsterdam, Netherlands), Abdul Hameed (Sheffield (South Yorkshire), United Kingdom)
10:40	Clinical assessment of pulmonary hypertension Anton Vonk Noordegraaf (Amsterdam, Netherlands)

Blue 1+2	Session	11:00 - 12:15
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Oral presentation: Mechanisms underlying the influence of obesity on respiratory diseases

Disease(s) : Airway diseases Sleep and breathing disorders Thoracic oncology

Method(s) : Epidemiology Cell and molecular biology Imaging General respiratory patient care Physiology Public health

Chairs : Niki Ubags (Epalinges, Switzerland)

Late Breaking Abstract - Perinatal obesity induces premature alveolar aging by AT2 cell depletion via IL-6-driven transcriptional and genome instability

Jaco Selle (Köln, Germany), Oleksiy Klymenko, Bastian Abend, Tobias Trojan, Chrysa Nikopoulou, Stephanie Stephan, David Meyer, Gabriela Riederer, Christina Vohlen, Rebecca Wilke, Ana-Ivonne Vazquez-Armendariz, Baktybek Kojonazarov, Peter Tessarz, Susanne Herold, Norbert Weißmann, Werner Seeger, Jörg Dötsch, Leo Kurian, Björn Schumacher, Miguel A. Alejandre Alcazar

Western dietary pattern during pregnancy increases risk of childhood asthma dependent on social circumstances

Mina Ali (Copenhagen, Denmark), David Horner, Min Kim, Nicklas Brustad, Tingting Wang, Liang Chen, Casper-Emil T. Pedersen, Ann-Marie Malby Schoos, Jakob Stokholm, Klaus Bønnelykke, Morten A. Rasmussen, Bo Chawes

Genetic susceptibility to high BMI increases risk of early life asthma exacerbations and infections

Signe Kjeldgaard Jensen (København SV, Denmark), Anders Eliassen, Mathias Elsner Melgaard, Nicklas Brustad, Julie Kyvsgaard, Ann-Marie Malby Schoos, Jakob Stokholm, Bo Chawes, Klaus Bønnelykke

Fully automated CT-based body composition analysis shows altered adipose tissue ratios in people with CF receiving CFTR modulator therapy

Dirk Westhölter (Essen, Germany), Johannes Haubold, Johannes Wienker, Matthias Welsner, Sivagurunathan Sutharsan, Christian Taube, Michael Forsting, Felix Nensa, Rene Hosch, Marcel Opitz

Specific association of extracellular vesicles-derived miRNA-17 and -106a clusters with pathomechanisms of obesity-associated low type-2 asthma

Holger Garn (Marburg, Germany), Fahd Alhamdan, Timm Greulich, Christian Daviaud, Leigh M. Marsh, Frauke Pedersen, Clemens Thölken, Petra I. Pfefferle, Thomas Bahmer, Daniel P. Potaczek, Jörg Tost

Allergic inflammation modulates the adiponectin/adiponectin receptor 1 axis in lung regulatory T cells in vivo

Patricia Ramos-Ramírez (Glassboro, United States), Carina Malmhäll, Apostolos Bossios

Risk factors for asthma related hospital admissions in adults: Analysis of 1.2 million patients in England

Nicola Adderley (Birmingham, United Kingdom), Nikita Williams-Simms, Rasiah Thayakaran, Krishnarajah Nirantarakumar, Shamil Haroon, Prasad Nagakumar, Adel Mansur

Adipocyte-fibroblast bidirectional crosstalk promotes features of fibrosis

Nour Jalaleddine (Beirut, Lebanon), Mellissa Gaudet, Qutayba Hamid, Saba Al Heialy

Intermittent hypoxia exposure increases adipose insulin resistance and lipolysis in healthy humans: a randomized cross over trial.

Renaud Tamisier (Grenoble, France), Anne Briançon-Marjollet, Marie Netchitailo, Fanny Fabre, Elise Belaidi, Claire Arnaud, Anne-Laure Borel, Patrick Levy, Jean-Louis Pépin

Adipokines in cachexia of patients with lung cancer

Lukas Hofmann (Leipzig, Germany), Charlotte Frommelt, Malte Ossenberg, Jonas Oberhuber-Kurth, Johanna Pappisch, Teresa Kerkhoff, Nicolas Linder, Harald Busse, Thomas Ebert, Anke Tönjes, Sebastian Krämer, Hartmut Kuhn, Hubert Wirtz, Armin Frille

Discussion and Q&A**Brown 1+2****Session****11:00 - 12:15****Oral presentation: Best abstracts in clinical problems****Disease(s) :** Pulmonary vascular diseases Airway diseases Respiratory critical care Sleep and breathing disorders**Method(s) :** General respiratory patient care Pulmonary function testing Public health Cell and molecular biology Pulmonary rehabilitation Physiology Epidemiology**Chairs :** Georgios Kaltsakas (Athens, Greece), Anne Orholm Nielsen (Gentofte, Denmark)**Late Breaking Abstract - Obstructive sleep apnea and chronic cough: is there really a link?**

Laurent Guilleminault (Toulouse Cedex, France), Jérémie Riou, Sandrine Pontier, Kamila Sedkaoui, Frédéric Gagnadoux, Trzepizur Wojciech

Prevalence of abnormal oscillometry among ambulatory Long COVID patients

Anthony Byrne (Allambie Heights, Australia), Nick Lees, Elli Asgary, Emma Stumbles

Effect of treatment with tobramycin on the airway microbiota and resistome in bronchiectasis patients chronically colonised with Pseudomonas aeruginosa: iBEST study

Michael M Tunney (Belfast (Belfast), United Kingdom), Gisli G Einarsson, Andrew J Lee, Aya Alkhatib, Jack Carson, Andrew Marshall, Stephen Carson, Deirdre F Gilpin, Gerhild Angyalosi, Vincent Malaterre, James D Chalmers, Michael R Loebinger, Francesco Blasi, Charles S Haworth, J Stuart Elborn

Effects of saline nebulisation on SARS-CoV2 spreading and exhaled bio-aerosol particles in COVID-19 patients

Francesca BUTTINI (Parma, Italy), Leonardo Gori, Fabio Morecchiato, Andrea Bartolini, Gian Maria Rossolini, Alessandro Bartoloni, Jessica Mencarini, Ruggero Bettini, Federico Lavorini

Two-year cohort study after GM-CSF inhalation therapy for autoimmune pulmonary alveolar proteinosis

Koh Nakata (Niigata, Japan), Ryushi Tazawa, Page Research Group, Nobutaka Kitamura

Correlation between endothelial dysfunction and Left ventricular global strain in patients with COVID-19 (from the TUN ENDCOV Study)

yosra braham (Monastir, Tunisia), Imen Touil, Ibn Haj Amor Hassen, Charfeddine Salma, Kraiem Salma, Hammami Rania, Mahmoud Anis, Torjmen Slim, Abdesslem Salem, Abid Leila, Braham Yosra, Knani Jalel

Prevalence and associated factors to post-COVID-19 functional respiratory complaints (FRCs) identified by the Nijmegen questionnaire (NQ)

Thomas Gille (Bobigny, France), Lucile Sesé, Simon Chauveau, Bénédicte Giroux-Leprieur, Aurélie Hervé-Carrega, Morgane Didier, Gary Silvera, Mannelle Mokrani, Yousra Coulibaly, Marcilia Da Silva, Anabel Moreno, Stéphanie Groutteau, Emeline Saindoy, Hilario Nunes, Yurdagül Uzunhan, Carole Planès

One year health-outcomes in adults hospitalised with COVID-19 who received systemic corticosteroid treatment: prospective cohort study

Richard Russell (Leicester, United Kingdom), Olivia Leavy, Steven Kerr, Ewen Harrison, Annemarie Docherty, Nazir Lone, Louise Wain, Aziz Sheikh, Chris Brightling, Rachael Evans

Hyperventilation syndrome (HVS) after COVID 19 pneumonia : what are the predisposing factors?

Hela Cherif (Tunis, Tunisia), Mariem Friha, Salma Mokaddem, Oumaima Belakhel, Mariem Triki, Ferdaous Yangui, Mohamed Ridha Charfi

How is lung function affected in children with long-COVID?

Zeynep Reyhan Onay (Istanbul, Turkey), Sinem Can Oksay, Deniz Mavi, Gulay Bilgin, Yetkin Ayhan, Ferit Durankus, Saniye Girit

Discussion and Q&A

Yellow 1+2+3	Session	11:00 - 12:15
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Oral presentation: Highway one to chronic lung allograft dysfunction**Disease(s) :** Airway diseases Interstitial lung diseases Pulmonary vascular diseases Thoracic oncology**Method(s) :** Transplantation Cell and molecular biology Imaging Pulmonary function testing**Chairs :** Michael Perch (Copenhagen, Denmark), Berta Saez Gimenez (Barcelona, Spain)**Late Breaking Abstract - Functional prediction of post-operative lung physiology should really include diffusing capacity.**

Sylvia Verbanck (Bruxelles, Belgium), Karolien Vekens, Dirk Smets, Shane Hanon, Eef Vanderhelst

High-throughput spectral flow cytometry of BAL identifies profound changes in immune cell subsets in CLAD

Saskia Bos (Newcastle upon Tyne, United Kingdom), Darius Armstrong, Vicky Gerovasili, Kavita Dave, Martin Carby, John Dunning, Binu Raj, Krishika Rangmang, Haleema Khanum, Gabija Drazdauskaite, Kasim Jiwa, Steve Bolton, Muteb Alatawi, Eduardo De Paiva, Jennie Yang, Jeremy Mason, Adrian Hayday, Andrew J Fisher, Thomas Hayday, Adam Laing, Anna Reed

Does early scalloping of the flow volume loop predict chronic lung allograft dysfunction (CLAD)/bronchiolitis obliterans syndrome (BOS) and survival post lung transplantation?

Han Loong Tan (Kuala Lumpur, Malaysia), James L Lordan, Gerard Meachery, Gareth Parry, Andrew J Fisher, Arun Nair

Mesenchymal stromal cells as rescue therapy for refractory Chronic Lung Allograft Dysfunction: preliminary data of an Italian monocentric cohort

Sara Lettieri (Pavia, Italy), Eleonora Bozza, Cecilia Bagnera, Sara Bozzini, Valentina Vertui, Stefania Croce, Chiara Valsecchi, Elisa Lenta, Antonia Avanzini, Federica Meloni, Patrizia Comoli

Donor-derived cell-free DNA in chronic lung allograft dysfunction phenotypes

Hanne Beeckmans (Leuven, Belgium), H De Loo, Tessa Goeminne, Nilufer Acet Öztürk, Saskia Bos, Pieterjan Kerckhof, Janne Kaes, Vincent Geudens, Emanuela Cortesi, Céline Aelbrecht, Astrid Vermaut, Lynn Willems, Marie Vermant, Tinne Goos, Gitte Aerts, Charlotte Hooft, Youssry Mohamady, Xin Jin, Jan Van Slambrouck, Laurens Ceulemans, Laurent Godinas, Maarten Naesens, Bart Vanaudenaerde, Robin Vos

Prediction of Chronic Lung Allograft Dysfunction by Serum KL-6 Levels

Victoria Ruiz (Barcelona, Spain), Marta Arjona Peris, Alberto Mendoza-Valderrey, Berta Saez-Gimenez, Marta Zapata-Ortega, Manuel Lopez-Meseguer, Maria Deu, Susana Gomez-Olles, Carlos Bravo, Cristina Berastegui

Effects of extracorporeal photo-apheresis in CLAD patients: PBMCs release of exosomal-miRNAs, cytokines and growth factors

Sara Bozzini (Pavia, Italy), Cecilia Bagnera, Eleonora Bozza, Claudia Del Fante, Cesare Perotti, Federica Meloni

The local immune response after murine lung transplantation

Pieterjan Kerckhof (Leuven, Belgium), Janne Kaes, Jin Xin, Celine Aelbrecht, Vincent Geudens, Arno Vanstapel, Charlotte Hooft, Lynn Willems, Jan Van Slambrouck, Lucia Aversa, Hanne Beeckmans, Gitte Aerts, Astrid Vermaut, Marta Zapata, Dirk Van Raemdonck, Yousry Mohamady, Laurent Godinas, Laurens De Sadeleer, John Mdonough, Laurens Ceulemans, Robin Vos, Bart Vanaudenaerde, Yildirim Önder, Francesca Polverino, Joselyn Rojas Quintero, Juan Cala Garcia

Flow-cytometric assessment of T cell response to monitor immunosuppression

Torstein Watne (OSLO, Norway), Inga Leuckfeld, Arnt E. Fiane, Are M. Holm

Significance of chest CT opacities prior to CLAD onset in restrictive allograft syndrome

Hanne Beeckmans (Leuven, Belgium), Pieterjan Kerckhof, Janne Kaes, Saskia Bos, Geert Verleden, Lieven Dupont, Laurent Godinas, Laurens Ceulemans, Dirk Van Raemdonck, Bart Vanaudenaerde, Robin Vos

Discussion and Q&A

Red 1+2	Session	11:00 - 12:15
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Oral presentation: Innovative approaches to managing asthma and chronic obstructive pulmonary disease: a translational perspective**Disease(s) :** Airway diseases Interstitial lung diseases**Method(s) :** Cell and molecular biology Endoscopy and interventional pulmonology Imaging Pulmonary function testing Pulmonary rehabilitation Transplantation General respiratory patient care Physiology**Chairs :** Lena Uller (Lund, Sweden), Manali Mukherjee (Hamilton (ON), Canada)**Late Breaking Abstract - Early improvement in asthma small airway dysfunction after one dose of SAR443765, a novel bispecific anti-thymic stromal lymphopoietin/anti-IL-13 nanobody molecule**

Annemie Deiteren (Gent, Belgium), Emmanuel Krupka, Karine Imberdis, Naimish Patel, Heribert Staudinger, Selcuk Bas, Benjamin Suratt

Autologous transplantation of P63+ lung progenitor cells for chronic obstructive pulmonary disease therapy
Wei Zuo (Shanghai, China), Yujia Wang, Zili Meng, Ming Liu, Yueqing Zhou, Difei Chen, Yu Zhao, Ting Zhang, Nanshan Zhong, Xiaotian Dai, Shiyue Li

Relationship between IL-33 expression and epithelial remodelling in COPD small airways
Sophie Booth (WHITE - English/Welsh/Scottish/Northern Irish or B, United Kingdom), Danen Cunoosamy, Jørgen Vestbo, Dave Singh, Andrew Higham

A novel senotherapeutic approach for COPD via activating autophagy-lysosome axis
Sachi Matsubayashi (Tokyo, Japan), Yusuke Hosaka, Saburo Ito, Jun Araya, Yuta Hirano, Shota Fujimoto, Hironori Kawamoto, Naoaki Watanabe, Tsukasa Kadota, Yu Fujita, Daisuke Takekoshi, Shunsuke Minagawa, Takanori Numata, Hiromichi Hara, Kazuyoshi Kuwano

SIL-6Rα amplified IL-6 signaling in bronchial epithelial cells defines a subgroup of asthma patients low in sputum eosinophils
Reinoud Gosens (Groningen, Netherlands), Zaid El-Husseini, Dmitry Khalkenow, Andy Lan, Maarten Van Den Berge, Djoke Van Gosliga, Martijn Nawijn, Judith Vonk, Gerard Koppelman

Mepolizumab alters the phenotype and activation status of peripheral blood eosinophils in patients with severe eosinophilic asthma
Pablo Miguéns-Suárez (Santiago de Compostela, Spain), Sara Vázquez-Mera, Laura Martelo-Vidal, Uxío Calvo-Álvarez, Raquel Ruiz-Ferreras, Marina Blanco-Aparicio, Coral González-Fernández, Mar Mosteiro-Añón, María Dolores Corbacho-Abelaira, Paula Méndez-Brea, Juan José Nieto-Fontarigo, Francisco Javier Salgado, Francisco Javier González-Barcala

Effect of add-on therapies (mepolizumab, omalizumab or azithromycin) on asthma remission in severe asthma
Dennis Thomas (New Lambton Heights, Australia), Vanessa McDonald, Sean Stevens, Erin Harvey, Melissa Baraket, Philip Bardin, Jeff Bowden, Simon Bowler, Jimmy Chien, Li Ping Chung, Andrew Gillman, Mark Hew, Sandra Hodge, Alan James, Christine Jenkins, Constance Katelaris, Gregory Katsoulotos, David Langton, Joy Lee, Guy Marks, Matthew Peters, Naghmeh Radhakrishna, Paul Reynolds, Janet Rimmer, Pathmanathan Sivakumaran, John Upham, Peter Wark, Ian Yang, Peter Gibson

Effect of in vitro azithromycin treatment on epithelial antiviral immunity in eosinophilic and non-eosinophilic asthma phenotypes
Muzhda Ghanizada (Copenhagen, Denmark), Sofia Malm Tillgren, Nihaya Mahmoud Said, Helle Frost Andreassen, Louise Munkholm Andreassen, Lise Lotte Eriksen, Nanna Dyhre-Petersen, Mandy Menzel, Samuel Cerps, Asger Sverrild, Lena Uller, Celeste Porsbjerg, Therese Lapperre

NK cell maturation and proliferation in severe asthmatic patients after Benralizumab therapy
Laura Bergantini (siena, Italy), Miriana D'Alessandro, Tommaso Pianigiani, Elena Bargagli, Paolo Cameli

The inhaled PDE4 inhibitor tanimilast shows efficacy in both Th2 and non-Th2 murine models of asthma
Anna Rita Pisano (Parma (PR), Italy), Debora Fragni, Andrew Allen, Marina Tondelli, Alice Pappani, Davide De Angelis, Maurizio Civelli, Gino Villetti, Daniela Miglietta

Discussion and Q&A

Brown 3 Session 11:00 - 12:15

Oral presentation: Physical activity, exercise, and rehabilitation in lung disease

Disease(s) : Airway diseases

Method(s) : Pulmonary rehabilitation Transplantation General respiratory patient care

Chairs : Deniz Inal-Ince (Ankara, Turkey), Daniel Langer (Leuven, Belgium)

Late Breaking Abstract - Group-based Tele-Yoga improves exercise capacity, respiratory and cognitive function and quality of life in obstructive sleep apnea syndrome
Deniz Inal-Ince (Ankara, Turkey), Filiz Eyuboglu, Berna Karamancioglu, Naciye Vardar-Yagli, Defne Kaya-Utlu, Orhan Dalkilic, Goksel Somay

A randomized trial of three months physical activity telecoaching in patients post lung transplantation
Sofie Breuls (Leuven, Belgium), Astrid Blondeel, Marieke Wuyts, Wim Janssens, Robin Vos, Thierry Troosters, Heleen Demeyer

Physical activity tele coaching in COPD: intermediate effects
Astrid Blondeel (Leuven, Belgium), Fien Hermans, Sofie Breuls, Marieke Wuyts, Eric Derom, Wim Janssens, Heleen Demeyer, Thierry Troosters

Effects of an online behaviour change intervention to promote physical activity in adults with asthma: preliminary data of a randomized controlled trial

Joice Mara Oliveira (Londrina, Brazil), Ariele Pedroso, Natielly Soares Correia, Denner Ildemar Feitosa Melo, Caroline Sydloski Bidoia, Fabio Pitta, Manuela Karloh, Thiago Sousa Matias, Fabiano Francisco Lima, Marieta Cabral Amaral Da Cunha, Celso R F Carvalho, Karina Couto Furlanetto

Effectiveness of Personalised CommUnity-based Physical activities for people with chronic obstructive pulmonary disease (PICK UP)

Alda Sofia Pires De Dias Marques (Aveiro, Portugal), Patrícia Filipa Sobral Rebelo, Guilherme Rodrigues, Cíntia Dias, Ana Grave, Ana Sofia Rijo, Maria João Moura, Ana Carolina Oliveira, João Cravo, Maria Aurora Mendes, André Teixeira, Rodolfo Pinto, Dina Brooks

Is improving physical activity after pulmonary rehabilitation in COPD left to chance?

Joana Antão (Aveiro, Portugal), Patrícia Rebelo, Frits Franssen, Martijn Spruit, Alda Marques

Physical Activity coaching in people with COPD: a systematic literature review

Nicola Sante Diciolla (Madrid, Spain), María José Yuste-Sánchez, Alda Marques

The impact of pulmonary rehabilitation on the physical activity level of COPD patients across BMI groups

Heleen Demeyer (Leuven, Belgium), Marthe Van Overbeke, Lucas Vanden Bossche, Astrid Blondeel, Sofie Breuls, Marieke Wuyts, Lode Claes, Ysys Denuette, Andreas Von Leupoldt, Wim Janssens, Thierry Troosters

Pulmonary telerehabilitation vs. Conventional pulmonary rehabilitation – Secondary responder analysis

Henrik Hansen (Dragør, Denmark), Andre Torre, Thomas Kallemose, Charlotte Suppli Ulrik, Nina Skavlan Godtfredsen

Benefits of pulmonary rehabilitation in low compared to high-resource settings in COPD

Alda Sofia Pires De Dias Marques (Aveiro, Portugal), Joana Antão, Cátia Paixão, Patrícia Rebelo, Ana Machado, Sara Souto-Miranda, Ana Sofia Grave, Cíntia Dias, Guilherme Rodrigues, Tânia Pinho, M Aurora Mendes, Ana Olivera

Discussion and Q&A**Amber 3+4****Session****11:10 - 14:00****Skills workshop: SW14 Thoracic ultrasound basic principles**

Aims : To describe the current use of thoracic ultrasound and to provide participants with the opportunity to perform this technique using training models, simulators, volunteers and patients.

Disease(s) : Thoracic oncology Interstitial lung diseases

Tag(s) : Clinical

Chairs : John Wrightson (Oxford, United Kingdom)

11:10 Introduction
John Wrightson (Oxford, United Kingdom)

11:40 Normal Thoracic Cavity
Morten Bendixen (Skejby, Denmark)

11:40 Pleural effusion and/or pleural thickening
Giovanni Volpicelli (Torino (TO), Italy), Pia Iben Pietersen (Odense C, Denmark)

11:40 Case studies
Radhika Banka (Mumbai (Maharashtra), India)

11:40 Guided interventions
Gilles Mangiapan (Creteil, France), Speaker to be confirmed

Studio (White)**Session****11:45 - 13:20****Year in review: Scientific year in review**

Aims : to provide an overview of basic and translational scientific highlights and major achievements in the respiratory field within the past year, focusing on abnormal lung tissue damage and repair; to provide an overview of various key publications that are expected to have a major impact on the respiratory field and with high clinical relevance based on promising results in preclinical models; to cover a variety of pulmonary diseases; to discuss the potential of novel therapeutic strategies to be translated into the clinic.

Disease(s) : Airway diseases Interstitial lung diseases Respiratory infections**Method(s) :** Cell and molecular biology**Tag(s) :** Translational**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Respiratory critical care physician, Paediatrician, Pathologist, Scientist (basic, translational)**Chairs :** Sara Cuevas Ocaña (Nottingham, United Kingdom), H. Irene Heijink (Groningen, Netherlands)

11:45 **Chronic obstructive pulmonary disease pathogenesis: understanding the contributions of gene-environment interactions across the lifespan in abnormal lung tissue damage and repair**
Rosa Faner Canet (Barcelona, Spain)

12:00 **Novel insights into the defective alveolar niche in chronic lung disease**
Speaker to be confirmed

12:15 **Discussion and Q&A**

12:30 **Break**

12:35 **Novel proregenerative and antiageing targets for the treatment of fibrotic lung disease**
Melanie Konigshoff (Pittsburgh, United States)

12:50 **Tissue barrier dysfunction as a therapeutic target in pathogen-associated respiratory failure**
Wolfgang M. Kübler (Berlin, Germany)

13:05 **Discussion and Q&A**

12:15-13:15**INDUSTRY LUNCHTIME SYMPOSIUM****SEE PAGE 1****PS-14 in poster area****Session****12:30 - 14:00****Poster session: Lung transplantation****Disease(s) :** Airway diseases Pulmonary vascular diseases Respiratory critical care Interstitial lung diseases**Method(s) :** Transplantation Physiology General respiratory patient care Respiratory intensive care Epidemiology Pulmonary function testing Pulmonary rehabilitation Cell and molecular biology Endoscopy and interventional pulmonology Imaging Surgery Palliative care**Chairs :** Peter Jaksch (wien, Austria), Merel Hellemons (Rotterdam, Netherlands)

Central versus peripheral adaptations after lung transplantation in patients with end-stage chronic obstructive pulmonary disease

Jacob Peter Hartmann (København V, Denmark), Camilla Koch Rysør, Thomas Kromann Lund, Michael Perch, Pia Thaning, Lasse Gliemann, Ylva Hellsten, Gregers Winding Munch, Bente Klarlund Pedersen, Ronan Martin Griffin Berg, Ulrik Winnig Iepsen

ECG-based detection of an atrial cardiomyopathy allows identification of patients at risk for postoperative supraventricular arrhythmias after lung transplant

Paula Kuss (Freiburg, Germany), Martin Eichenlaub, Ina Hettich, Sebastian Fähndrich, Björn Frye, Daiana Stolz

Regional spirometry by electrical impedance tomography in the postoperative follow-up of Single-Lung Transplantation: Case series

Ignacio Fernández Ceballos (Buenos Aires, Argentina), Joaquin Ems, Miriam Gabriela Marcos, Leiniker Navarro Rey, Juan Martín Nuñez Silveira, Emilio Steinberg, Julieta Gonzalez Anaya, Indalecio Carboni Bisso, Graciela Svetliza, Maria Laura Orazi, Enrique Beveraggi, Marcos Las Heras, Gabriel Elias Vega

The association between neutrophil-lymphocyte ratio and short-term survival after lung transplantation.

Hyeon Kyeong Bae (seoul, Republic of Korea), Eun Young Kim, A La Woo, Moo Suk Park, Ha Eun Kim, Jin Gu Lee, Su Hwan Lee

Identification of a peripheral blood immune signature of CLAD in lung transplant recipients using spectral flow cytometry

Saskia Bos (Newcastle upon Tyne, United Kingdom), Darius Armstrong, Vicky Gerovasili, Kavita Dave, Martin Carby, John Dunning, Binu Raj, Krishika Rangmang, Haleema Khanum, Gabija Drazdauskaite, Kasim Jiwa, Steve Bolton, Muteb Alatawi, Eduardo De Paiva, Jennie Yang, Jeremy Mason, Adrian Hayday, Andrew J Fisher, Thomas Hayday, Adam Laing, Anna Reed

MI-Edon study: the role of respiratory physiotherapy as a tool for the optimization of the lung donor.

Gonzalo Ballesteros Reviriego (Algeciras, Spain), Irene Bello Rodríguez, Alberto Sandiumenge Camps, Eduardo Miñambres, Jose María Mancíño, Bernat Planas Pascual, Joan Daniel Martí, Ángela Suarez, Joan Marcobal, Aroa Gómez Brey, Cristopher Mazo, María Deu, David Paredes, Gerard Sanchez, Marc Boada, Alba Gómez Garrido, Belén Garcés, Meritxell Peñalver, Adriana Martín, Andrea Pérez

Survival of idiopathic pulmonary fibrosis patients treated with antifibrotics versus lung transplantation

Martina Šterclová (Praha, Czech Republic), Monika Zurkova, Vladimira Lostakova, Martina Plackova, Radka Mokosova, Vladimir Bartos, Martina Doubkova, Lubica Sykorova, Ladislav Lacina, Michaela Cimrova, Pavlina Lisa, Radka Bittenglova, Hana Suldova, Pavlina Musilova, Jana Psikalova, Tomas Dolezal, Petra Ovesna, Lucie Valentova-Bartakova, Robert Lischke, Martina Koziar-Vasakova

Peripheral airway monitoring in lung transplant recipients using IOS and MBW

Madeleine Driskel (Manchester, United Kingdom), John Blaikley, Karthik Santhanakrishnan, Catherine Fullwood, Rajamiyer Venkateswaran, Alex Horsley

Nezulcitinib (TD-0903), an inhaled JAK inhibitor reduces ConA-induced lung inflammation and lung injury in mice

Elad Kaufman (South San Francisco, United States), Reuben Sana, Joseph Chen, Matthew Frates, Ilaria Badagnani, Glenmar Obedencio, David Bourdet, Edmund Moran

Effect of paclitaxel and methotrexate associated with cholesterol-rich nanoemulsions on ischemia-reperfusion injury after unilateral lung transplantation in rats

Angela Battochio (São Paulo, Brazil), Elaine Tavares, Aristides Correia, Francine Almeida, Priscila Carvalho, Maria Guido, Paulo Pêgo-Fernandes, Raul Maranhão, Rogerio Pazetti

Pre-lung transplant VO₂max predicts functional outcomes post-lung transplantation

Emma Bakelants (Kessel-Lo, Belgium), Hanne Beeckmans, Marius Brusselmans, Geert Verleden, Lieven Dupont, Laurent Godinas, Dirk Van Raemdonck, Laurens Ceulemans, Geert Celis, Iris Coosemans, Wim Janssens, Stephanie Everaerts, Robin Vos

Virtual home-based pre-habilitation program in lung transplant candidates

Tania Janaudis-Ferreira (Montréal (QC), Canada), Nicholas Bourgeois, Larry C Lands, Karina Prévost, Charles Poirier

Low baseline FVC predicts enhanced risk of CLAD and death in lung transplant recipients

Henrik Mangseth (Oslo, Norway), Michael Thomas Durheim, Inga Leuckfeld, Are Martin Holm

Functional pattern of baseline lung allograft dysfunction after lung transplantation.

Martin Bon (Cenon, France), Guillaume Verdy, Claire Bon, Elodie Blanchard, Julie Macey, Hadrien Golhen, Clement Boisselier, Benjamin Repusseau, Régis Seramondi, Patrick Reynier, Eline Bonnardel, Christelle Pellerin, Jerome Ridolfo, Eloise Gallo, Pierre Khan, Hadrien Roze, Arnaud Rodriguez, Yaniss Belaroussi, Benjamin Chevalier, Frederic Delcambre, Matthieu Thumerel, Jacques Jougon, Xavier Demant

Donor-derived cell-free DNA levels in combined heart-lung transplant recipients using a novel PCR-based assay.

Owais Tisekar (Bangalore, India), Md Moiz Lalani, Vijil Rahulan, Samuel Devi, Manjunath N, Menander M, Manish Sharma, Prabhat Dutta, Sandeep Attawar

Longitudinal monitoring of LCI in spirometrically stable lung transplant recipients

Madeleine Driskel (Manchester, United Kingdom), John Blaikley, Karthik Santhanakrishnan, Catherine Fullwood, Rajamiyer Venkateswaran, Alex Horsley

Repetitive remote ischemic conditioning (RIC) effect size (ES) on composite indices apropos to primary graft dysfunction (PGD)

Daniel Black (Chermside, Queensland, Australia), Liliana Black, Simon Black

Perspectives of an uncontrolled donation after circulatory death lung transplantation program

Alessandro Palleschi (Milano (MI), Italy), Valeria Musso, Alberto Zanella, Letizia Corinna Morlacchi, Valeria Rossetti, Marco Sacchi, Elena Benazzi, Tullia De Feo, Giuseppe Piccolo, Mario Nosotti

Machine-learning based BAL cytology of lung transplant patients

Michael Gerckens (München, Germany), Carlo Muemmler, Johannes Strodel, Gerald Burgstaller, Jürgen Behr, Nikolaus Kneidinger

End-of-life care for lung transplant recipients: a new role for palliative medicine.

Letizia Corinna Morlacchi (Milano (MI), Italy), Maria Pappalettera, Valeria Rossetti, Ilaria Righi, Francesco Damarco, Mario Nosotti, Roberto Ercole Moroni Grandini, Francesco Blasi

PS-12 in poster area

Session

12:30 - 14:00

Poster session: Epidemiology in pulmonary function and sleep-disturbed breathing in children

Disease(s) : Sleep and breathing disorders**Method(s) :** General respiratory patient care Physiology Epidemiology Public health Pulmonary function testing Imaging Cell and molecular biology Respiratory intensive care**Chairs :** Refika Hamutcu Ersu (Ottawa, Canada), Chair to be confirmed**Utility of overnight oximetry indices in the evaluation of children with suspected Obstructive Sleep Apnea**

Yu Qian Koh (Singapore, Singapore), Arun Pugalenth, Yi Hua Tan, Ooh Hoe Teoh, Zai Ru Cheng, Duo Tong Cheng, Anne Goh, Oh Moh Chay, John Carson Allen Jr, S G Tan, M Lim, Jasmine Tan, Biju Thomas

One night home pulse oximetry is sufficient in the investigation of sleep disordered breathing

Jane Doran (Dublin, Ireland), Susan Keogh, Aidan Beegan, Ruth O'Reilly

Clinical characteristics of children with positive Pediatric Sleep Questionnaire with or without hypoxemia

Magdalena Vocos (Ciudad Autónoma Buenos Aires, Argentina), Gimena Donth Leger, Carlos Velasco, Tania Flores, Doris Primerose, Marcela Roque, Juan Manuel Figueroa

Nocturnal Carbon Dioxide recording in children without comorbidities according to obstructive sleep apnoea

Julie Cassibba (Paris, France), Houda Guillo-Saleh, Marie-Claude La Rocca, Nicole Beydon

Comparison of mobile video clips, questionnaire and polygraphy parameters for detection of pediatric obstructive sleep apnea

Refika Hamutcu Ersu (Ottawa, Canada), Henrietta Blinder, Naomi Dussah, Vid Bijelic, Nick Barrowman, Sherri Lynne Katz

Idiopathic Apnea In Term Newborns And Infants Under 6 Months Of Age: A Multicenter Study

Jean-marc Gilardoni (Nice, France), Julie Mazenq, Anne-Marie Maillote, Isabelle Pin, Geraldine Labouret, Océane Cheyrou, Antoine Tran, Jessica Taytard, Lisa Giovannini-Chami

Inter-rater reliability of video clips to assess for obstructive sleep apnea in children

Refika Hamutcu Ersu (Ottawa, Canada), Henrietta Blinder, Naomi Dussah, Vid Bijelic, Nick Barrowman, Sherri Lynne Katz

Home sleep studies in children with neurodisabilities: any impact on clinical decision making?

Mihaela Diaconu (London, United Kingdom), Andrew Bush, Hui-Leng Tan

Evaluation of sleep disordered breathing in children with allergic rhinitis

Zeynep Reyhan Onay (Istanbul, Turkey), Sinem Toprak, Deniz Mavi, Sinem Can Oksay, Gulay Bilgin, Yasemin Mocan Caglar, Begum Yoruk, Ozge Ulgen, Saniye Girit

Reproducibility of home spirometry in children with neuromuscular disease

miriam murlis (cambridge, United Kingdom), Laura Lowndes, Ashleigh Gibby, Theofilos Polychronakis

Validation of the conditional change score for FEV1 in children with asthma

Andrew Zikic (Toronto, Canada), David Wilson, Lucy Perrem

Oxygen therapy in infants with extreme periodic breathing

Luana Nosetti (Luino (VA), Italy), Marta Vergani, Marco Zaffanello, Massimo Agosti, Simri Sleep Disordered Breathing Group

The effect of being born moderate-late preterm on lung function at 9 years

Cassidy Du Berry (Melbourne, Australia), Liam Welsh, Nicole Westrupp, Tara Fitzgerald, Rheanna Mainzer, Sarath Ranganathan, Lex Doyle, Jeanie Cheong

Early-life risk-factors determine distinct lung function trajectories for those born preterm

Elizabeth Smith (Beaconsfield (WA), Australia), Rachel Foong, Naomi Hemy, Graham Hall, Andrew Wilson, Shannon Simpson

Progression of structural lung abnormality from 11 to 19 years in those born <32 weeks.

Andrew Wilson (Perth (WA), Australia), Elizabeth Smith, Conor Murray, Jasmine Grdosic, Naomi Hemy, Graham Hall, Shannon Simpson

Investigating the relationship between inflammatory biomarkers and lung function in survivors of very preterm birth

Denby Evans (Nedlands, Australia), Jake Puglia, Rhea Urs, Tiffany Bradshaw, Naomi Hemy, Elizabeth Smith, Shannon Simpson

Do childhood cancer survivors have reduced pulmonary function compared to healthy individuals?

Elisabeth Edvardsen (Oslo, Norway), Mari Bratteteig, Norunn Iren Matthews, Thomas Halvorsen, Ellen Ruud, Trine Stensrud

Could chronic obstructive pulmonary disease be a pediatric condition?

Amani SAYHI (tunis, Tunisia), Khansa Derbel, Soumaya Khaldi, Balsam Barkous, Yosra Abdelhedi, Arwa Yahyaoui, Mariem Abdesslem, Fatma Guezguez, Ines Ghannouchi, Sonia Rouatbi

Efficacy of melatonin in children with chronic somatic cough

Ahmad Kantar (Bergamo (BG), Italy)

Late Breaking Abstract - A novel CPAP device with an integrated oxygen concentrator for low-resource countries: in vitro validation and usability test in field

Sofia Poletto (Milan, Italy), Emanuela Zannin, Giovanni Putoto, Moses Obizu, Samuel Okori, Jerry Ichtho, Peter Lochoro, Raffaele L. Dellacà

PS-19 in poster area**Session****12:30 - 14:00****Poster session: COVID-19 vaccines and immunity**

Disease(s) : Airway diseases Respiratory critical care

Method(s) : General respiratory patient care Imaging Epidemiology Public health Cell and molecular biology

Chairs : Pierre-Régis Burgel (Paris, France), Chair to be confirmed

Association between mRNA vaccination and COVID-19 hospitalization and disease severity

Adamadia Liapikou (Athens, Greece), Alexandra Kote, Aggeliki Sotiropoulou, Panagiotis Peristeris, Ioanna Augerinou, Ioannis Dimitroulis, Stella Kourelea

Impact of IFN- γ and IL-2 measurement in the assessment of the cellular immunity against SARS-CoV-2

Guillem Safont-Gonzalez (Breda, Spain), Raquel Villar-Hernández, Daria Smalchuk, Žoran Stojanovic, Alicia Marín, Alicia Lacoma, Cristina Pérez-Cano, Anabel López-Martínez, Bárbara Molina-Moya, Alan Jhuniol-Solis, Fernando Arméstar, Joan Matlló, Sergio Díaz-Fernández, Iris Romero, Irma Casas, Kevin Strecker, Rosemarie Preyer, Antoni Rosell, Irene Latorre, Jose Domínguez

Effect of vaccination status in outcomes of mexican patients hospitalized with severe COVID-19 during the omicron wave: a single-center experience

Arturo Cortes-Telles (Merida (Yucatan), Mexico), Victor Aaron Álvarez-Sánchez, M. Alejandra Salcedo-Parra, Gustavo Bonnabel-Becerra

Comparative Analysis of COVID-19 Vaccination Coverage in the Hungarian Population and COPD Patients.

Janos Tamas Varga (Budapest, Hungary), Monika Fekete, Alpar Horvath, Balazs Santa, Gabor Tomisa, Gergo Szollosi

Seroprevalence of SARS-CoV-2 specific IgG antibodies in rural population of Western Maharashtra, India

Dhiraj Agarwal (Pune (Maharashtra), India), Rutuja Patil, Sudipto Roy, Harshpreet Kaur, Sanjay Mehendale, Ashish Bavdekar, Harish Nair, Sanjay Juvekar, Girish Dayma

SARS-CoV-2 viral persistence and clinical relapse in immunocompromised patients

Francesca Simioli (Napoli (NA), Italy), Anna Annunziata, Antonietta Coppola, Angela Irene Mirizzi, Antonella Marotta, Pasquale Imitazione, Giuseppe Fiorentino

Immunosuppressed COVID-19 patients: experience from a tertiary Chest hospital in Athens, Greece

Iris-Theodora Vlachantoni (Athens, Greece), Anastasia Levounets, Romina Chatzipetrou, Andrea Kyriacou, Eirini Skontzou, Lamprini Vlassi, Chrysa Kontogianni, Konstantinos Samitas, Zafeiris Sardelis, Evangelos Markozannes, Theoplasti Grigoratou, Eleftherios Zervas, Lykourgos Kolilekas

Investigation of antibody levels during three doses of Sinopharm/BBIBP vaccine inoculation

Baoqing Sun (Guangzhou (Guangdong), China)

Sequelae after severe Covid-19 infection at 6 months of follow-up according to previous vaccination status.

Laura Alcarraz Vázquez (Zaragoza (Zaragoza), Spain), Iván D. Benítez, María Aguilà, Sally Santistevé, Aida Monge, Clara Gort-Paniello, David De Gonzalo-Calvo, Ferran Barbé, Jessica González

PROphylaxis for vulnerable paTiEnts at risk of COVID-19 infecTion (PROTECT-V) – Sotrovimab arm

Louise Crowley (Birmingham (England), United Kingdom), Michael Chen-Xu, Francis Dowling, Wendi Qian, Raksha Adhikari, Diane Griffiths, Emma Bruce, Jennifer Han, Rona Smith, Davinder Dosanjh

Influence of vaccination status on the course of hospitalization in elderly COVID-19 patients: Single center experience of a tertiary COVID-19-hospital.

Markus Hofer (Zürich, Switzerland), Wyss Seraina, Reutemann Luzia, Bansal Vineeta

Nodal analysis determined nasal mucosal-associated mediators were associated with accelerated clinical recovery from SARS-CoV-2 infection

Steven Cass (London, United Kingdom), Jonathan Baker, Christine Mwasuku, Sanjay Ramakrishnan, Mahdi Mahdi, Peter Barnes, Louise Donnelly, Richard Russell, Dan Nicolau Jr., Rocio Martinez-Nunez, Mona Bafadhel

Comparison Of serum Anti-Spike (S) IgG Covid-19 Antibody between Breakthrough Infection And recent COVID-19 Infections in unvaccinated

Sajal De (Raipur, India), Dibakar Sahu, Diksha Mahilang, Anudita Bhargava

Differences in immunological profiles between vaccinated and recovered COVID-19 patients.

Shira Cohen Rubin (Beer Sheva, Israel), Natalya Bilenko, Ophir Freund, Anna Breslavsky, Tal Moshe Perluk, Rotem Givoli-Vilensky, Ori Wand, Nadav Zacks, Amir Bar-Shai

Variable outcomes from infection by different SARS-CoV-2 variants among vaccinated maintenance hemodialysis patients

Ori Wand (Kfar Sava, Israel), Idan Drori, Yael Einbinder, Naomi Nacasch, Sydney Benchetrit, Anna Breslavsky, Keren Cohen-Hagai

Successful Use of Monoclonal and Antiviral Therapy in Immunocompromised Patients With Persistent and/or Relapsing COVID-19

Leonardo Gori (Florence, Italy), Michele Spinicci, Lucia Graziani, Paola Parronchi, Alessandro Bartoloni, Diletta Cozzi, Edoardo Cavigli, Gianmaria Rossolini, Elisabetta Rosi, Federico Lavorini, Valentina Luzzi, Leonardo Giuntoli, Camilla Comin, Luca Ciani, Sara Tomassetti

The role of immunosuppressive therapy in post-COVID-19 interstitial lung disease

Sule Gül (Istanbul, Turkey), Baris Demirkol, Ramazan Eren, Kursad Nuri Baydili, Burcu Babaoğlu Elkhathroushi, Mustafa Çörtük, Erdoğan Çetinkaya

Severe COVID19 pneumonia management in patients receiving Rituximab in a pragmatic clinical setting.

Elli Keramida (Athens, Greece), Georgia Hardavella, Maria Salomidou, Irma Bracka, Thodoris Daskalos, Antonia Zachariou, Eleni Bellou, Fotis Kyriakou, Ioannis Karampinis, Panagiotis Demertzis, Despoina Zorpidou

Inhaled therapies in the treatment of respiratory symptoms and prevention of health resources use in patients with COVID-19.

Suzana Erico Tanni (Botucatu (SP), Brazil), Robson Prudente, Estefânia Franco, Fernando Wehrmeister, Carlos Breda Neto, Luana Pagan, Mariana Gatto, Letícia Vieira, Liana Coelho, Diane Batista, Luiz Machado, Gustavo Mota, Marina Gaiato, Felipe Santaella, Elisângela Campos, Lize Hosoune, Marina Okoshi

Real-world study on effectiveness of molnupiravir and nirmatrelvir-ritonavir in unvaccinated patients with chronic respiratory diseases with confirmed SARS-CoV-2 infection managed in out-patient setting

Wang Chun Kwok (Hong Kong, Hong Kong), Man Fung Tsoi, Sze Him Isaac Leung, Ching Ki Tsui, Terence Chi Chun Tam, James Chung Man Ho, David Chi Leung Lam, Mary Sau Man Ip, Pak Leung Ho

PS-11 in poster area**Session****12:30 - 14:00****Poster session: Chronic cough, bronchitis, and major chronic respiratory diseases****Disease(s) :** Airway diseases Thoracic oncology**Method(s) :** Public health Epidemiology General respiratory patient care Pulmonary function testing**Chairs :** Vanessa Garcia-Larsen (Baltimore, United States), Imran Satia (Hamilton, Canada)**Is refractory chronic cough a genetic disease?**

Laurent Guilleminault (Toulouse Cedex, France), Pauline Chazelas, Boris Melloni, Corinne Magdelaine, Thomas Villeneuve, Danielle Brouquières, Anne-Sophie Lia, Laurent Magy

A register-based study; Chronic Cough in the adult population in Sweden

Lotta Walz (Linköping, Sweden), Össur Emilsson, Kristoffer Illergård, Henrik Johansson

Comparison of differences in refractory and unexplained chronic cough patients in Germany: VICHAS study

Peter Kardos (Frankfurt am Main, Germany), Christina Jannowitz, Heinrich Worth, Martin Horack, Ulrich Köhler, Barbara Karmann, Adrian Gillissen

Heterogeneity in reporting respiratory symptoms: a global survey

Alexander Müller (Wien, Austria), Hazim Abozid, Emiel Wouters, Sylvia Hartl, Daisy Janssen, André Amaral

Heritability of cough across two generations: the RHINESSA study

Össur Ingi Emilsson (Uppsala, Sweden), Henrik Johansson, Ane Johannessen, Christer Janson, Andreas Palm, Karl Franklin, Anna Oudin, Francisco Gómez Real, Mathias Holm, Thorarinn Gislason, Rain Jögi, Vivi Schlünssen, Andrei Malinovschi, Cecilie Svanes, Magnus Ekström

The association between indoor airborne bacteria and allergic respiratory diseases – a Northern European study

Christine Cramer (Aarhus, Denmark), Hesham Amin, Christer Janson, Rain Jögi, Tejs Ehlers Klug, Henrik Albert Kolstad, Dan Norback, Torben Sigsgaard, Tina Šantl-Temkiv, Hulda Thorarinsdottir, Randi Jacobsen Bertelsen, Vivi Schlünssen

K-means cluster analysis of characteristic patterns of allergen in different age: real life study

Lei Zhao (Shanghai, China), Yong Ji, Jie Fang, Yingying Zhang, Xin Zhou, Junfeng Yin, Min Zhang, Wuping Bao

Maternal asthma and the role of stress, sensitisation, and lung function on pregnancy outcomes – a cohort study

Gustaf Rejnö (Bromma, Sweden), Cecilia Lundholm, Bronwyn Brew, Catarina Almqvist

Comorbidity between inflammatory bowel disease and asthma and allergic diseases - a genetically informed study

Tong Gong (Stockholm, Sweden), Bronwyn Brew, Cecilia Lundholm, Awad Smew, Arvid Harder, Ralf Kuja-Halkola, Jonas F Ludvigsson, Yi Lu, Catarina Almqvist

Prevalence of refractory and unexplained chronic cough patients in Germany: VICHAS study

Peter Kardos (Frankfurt am Main, Germany), Christina Jannowitz, Heinrich Worth, Martin Horack, Barbara Karmann, Adrian Gillissen

Outcomes in pregnant Ontarians with asthma and allergic diseases during COVID-19

Emilie Terebessy (Toronto (ON), Canada), Jingqin Zhu, Kimball Zhang, Cornelia M. Borkhoff, Andrea Gershon, Tetyana Kendzerska, Smita Pakhale, Nicholas T. Vozoris, Christopher Licskai, Teresa To

Blood basophils, nocturnal cough and asthma in the Constances cohort

Rachel Nadif (Villejuif, France), Joseph Henny, Tajidine Tsiavia, Celine Ribet, Marcel Goldberg, Marie Zins, Laurent Orsi, Nicolas Roche

Impact of chronic pain in adult-onset asthma

Sofia Winsa Lindmark (Luleå, Sweden), Caroline Stridsman, Linnea Hedman, Nikolai Stenfors, Tomi Myrberg, Anne Lindberg, Eva Rönmark, Helena Backman

Characteristics of severe asthma patients included in the French Palomb Cohort.

Nolwenn Jestin-Guyon (Bordeaux, France), El Hassane Ouaalaya, Annaig Ozier, Cécilia Nocent, Alain Bernady, Laurent Nguyen, Emilie Berteaud, Magali Dupuy-Grasset, Frédéric Le Guillou, Boris Melloni, Laurent Portel, Anne Prud'Homme, Alain Didier, Mathieu Molimard, Laurent Guilleminault, Chantal Raheison-Semjen

Adults with a history of severe childhood asthma compared to the background population: A registry-based study

Osman Savran (Hvidovre, Denmark), Charlotte Suppli Ulrik, Klaus Bønnelykke

Risk factors associated with symptoms of asthma in India

Nishtha Singh (Jaipur (Rajasthan), India), Sheetu Singh, Meenu Singh, Sundeep Salvi, Daya Krishan Mangal, Shally Awasthi, Padukudru Anand Mahesh, Sushil K. Kabra, Sabir Mohammed, Thevaruparambil U. Sukumaran, Alope G. Ghoshal, Monica Barne, Sanjeev Sinha, Sanjay K. Kochar, Udaiveer Singh, Kamallesh Kumar Patel, Arvind Kumar Sharma, Bhushan Girase, Anil Chauhan, Niranjana Sit, Jayaraj B. Siddaiah, Virendra Singh

Prevalence and Epidemiological Characteristics of Incidental Pulmonary Nodules in China: A Prospective Multicenter Trial of 10,560 Cases

Wenhua Liang (Guangzhou, China), Bo Wang, Jian Zhang, Dan Liu, Minhua Peng, Jianxing He, Jianbing Fan, Nanshan Zhong, - On Behalf Of The Nct 03651986 Trial Investigators

Estimation of RSV-attributable hospitalizations and deaths in Spain between 2015–2019

Mariana Haebler (ALCOBENDAS, Spain), Antoni Torres, Robin Bruyndonckx, Aleksandra Polkowska-Kramek, Charles Nuttens, Francesca Lemme, Thao Mai Phuong Tran, Caihua Liang, Cristina Mendez Diaz, Bradford Gessner, Elizabeth Begier

Clinical Characteristics of Non-Malignant Effusions: Results from the ERS International Collaborative Effusion (ICE) Database

Hugh Welch (Bristol, United Kingdom), J Kerkhoff, J Janssen, S Bielsa, C Civit, J Porcel, K Fjaellegaard, J Petersen, U Bodtger, E Grabczak, R Krenke, M Ellayah, D Addala, R Hallifax, J Wrightson, N Rahman, K Jackson, E Pellas, I Khan, M Chohan, A Aujayeb, G Labarca, I Dhaliwal, M Mitchell, A Rozman, M Marc-Malovrh, S Anevlavis, M Foudrakis, P White, R Bhatnagar, N Maskell

PS-17 in poster area

Session

12:30 - 14:00

Poster session: What is new in treatment of drug-susceptible tuberculosis, drug-resistant tuberculosis and tuberculosis infection?

Disease(s) : **Airway diseases**

Method(s) : Public health General respiratory patient care Cell and molecular biology Epidemiology Respiratory intensive care

Chairs : Chair to be confirmed

Effect of tuberculosis preventive treatment on household contacts of rifampin-resistant tuberculosis patients: A nationwide investigation

Kang-Mo Gu (Seoul, Republic of Korea), Sun-Young Jung, Jae-Eun Lee, Joo-Hyeon Eom, Kyungeun Lee, Yong-Joon Park, Yunhyung Kwon, Youmi Kim, Jae Chol Choi

The use of weekly rifapentine and isoniazid (3HP) for latent TB infection in Australia.
Vicky Chang (Sydney (NSW), Australia), Greg Fox

Relationship between PTLD and multidrug resistance to Tuberculosis

Angela Maria Giraldo Montoya (Pereira, Colombia), Giovanni Garcia Castro, Luisa Fernanda Sierra Garzon, Laura Sofia Garcia Giraldo

Efficacy and safety of 6-month and 4-month anti-tuberculosis regimens: A review of literature and meta-analysis
Stephanie Palacios (Iloilo, Philippines), Glenford Refre, Patricio Palmes, Ma. Cecilia Momville

Carbapenems and amoxicillin together with B-lactamase inhibitors for the treatment of Tuberculosis, a systematic review.

Carlijn Veldman (Zwolle, Netherlands), Simon Tiberi, Huib Kerstjens, Onno Akkerman

Characterization of tuberculosis drug resistance patterns in the early days of XDR-TB

André Filipe Santos Nunes (Ponta Delgada, Portugal), Sofia Fontão Alves, Luís Mateus, Maria Cavaco, Ricardo Cordeiro, Carina Rolo Silvestre, Joana Ferra, Daniel Duarte, Carla Cardoso, Aurora Bragança, Paula Raimundo, Natália André, António Domingos, Teresa Falcão

Side effects of 2nd line anti-tuberculous drugs: impact on compliance and therapeutic efficacy

Soumaya Ben Saad (Ariana, Tunisia), Issraa EL WHADHANE, Amani Ben Mansour, Azza Slim, Hafaoua Daghfous, Fatma Tritar

Molecular Characterization of Drug Resistant pattern of Mycobacterium tuberculosis

Sushma Yadav (Gwalior, India), Surya Kant, Amita Jain, Jyoti Bajpai

Adjunctive Corticosteroid Therapy for severe tuberculosis: Risk factors for poor outcomes?

Amani Ben Mansour (Tunisia, Tunisia), Jallouli Nour Lahbib, Slim Azza, Ben Saad Soumaya, Daghfous Hafaoua, Tritar Fatma

Study of Moxifloxacin and Silver Nanoparticle Composite Efficacy on pre-XDR Mycobacterium Tuberculosis Strains

Teona Avaliani (Tbilisi, Georgia), Nino Kiria, Giorgi Phichkhia, Nino Bablishvili, Nana Kiria

Linezolid-induced peripheral neuropathy in patients receiving MDR-TB treatment

Erik Skjellberg (London, United Kingdom), Rebekah Young, Akhilesh Sharma, Christabelle Chen, Simon Tiberi, Veronica White, Heinke Kunst

Outcome of Multi drug resistant(MDR)TB patients on Shorter MDR TB Regimen

Jyoti Bajpai (Lucknow (Uttar Pradesh), India), Darshan Kumar Bajaj, Sandeep Kumar, R A S Kushwaha, Surya Kant, Richa Tyagi, Ankit Kumar, Anand Srivastava, Rajiv Garg, Naveen Kumar

Isoniazid resistant tuberculosis(Hr-TB): a problem well stated is a problem half solved!

KETAN MALU (AURANGABAD, India), Avinash Lamb

A 15 year Retrospective Analysis of the Impact of Hearing Loss following IV Aminoglycoside use for Multi-Drug Resistant Tuberculosis

Ciara Ottewill (Dublin 4, Ireland), Tobias Maharaj, Maria Kane, Lorraine Dolan, Joseph Keane, Anne Marie McLaughlin

TREATMENT OUTCOMES OF EXTENSIVELY DRUG-RESISTANT TUBERCULOSIS (XDR-TB) IN MONGOLIA: RETROSPECTIVE STUDY

Bolyskhan Baigabyl (Ulnaanbaatar, Mongolia), Bolor Rash, Oyunchimeg Adilaa, Yanjindulam Purevsuren, Dorjderem Radnaa

Seventeen drugs, one sample: analyzing multiple anti-TB drugs simultaneously using one method

Mathieu S. Bolhuis (Groningen, Netherlands), Erwin M. Jongedijk, Onno W. Akkerman, Daan J. Touw, Marieke G.G. Sturkenboom

Release of potassium ions from leukocytes in patients with tuberculosis with toxic-allergic reactions to medicines

Galyna Gumeniuk (Kyiv, Ukraine), Yuliia Matvienko, Olena Rekalova, Viktoriia Zhadan, Oksana Panasniukova, Svitlana Yasir, Andriy Taranenko, Maryna Budyonna, Galina Gumeniuk

Features of the treatment outcome of patients with multidrug-resistant tuberculosis and Beijing lineage 2 of Mycobacterium tuberculosis in Kharkiv region, Ukraine

Dmytro Butov (Kharkiv, Ukraine), Tetiana Butova, Natalia Rudova, Nadiya Sapelnik, Olena Borysova, Oleksii Solodianskin

Dexamethasone Reduces Metabolic Function and Subsequent Activation of Human Macrophages to Mycobacterium Tuberculosis.

Lorraine Thong (Co. Cork, Ireland), Donal Cox, Joseph Keane

PS-4 in poster area

Session

12:30 - 14:00

Poster session: How to optimise non-invasive ventilation: how to initiate, what to monitor and how to adjust?

Disease(s) : Airway diseases Sleep and breathing disorders Respiratory critical care Pulmonary vascular diseases

Method(s) : General respiratory patient care Pulmonary function testing Respiratory intensive care Physiology

Chairs : Maxime Patout (Paris, France), Tim Raveling (Groningen, Netherlands)

Ventilation titration: different signals, different settings?

Anna Ridgers (Heidelberg, Australia), Warren Ruehland, Liam M Hannan, David J Berlowitz, Mark E Howard

Reliability of nocturnal transcutaneous capnography in a real-world scenario

Cristhian Correa (Madrid, Spain), Daniel Lopez Padilla, Stephany Briones Alvarado, Manuel Mor Martínez, Katuska Herminia Liendo Martínez, Elena Ojeda Castillejo, Ilaf Latif Essa, Francisco Jose Caballero Segura, Luis Puente Maestu, Soledad López Martín

Automatic detection of ineffective efforts (IE) in non-invasive ventilation (NIV)

Pablo Florez Solarana (Madrid, Spain), Cristina Lalmolda Puyol, Marta Corral-Blanco, Ana Hernández Voth, Concepción Montón Soler, Xavier Pomares Amigó, Javier Sayas Catalán, Manel Luján Torné

The forced oscillation technique is useful for evaluation of high-flow nasal cannula. Federation of National Public Service Personnel Mutual Aid Association

miyuki okuda (neyagawa, Japan)

Development of a Questionnaire for Therapy Adherence and Comfort in Non-invasive Ventilation: a simple Instrument for the Assessment of Patient-relevant Parameters

Doreen Kroppen (Köln, Germany), Maximilian Wollsching-, Daniel Majorski, Maximilian Zimmermann, Melanie Berger, Wolfram Windisch, Sarah Schwarz

Within- and between-day reliability of inspiratory responses to rapid bilateral magnetic phrenic nerve stimulation

Kyle Boyle (Zurich, Switzerland), Andrea Beglinger, Heinrich Häusler, Patrick Schön, Christina Spengler

Deventilation syndrome in COPD patients receiving non-invasive ventilation: A systematic scoping review

Maximilian Wollsching-Strobel (Köln, Germany), Karsten Stannek, Daniel Majorski, Friederike Magnet, Doreen Kroppen, Melanie Berger, Maximilian Zimmermann, Wolfram Windisch, Sarah Schwarz

The use of home-based nocturnal capnography and oxymetry in personalized long-term non-invasive ventilation in COPD patients

Line Storgaard (Aabybro, Denmark), Nicolas Siadous, Anne-Mette Meldgaard, Ulla M. Weinreich

Adaptation of non-invasive mechanical ventilation at home vs adaptation in hospital

Cristina Sánchez Fernández (Oropesa, Spain), Daniel Eduardo López Padilla, Virginia Gallo González, Katuska Herminia Liendo Martínez, Soledad López Martínez, Elena Ojeda Castillejo, Luis Puente Maestu, Teresa Gómez García

Outpatient initiation of non-invasive home ventilation. Two-year experience in a referral hospital. Real-life observational study.

Ane Lopez Gonzalez (Barcelona, Spain), Cristina Aljama Vizcarra, María Saéz López, Júlia Sampol, Miriam Barrecheguren, Mercedes Pallero, Nuria Rodés, Gabriel Sampol, Sergi Martí

The evaluation of home non-invasive ventilation with telemonitoring in stable hypercapnic COPD patients: A retrospective case-control study

Lok Yan Lee (Hong Kong, Hong Kong), Huilin Cheng, Alice Yuen Loke, Suk Fong Wai, Kah Lin Choo

Successful ongoing experience of outpatient/telemedicine NIV initiation and follow-up in ALS patients during and after COVID pandemic

Pierluigi Intiglietta (Bari (BA), Italy), Paola Pierucci, Gualtiero Romano, Marialuisa De Candia, Simone Rizzelli, Alberto Carrassi, Alessandro Pilon, Chiara Massaro, Giovanna Elisiana Carpagano

Implementation of an advanced clinical practitioner led NIV follow up service in a secondary care setting

Hannah Petty (Manchester, United Kingdom), Emma Gray, Nashad Mohiuddin, Thomas Bongers

Validation of the S3-NIV-questionnaire in Danish and symptom burden in COPD patients in long-term non-invasive ventilation treatment

Line Storgaard (Aabybro, Denmark), Nicolas Siadous, Anne-Mette Meldgaard, Ulla M. Weinreich

Effect of Non-Invasive Ventilation on FVC and diaphragm thickening fraction improvement in AE-COPD with hypercapnic acidosis and acute respiratory failure

Salvatore Longobardi (Milan, Italy), Sara Bombelli, Claudia D'Antoni, Fabrizio Nava, Sara Mariani, Michele Chiericozzi, Paolo Tarsia

Comparison of constant-minute-volume vs. constant-bolus systems for ambulatory long-term-oxygen therapy in patients with severe COPD – a randomized crossover trial

Daniel Majorski (Cologne, Germany), Saba Khan, Sarah Schwarz, Maximilian Wollsching-Strobel, Doreen Kroppen, Tim Mathes, Friederike Magnet, Wolfram Windisch

PS-3 in poster area**Session****12:30 - 14:00****Poster session: Exercise capacity in respiratory diseases****Disease(s) :** Airway diseases Interstitial lung diseases Pulmonary vascular diseases Respiratory critical care Thoracic oncology Sleep and breathing disorders**Method(s) :** General respiratory patient care Physiology Pulmonary rehabilitation Surgery Pulmonary function testing Public health Respiratory intensive care**Chairs :** Christina M. Spengler (Zürich, Switzerland)**Unraveling fatigue in fibrotic interstitial lung disease: perceived and performance mechanisms**

Mathieu Marillier (Echirolles, France), Mathieu Gruet, Anne-Catherine Bernard, Samuel Vergès, Onofre Moran-Mendoza, J. Alberto Neder

Description of breathing pattern disorder using sample entropy index in post-COVID19 dyspnoea

Ivan Guerreiro (Geneva, Switzerland), Aurélien Bringard, Pascal Weber, Viva Leverington, Anna Taboni, Frédéric Lador

Importance of Cardiopulmonary Exercise Testing to differ Long COVID-19 Symptoms in Adults considering gender

Guilherme Areas (Amazonas, Brazil), Cassia Luz Goulart, Guilherme Dionir Back, Fernanda Facioli Dos Reis Borges, Jefferson D. Silva-Valente, Camila Sato Barros Do Amaral, Edival Ferreira De Oliveira Júnior, Eduardo Fernandes Da Silva Junior, Thaís Jordão Perez Sant'Anna Motta, Audrey Borghi-Silva, Fernando Val

Identical breath-by-breath and mixing-chamber gas exchange values of cardio-pulmonary exercise test systems by metabolic simulator

Herman Groepenhoff (Lijnden, Netherlands), Janmarten Burg Van Den, Joachim Schwertberger, Tjeu Souren

Association between the first ventilatory threshold and the lean mass

Vitalie Faoro (Brussels, Belgium), Corentin Scoubeau, Alexis Gillet, Olivier Taton, Marine Carpentier, Julie Carpentier, Malgorzata Klass

Minute ventilation and heart rate relationship: a simplified approach for cardiopulmonary exercise testing.

Matteo Morviducci (Roma, Italy), Flavio Marco Mirabelli, Luigi Panza, Daniel Piamonti, Roberto Flore, Giulia Lo Muzio, Altea Lecci, Dario Angelone, Paolo Palange

Ventilation rate and bronchial response in diagnosis of exercise-induced bronchospasm in asthmatic

Debora Carneiro de Mendonca (Vitória de Santo Antão, Brazil), Glívia Maria Barros Delmondes, Bruno Rafael Vieira Souza Silva, Laienne Carla Barbosa De Barros Albuquerque, José Ângelo Rizzo, Claudio Gonçalves De Albuquerque, Steve Hunter, Nadia Gaua, Edil Albuquerque Rodrigues Filho, Decio Medeiros, Emilia Chagas Costa, Marcos André De Moura Santos, Marco Aurélio De Valois Correia Júnior

Proportional Tidal Volume Variation during cardio-pulmonary exercise testing to diagnose Dysfunctional Breathing in Patients with Exertional Dyspnoea

Florent Baty (St. Gallen, Switzerland), Georg Knöpfel, Friedrich Uhl, Lukas Kern, Martin Brutsche

Exercise capacity in myalgic encephalomyelitis/chronic fatigue syndrome (ME/CFS) treated with long-term pyridostigmine

Sarrah Al-Zayer (Boston, United States), Johanna Squires, David Systrom

Validation of a new modified 6-minute walk test (6MWT)

Winfried Baden (Tübingen, Germany), Richard Spallek, Ludger Sieverding

Comparison of the 6-minute walk test (6MWT) with submaximal cardiopulmonary exercise testing (CPET) in patients diseased with transthyretin amyloidosis with cardiomyopathy (ATTR-CM)

Robin Willixhofer (Vienna, Austria), Dadjar Immanuel Hostermann, Farideh Alasti, David Niederseer, Roza Badr-Eslam

The mBorg/6MWD ratio – a method to assess exertional breathlessness and leg fatigue using the 6-minute walk test: the CanCOLD study

Magnus Ekström (Lund, Sweden), Pei Zhi Li, Hayley Lewthwaite, Jean Bourbeau, Wan Tan, Dennis Jensen

6MWT performance of COPD exacerbators

Zlatina Ivanova (Pleven, Bulgaria), Nikolay Kyuchukov, Yavor Ivanov

Assessment of physical performance (PP) in patients with wild-type Transthyretin Amyloid Cardiomyopathy (ATTR-CM) evaluated by cardiopulmonary exercise testing (CPET) – a long-term follow-up study

Robin Willixhofer (Vienna, Austria), Rene Rettl, Christina Kronberger, Franz Duca, Christina Binder, Andreas Kammerlander, Johannes Kastner, Jutta Bergler-Klein, Roza Badr-Eslam

HR/V'O₂ and HR/V'CO₂ slope: new tools for CPET evaluation?

Flavio Marco Mirabelli (Roma, Italy), Matteo Morviducci, Luigi Panza, Daniel Piamonti, Roberto Flore, Giulia Lo Muzio, Altea Lecci, Dario Angelone, Paolo Palange

Re-evaluating the optimal threshold for the VE/VCO₂-slope in risk stratification before lung cancer surgery

Karolina Kristenson (Linköping, Sweden), Johan Hylander, Miklos Boros, Anna Fyrenius, Kristofer Hedman

Altered ventilation efficiency at exercise after recovery from COVID-19 infection versus healthy controls

Emilie Maufroy (Bruxelles, Belgium), Corentin Scoubeau, Kevin Forton, Manon Bellaches, Cyril Tordeur, Vitalie Faoro, Gael Deboeck

Severity and phenotypes of dyspnea in asthma: impact of comorbidities

Cécile Chenivresse (Lille Cedex, France), Awa Bousso, Celine Chuffart, Maxime Leroy, Alice Gicquello, Aurelie Cottreau, Florence Hennegrave, Antoine Beurnier, Thomas Stoup, Sophie Pereira, Capucine Morelot-Panzini, Camille Taille, Nathalie Bautin, Stephanie Fry, Thierry Perez, Gilles Garcia

Assessment of a novel 15 Watt/minute incremental ramp treadmill protocol for cardio-pulmonary exercise testing in Indian population.

Abhijith K Anil (New Delhi, India), Kumar Nischay Jaiswal, Geetanjali Bade, Anjana Talwar

Late Breaking Abstract - Phenotyping dynamic and "static" lung volumes in COPD: implications for exertional dyspnoea and exercise tolerance

J. Alberto Neder (Kingston (ON), Canada), Danilo C. Berton, Franciele Plachi, Cecilia Rodenbusch, Devin Phillips, Reggie Smyth, Matthew James, Sophie Crinion, Juan Pablo De-Torres, Denis E. O'Donnell

PS-20 in poster area

Session

12:30 - 14:00

Poster session: Interventional bronchoscopy: exciting times and developments ahead**Disease(s) :** Thoracic oncology Airway diseases Interstitial lung diseases Respiratory critical care**Method(s) :** Endoscopy and interventional pulmonology Imaging Cell and molecular biology**Chairs :** Mohammed Munavvar (Preston (Lancashire), United Kingdom), Sara Tomassetti (Florence, Italy)**Impact of endobronchial valve treatment on lung function decline**

Jorine E. Hartman (Groningen, Netherlands), Karin Klooster, T. David Koster, Orestes A. Carpij, Marlies Van Dijk, Dirk-Jan Slebos

Bronchoscopic lung volume reduction with endobronchial valves improves respiratory muscles function in patients with severe emphysema

Aurélien Brindel (Thionville, France), Romane Fumat, Marion Dupuis, Romain Barthes, Florent Favard, Yannick Simonneau, Matthieu Dusselier, Valentin Héluain, Gavin Plat, Thomas Egenod, Nicolas Guibert

Metered Cryospray improves patient-reported outcome measures at 6-months post-crossover treatment, in patients with COPD with chronic bronchitis

Christopher M Orton (London, United Kingdom), James Tonkin, Ley Chan, Anand Tana, Francesca Conway, Bavithra Vijayakumar, Laura Avanzi, Jorine Hartman, Karin Klooster, John Thornton, Jan Lukas Robertus, Dirk-Jan Slebos, Pankaj Bhavsar, Pallav L Shah

The impact of emphysema heterogeneity on treatment response after endobronchial valve treatment

Sharyn A. Roodenburg (Groningen, Netherlands), Karin Klooster, Dirk-Jan Slebos, Jorine E. Hartman

Insights in biofilm infections on endobronchial valves in COPD patients after endoscopic lung volume reduction

Eva Pappe (Berlin, Germany), Ralf-Harto Hübner, Laura Kursawe, Kurosh Sarbandi, Jacopo Saccomanno, Martin Witzernath, Alexandra Wiessner, Annette Moter, Judith Kikhney

Endobronchial valve (EBV) insertion for emphysema quickly improves sarcopenia

Julia Rubenstein (Talence, France), Ilyes Benlala, Anne-Claire Toublanc, Marina Guecamburu, Claire Bon, Charlotte Vergnenegre, Arnaud Maurac, Leo Grassion, Pauline Henrot, Maeva Zysman

Bronchoscopic lung volume reduction with a next generation coil.

Kathleen Jahn (Basel, Switzerland), Christoph Steven, Daiana Stolz, Michael Tamm

Combination of endobronchial and intrabronchial valves for endoscopic therapy of advanced emphysema

Konstantina Kontogianni (Heidelberg, Germany), Ann- Sophie Unterschemmann, Franziska Trudzinski, Judith Brock, Daniela Gompelmann, Felix Jf Herth, Ralf Eberhard

Endobronchial valve implantation for major hemoptysis.

Kathleen Jahn (Basel, Switzerland), Daiana Stolz, Michael Tamm

Lobar deflation predicts FEV1 following valve therapy in patients with severe emphysema

Daniela Gompelmann (Vienna, Austria), Stefanie Schuler, Matthias Rötting, Ines Richter, Markus Polke, Nilab Polke, Ralf Eberhardt, Claus Peter Heussel, Felix Herth

PERSISTENT AIRLEAK TREATED WITH ENDOBRONCHIAL VALVES, A TERTIARY HOSPITAL EXPERIENCE.

Cristina Sánchez Fernández (Oropesa, Spain), Katuska Herminia Liendo Martínez, Christian Reynaldo Castro Riera, Paola Antonella Benedetti, José Javier García López, Luis Puente Maestu

ROLE OF CRYOBIOPSY IN THE INTERSTITIAL LUNG DISEASE DIAGNOSTIC ALGORITHM

Alejandro Golfe Bonmatí (Valencia, Spain), Marina Alcaraz Barcelona, Wanda Almonte Batista, Javier Cruz Ruiz, Concepción Patricia López Miguel, Jesús Jiménez López, Raúl Godoy Mayoral, Álvaro Hurtado Fuentes, Rafaela Sánchez-Simón Talero, Ana Núñez Ares

The influence of the interventionalist's gender on the outcome and complications of transbronchial lung cryobiopsy

Franziska Trudzenski (Heidelberg, Germany), Christos Athanasiou, Ralf Eberhardt, Julia D. Michels, Julia Carmen Schäfer, Mavi Schellenberg, Monika Eichinger, Markus Polke, Felix J. F. Herth, Michael Kreuter, Judith Brock

Women in interventional pulmonology - results from a worldwide survey

Judith Brock (Heidelberg, Germany), Sonja Zehetmayer, Daniela Gompelmann

Evaluation of safety of Trans-Bronchial Cryo-Biopsy in patients with pulmonary hypertension: A prospective single center study

David Shitrit (Kfar Saba, Israel), Hadas Gilboa, Ayal Romem

Impact of ultrathin cryoprobe on conventional radial EBUS guided transbronchial cryobiopsy of lung nodules

Sze Shyang Kho (Kuching (Sarawak), Malaysia), Chan Sin Chai, Nga Hung Ngu, Rong Lih Ho, Mei Ching Yong, Siew Kim Chan, Adam Malik Ismail, Siew Teck Tie

Safety and cost-effectiveness of transbronchial lung cryobiopsy with or without a pre-placed balloon in diagnosing interstitial lung disease

Gang Hou (Beijing, China), Yiding Bian, Mingming Deng

Healthy volunteer symptom profile following research bronchoscopy

Hazel Morrison (Bridgwater (Somerset), United Kingdom), Susan Jackson, Julia Marshall, Celia Mitton, Raquel Lopez Ramon, Timothy Fredsgaard-Jones, Andrew Mawer, Clare Wilkins, Henry Bettinson, Timothy Hinks, Helen Mcshane

Shape Sensing Robotic-Assisted Bronchoscopy for Diagnosis of Ground-Glass and Subsolid Pulmonary Nodules

Nikitha C. Chandra (Jacksonville, United States), David Abia-Trujillo, Alejandra Yu Lee-Mateus, Anoop Koratala, Sina Neshat, Neal M. Patel, Katherine L. Walsh, Ryan M. Chadha, Sebastian Fernandez-Bussy

Diagnostic yield of bronchoalveolar lavage in the investigation of lung cancer

Laetitia Amar (Montreal, Canada), Ping Shi Zhu

PS-5 in poster area**Session****12:30 - 14:00****Poster session: Increasing understanding of host-microbe interactions in lung diseases****Disease(s) :** Airway diseases Respiratory critical care Interstitial lung diseases**Method(s) :** Cell and molecular biology Physiology Epidemiology Respiratory intensive care**Chairs :** Sara Rolandsson Enes (Lund, Sweden)**The effect of Porphyromonas gingivalis on inflammatory pathology in normal or COPD airway**

Noriki Takahashi (Kumamoto, Japan), Toru Kariu, Megumi Hayashi, Tomoki Kishimoto, Choyo Ogasawara, Ayami Fukuyama, Keisuke Kawano, Mary Ann Suico, Hirofumi Kai, Tsuyoshi Shuto

Effects of hypercapnia on alveolar epithelial cells and macrophages infected with pneumonia-causing bacteria

Elena Campaña-Duel (Sabadell, Spain), Luis Morales-Quinteros, Adrian Ceccato, Aina Areny-Balagueró, Pamela Conde, Lluís Blanch, Laia Fernández, Antonio Artigas, Marta Camprubí-Rimblas

Prone position ventilation decreased the susceptibility to murine Pseudomonas aeruginosa pneumonia

Jingjing Li (Cambridge, United Kingdom), Matthias Felten, Chunjiang Tan, Sebastian Ferencik, Theresa Firsching, Achim Gruber, Martin Witzernath

Virlaza™ Inhibits SARS-CoV-2-induced Inflammatory Response of Bronchial Epithelial Cells and Pulmonary Fibroblasts

Rodolfo De Paula Vieira (Anápolis, Brazil), Maysa Alves Rodrigues Brandao-Rangel, Dobroslav Melamed, Anamei Silva-Reis, Lucas Dos Santos Zamarioli, Sergei Urusov, Tatyana Mostepan, Evgenya Kravchenko, Carlos Rocha Oliveira, Rubens Santos-Silva, Razi Ronen

Epithelial recovery post COVID-19

Bavithra Vijayakumar (London, United Kingdom), James Tonkin, Christopher M Orton, Justin L Garner, David J S Smith, Richard J Hewitt, Philip L Molyneaux, James A Harker, Pallav L Shah, Clare M Lloyd

LPS treatment enhances the immunomodulatory effect of mesenchymal stromal cells-derived extracellular vesicles

Aina Areny Balagueró (Sabadell, Spain), Marta Camprubí-Rimblas, Elena Campaña-Duel, Adrián Ceccato, Daniel Closa, Antonio Artigas

Expression levels of receptors for avian-type flu and SARS-CoV-2 are reciprocally correlated with differentiation in primary human bronchial epithelial cells

Misako Nakayama (Otsu, Japan), Yuri Morikawa, Takako Sasamura, Jun Terai, Thanh Cong Nguyen, Yasushi Itoh

LSC - 2023 - Activated -inflammatory states of airway cells in Long COVID

Nadia Baalbaki (Bennekom, Netherlands), Merel Cornelissen, Cornelis Van Drunen, Laura Houweling, Lieke Noij, Marco Van De Werken, Golebski Korneliusz, Anke-Hilse Maitland-Van Der Zee

Relative abundance of Haemophilus as a component of the respiratory microbiome is not associated with airway epithelial MUC5AC staining

Sarah Diver (Nottingham, United Kingdom), Kairobi Haldar, Latifa Khalfaoui, Fiona Symon, Simon Couillard, Beverley Hargadon, Rekha Chaudhuri, Steve Bicknell, Adel Mansur, Rahul Shrimanker, Timothy Hinks, Ian Pavord, Stephen Fowler, Vanessa Brown, Lorcan Mcgarvey, Liam Heaney, Cary Austin, Peter Howarth, Joseph Arron, David Choy, Peter Bradding
On Behalf Of The Investigators For The Uk Mrc Refractory Asthma Stratification Program (rasp-Uk)

Post-biotics preferentially induce human macrophages M1 polarization: a valuable effect to balance allergic immune responses and to control infections

Elisabetta Pace (Palermo (PA), Italy), Serena Di Vincenzo, Maria Ferraro, Simona Taverna, Velia Malizia, Marco Buscetta, Chiara Cipollina, Valentina Lazzara, Paola Pinto, Marco Bassano, Stefania La Grutta

Cellular stress and senescence in alpha-1 antitrypsin deficiency: therapeutic opportunities

Mark Murphy (Dublin, Ireland), Lasya Kanchi, Malcolm Herron, Tomás Carroll, Gerry McElvaney

Modification of azithromycin to counter its arrest of autophagy

Eugenio Roscioli (Adelaide (SA), Australia), Anton Blencowe, Susan E Lester, Matthew M Miller, Vesna Munic Kos, Benjamin T Kopp, Hubertus P A Jersmann, Paul N Reynolds

Effects of patient serum containing different profiles and magnitudes of inflammatory markers on human microvascular lung endothelial and bronchial epithelial cells

Kokilavani Sivaraman (Hannover, Germany), Julia Held, Thomas Illig, Sonja Volland, Tobias Welte, Sabine Wrenger, Sabina Janciauskiene

In vivo inflammation resolving effect of EP395

Yanira Riffo-Vasquez (London, United Kingdom), Michael J. Parnham, Clive Page, Jennifer A. Krickler

Eosinophilia and the microbiome in COPD

Gunnar Reksten Husebø (Fana, Norway), Rune Nielsen, Kristel Knudsen, Andreu Paytuví-Gallart, Walter Sanseverino, Tomas Eagan

Counter-Regulation of the proteasome activator PA200 and the immunoproteasome in lung Fibroblasts—Implications for anti-viral immune responses in IPF

Fatme Mourtada (Borstel, Germany), Vanessa Welk, Johannes Nowak, Angelique Sanchez Dafun, Dušan Zivković, Julien Marcoux, Marie-Pierre Bousquet, Juergen Behr, Silke Meiners

Biomass particles activate IKB-α, P-38 and ERK pathways in human macrophages.

Peter Fenwick (London, United Kingdom), Rebecca Holloway, Sundeep Salvi, Peter Barnes, Louise Donnelly

Cigarette smoke impact on human macrophage cell death and inflammation: role of caspase-8, -3/7 and Gasdermin E

Marta Cristaldi (Palermo, Italy), Marco Buscetta, Maura Cimino, Agnese La Mensa, Fabio Bucchieri, Francesca Rappa, Pia Ferrigno, Giovanna Lo Iacono, Giorgia Tancredi, Santina Amato, Tommaso Silvano Aronica, Elisabetta Pace, Alessandro Bertani, Chiara Cipollina

Cigarette smoke exposure promotes tumorigenesis via G-quadruplex destabilization in a vitro model of macrophages

Davida Mirra (Caserta, Italy), Giuseppe Spaziano, Renata Esposito, Francesca Panico, Salvatore Di Maro, Erica Salvati, Erika Cione, Luca Gallelli, Sandro Cosconati, Bruno D'Agostino

Cigarette smoke activates the pro-inflammatory axis caspase-8/caspase-3/7/GSDME in human lung fibroblasts
Agnese La Mensa (Caltanissetta, Italy), Marco Buscetta, Marta Cristaldi, Maura Cimino, Paola Dino, Maria Rita Giuffrè,
Fabio Bucchieri, Chiara Cipollina

PS-7 in poster area**Session****12:30 - 14:00****Poster session: Biological treatments for asthma: novel real-life insights****Disease(s) :** Airway diseases**Method(s) :** Pulmonary function testing General respiratory patient care Epidemiology Public health Cell and molecular biology**Chairs :** Nicolas Roche (Paris, France), Simon Lea (Manchester (Greater Manchester), United Kingdom)**BIOLOGIC TREATMENT IN PERSISTENT SEVERE ASTHMA**

Eduarne Echevarría Guerrero (Barakaldo, Spain), Ana Gómez Larrauri, Jone Solorzano Egurbide, Imanol González Muñoz, Elena Garay Llorente, Teresa Bretos Dorronsoro, Silvia Pérez Fernández, Milagros Iriberri Pascual, Nuria Marina Malanda

Initiation, response assessment and switch of antibody therapies in patients with severe asthma – a survey among German specialists

Hendrik Suhling (Hannover, Germany), Carlo Mümmeler, Dirk Skowasch, Karl Bergmann, Roland Buhl, Eckard Hamelmann, Marko Idzko, Christian Taube, Stephanie Korn, Katrin Milger

Follow-up of patients with severe eosinophilic asthma receiving benralizumab for one year (gReek rEAL Life regIStry of benralizumab: REALISM Study)

Chrysoula Kontogianni (Athens, Greece), Konstantinos Samitas, Petros Bakakos, Nikoleta Rovina, Stelios Loukides, Andrianna Papaioannou, Nikolaos Tzanakis, Katerina Antoniou, Katerina Dimakou, Georgios Hillas, Sofia Koukidou, Aikaterini-Ioanna Sakellaropoulou, Konstantinos Katsoulis, Maria Kipourou, Niki Georgatou, Dimosthenis Papapetrou, Ourania Kotsiou, Nikolaos Zias, Evangelia Fouka, Konstantinos Porpodis, Maria Hatzimitrova, Despoina Papakosta, Paschalis Steiropoulos, Konstantinos Kostikas, Athena Gogali, Agapi Aggelopoulou, Konstantinos Tatsis, Ilias Papanikolaou, Eleftheria Chaini, Miltiadis Markatos, Stelios Vittorakis, Pantelis Avarlis, Eleni Gaki, Dimitrios Latsios, Eleni Tzortzaki, Eleftherios Zervas

Treating severe IgE mediated allergic adult asthmatics with omalizumab outside the dosing table

Etienne Ceci Bonello (Naxxar, Malta), Caroline Gouder

Agreement and discrepancies between past prescribing decisions and future prescribing preferences: An EU outlook

Samantha Valliant (Upper Providence, United States), Joshua Harvey, Shiyuan Zhang, Kelechi Emeanuru, Karina Brunini Pitta Palhares, Marine Andre, Rafael Alfonso-Cristancho

Biologic treatment patterns of severe asthma patients in the EU-4 and the UK

Samantha Valliant (Upper Providence, United States), Joshua Harvey, Shiyuan Zhang, Kelechi Emeanuru, Karina Brunini Pitta Palhares, Marine Andre, Rafael Alfonso-Cristancho

Real-world experience of biologics use and switching among adults with severe asthma at a tertiary care centre in United Arab Emirates

Yasser Alkassar (Abu Dhabi, United Arab Emirates), Aymen Abbas, Abeer Hassan, Emadullah Raidullah Raidullah, Rehab Al Maashari, Marwan Najib, Muhammad Tufail Tufail

Phenotypical distribution according to the age of asthma onset in patients evaluated for biologic therapy prescription in a referral center in Colombia

Abraham Ali Munive (Bogotá (Cundinamarca), Colombia), Yaicith Arevalo-Montenegro, Oscar Correa-Jimenez, Leidy Prada, Libardo Jimenez-Maldonado, Mauricio Duran, Juan Bedoya, Carlos A. Torres-Duque

An algorithm to identify patients with T2 diseases and Chronic Spontaneous Urticaria treated with biologics in outpatient care setting using a dynamic dispensing database

Jérémy Charriot (Montpellier Cedex 5, France), Vincent Descamps, Roger Jankowski, Milka Maravic, Arnaud Bourdin

The effect of biologicals on lung function, inflammation and asthma control in patients treated for severe eosinophilic or type-2 inflammatory asthma 4months after treatment initiation.

Peter Emil Folkersen (Århus C, Denmark), Johannes Schmid, Tina Skjold, Anne Sophie Bjerrum

The clinical experience of patients with severe asthma and previous treatment with omalizumab, choosing mepolizumab in Greece.

Maria Kallieri (Aspropyrgos, Greece), Andriana I. Papaioannou, Eleftherios Zervas, Evangelia Fouka, Konstantinos Porpodis, Marija Hadji Mitrova, Eleni Tzortzaki, Michael Makris, Maria Ntakoula, Panagiotis Lyberopoulos, Katerina Dimakou, Sofia Koukidou, Sevasti Ampelioti, Anastasia Papaporfyriou, Konstantinos Katsoulis, Maria Kipourou, Nikoleta Rovina, Katerina Antoniou, Stylianos Vittorakis, Petros Bakakos, Paschalis Steiropoulos, Katerina Markopoulou, Panteleimon Avarlis, Ilias C. Papanikolaou, Miltiadis Markatos, Eleni Gaki, Konstantinos Samitas, Konstantinos Glynos, Spyros A. Papiris, Despoina Papakosta, Nikolaos Tzanakis, Mina Gaga, Konstantinos Kostikas, Stelios Loukides

PERSISTENCE OF EOSINOPHILS IN BRONCHIAL MUCOSA BIOPSIES IN PATIENTS TREATED WITH DUPILUMAB FOR 6 MONTHS

Francesco Bini (Pavia (PV), Italy), Bruno Dino Bodini, Andrea Cristiano, Adriano Vaghi

Eosinophils sub-types in patients with severe asthma treated with monoclonal antibodies.

Alejandra Sánchez-Santos (Las Palmas de Gran Canaria, Spain), Carlos Cabrera-López, Angelina Lemes-Catellano, Sara Cazorla-Rivero, Enrique González-Dávila, Bartolomé Celli, Ciro Casanova-Macario

Long-term safety and efficacy of tezepelumab in adolescents with severe, uncontrolled asthma

Guy Brusselle (Ghent, Belgium), Bill Cook, Kaitlyn Lawson, Sandhia Ponnarambil, Andrew Lindsley, Daiana Stolz

Inhaled corticosteroid dose reduction with tezepelumab in patients with severe, uncontrolled asthma over 2 years

Daiana Stolz (Freiburg, Germany), Njira Lugogo, Kaitlyn Lawson, Scott Caveney, Gene Colice, Bill Cook

On-treatment clinical remission with tezepelumab in patients with severe, uncontrolled asthma in the phase 3 DESTINATION study

Michael E. Wechsler (Denver, United States), Guy Brusselle, J Christian Virchow, Liam G Heaney, Gillian Hunter, Sandhia Ponnarambil, Neil Martin, Jean-Pierre Llanos, Celeste Porsbjerg, Christopher E Brightling

Success of an oral corticosteroid withdrawal pathway for severe asthma patients on biologics

Richard Russell (Leicester, United Kingdom), Claire Boddy, Mark Bell, Eleanor Hampson, Lauren Parnell, Shamsa Naveed, Karim Meeran, Salman Siddiqui, Peter Bradding

Successful steroid weaning in a severe asthma centre does not always require biologics

Hitasha Rupani (Southampton, United Kingdom), Emma Graham, Chellan Eames, Ciara Whitfield, Sumita Kerley, Eleanor Rayala-Montaniel, Peter Cook, Hans Michael Haitchi, Ramesh Kurukulaarachy, Paddy Dennison, Nadia Zarif

Effectiveness and economic impact of Dupilumab in asthma: a population-based cohort study

Pietro Curci (Monza, Italy), Paola Faverio, Raffaella Ronco, Matteo Monzio Compagnoni, Matteo Franchi, Giovanni Franco, Giulia Bonaiti, Martina Bonifazi, Federico Mei, Fabrizio Luppi, Giovanni Corrao

Asthma control in severe asthma patients treated with tezepelumab: A prospective, observational, real-world evidence study in Europe and Canada (ASCENT)

Katrin Milger-Kneidinger (Munich, Germany), Del Dorscheid, Christian Gessner, Fredrik Sundbom, Daiana Stolz, Hannah Urbanski, Tham Le, Benjamin Emmanuel, Trung Tran, Deborah Clarke, Jean-Pierre Llanos, Nicole Clarke, Tim Ruckh, Sheena Kayaniyil, Neil Martin, Neda Stjepanovic, Celeste Porsbjerg

PS-13 in poster area**Session****12:30 - 14:00****Poster session: Non-cystic fibrosis bronchiectasis and other chronic lung infections in children****Disease(s) :** Airway diseases Interstitial lung diseases**Method(s) :** General respiratory patient care Imaging Pulmonary function testing Epidemiology Public health Cell and molecular biology**Chairs :** Stefan Unger (Edinburgh (Edinburgh), United Kingdom)**Is it time to change diagnostic criteria for paediatric bronchiectasis?**

Aisha Mir (Edinburgh, United Kingdom), Kirstin Unger, Alan Quigley, Stefan Unger

Paediatric non-CF bronchiectasis: a cross-sectional study

HELEANNE VAN KUIJK (Leicester, United Kingdom), Manisha Ramphul

International consensus statement on core outcomes for clinical trials in children and adolescents with bronchiectasis – Child-BEAR-net ERS CRC

Carolina Arez Constant (Lisboa, Portugal), Jeanette Boyd, Andrew Bush, Adam T Hill, Zena Powell, Angela Zacharasiewicz, Efthymia Alexopoulou, Andrew J Collaro, James D Chalmers, Kostas Douros, Rebecca Fortescue, Matthias Griese, Jonathan Grigg, Andreas Hector, Bulent Karadag, Oleksandr Mazulov, Fabio Midulla, Alexander Möller, Marijke Proesmans, Christine Wilson, Stephanie T Yerkovich, Keith Grimwood, Ahmad Kantar, Anne B Chang

Predictive factors of bad outcomes in pediatric bronchiectasis

Sabrine Louhaichi (Ariana, Tunisia), Besma Hamdi, Ella Nemsí, Tarek Cherif, Khoulood Chaibi, Jamel Ammar, Agnès Hamzaoui

Do distinct etiologies cause clinical differences in non-CF bronchiectasis in children?

Meltem Akgül erdal (ANKARA, Turkey), Halime Nayır Büyüksahin, İsmail Güzelkaş, Birce Sunman, Didem Alboğa, Hanife Avcı, Nagehan Emiralioglu, Ebru Yalçın, Deniz Doğru, Nural Kiper, Uğur Özçelik

Does timing of diagnosis effect outcome in primary ciliary dyskinesia?

Dvir Gatt (Toronto, Canada), Michelle Shaw, Fiona Krizinger, Melinda Solomon, Sharon Dell, Felix Ratjen

Nasal Mucociliary Clearance of 99mTc-albumin colloid: a quantitative test of nasal ciliary function and potential outcome parameter in primary ciliary dyskinesia

June Kehlet Marthin (Bagsvaerd, Denmark), Kim Gjerum Nielsen, Jann Mortensen

Use of Immunofluorescence Staining in Primary Ciliary Dyskinesia Diagnosis

Mine Kalyoncu (Istanbul, Turkey), Mürüvvet Yanaz, Aynur Gulieva, Merve Selçuk, Şeyda Karabulut, Neval Metin Çakar, Pinar Ergenekon, Rim Hjeij, Ela Erdem Eralp, Yasemin Gokdemir, Heymut Omran, Bulent Karadağ

Repeating ciliary videomicroscopy improves the specificity for PCD diagnosis

Lionel Benchimol (Liege, Belgium), Noemie Bricmont, Romane Bonhiver, Doriane Calmes, Anne-Lise Poirrier, Marie-Christine Seghayé, Renaud Louis, Philippe Lefebvre, Celine Kempeneers

Genomics of Haemophilus influenzae strains in a paediatric Primary Ciliary Dyskinesia cohort

Klara Schmidthaler (Vienna, Austria), René Gaupmann, Magda Diab-El Schahawi, Birgit Willinger, Zsolt Szépfalusi, Eleonora Dehlink

Disease manifestations in siblings with primary ciliary dyskinesia

Dvir Gatt (Toronto, Canada), Michelle Shaw, Fiona Kritzing, Melinda Solomon, Sharon Dell, Felix Ratjen

Patterns of E-cigarette Usage Among Adolescents with Primary Ciliary Dyskinesia and Cystic Fibrosis

Dvir Gatt (Toronto, Canada), Rahul Verma, Jacob McCoy, Lyzette Garcia Bonila, Andrew Zikic, Shaima Alkhouri, Rawan Alfouzan, Kate Gent, Jackie Chiang

Nurse led Education on e-cigarette use in adolescents.

Mira Osinibi (London, United Kingdom), Cara Bossley

A novel pediatric polycystic lung disease caused by CCR2 deficiency

Bruce Trapnell (Cincinnati, United States), Anna-Lena Neehus, Marija Landekic, Darawan Rinchai, Patricia Panikulam, Quentin Philippot, Tom Le Voyer, Masato Ogishi, Jérémie Rosain, Mana Momenilandi, Carlos Andrés Arango Franco, Marta Martín-Fernández, Taushif Khan, Jonathan Bohlen, Jeremy Manry, Ji Eun Han, Alexandre Deslys, Tania Gajardo-Carrasco, Camille Soudée, Melanie Migaud, Yoann Seeleuthner, Eirini Nikolouli, Simin Seyedpour, Hugues Begueret, Chantal Brouzes, Pablo Vargas, Nico Lachmann, Raphael Boire, Nico Marr, Dusan Bugonovic, Mohammadreza Modaresi, Larry Nogee, Daniel Craven, Iraj Mohamadzaheh, Nima Rezai, Mohammad Shahrooei, Stephanie Boisson-Dupuis, Fernando Sepulveda, Vivien Béziat, Nathalie Aladjidi, Laurent Abel, Philippe Gros, Danielle Malo, Lisa Young, Robin Deterding, Gail Deutsch, Brenna Carey, Jean-Laurent Casanova, Jacinta Bustamante

Multiple-breath washout for the detection of lung disease in patients with inborn errors of immunity

Leonie Marie Busack (Berlin, Germany), Stephanie Thee, Jobst Röhm, Renate Krüger, Marcus A. Mall, Horst Von Bernuth, Mirjam Stahl

Respiratory care burden in children with aspiration

Christopher Edwards (Leeds (West Yorkshire), United Kingdom), Jennifer Unwin, Ayesha Jannat, Liz Franklin

Evaluation of sputum cultures in children with spinal muscular atrophy

Hagit Levine (Even Yehuda, Israel), Yoram Nevo, Julia Katz, Huda Mussaffi, Gabriel Chodick, Meir Mei-Zahav, Stafler Patrick Stafler, Guy Steuer, Ophir Bar-On, Hadas Martin, Dario Prais, Sharon Aharoni

Effects of selumetinib treatment for neurofibromatosis type 1 on pulmonary function in children and young adults

Elettra Zuliani (Trieste, Italy), Sergio Ghirardo, Francesco Baldo, Irene Bruno, Andrea Magnolato, Egidio Barbi, Massimo Maschio

Late Breaking Abstract - Management of RRTIs in children with the Trained Immunity-based Vaccine MV130: A retrospective study

Laura Conejero Hall (Madrid, Spain), Karla Montalbán, Ana Cogollo, Patricia Girón De Velasco, Raquel Caballero, Miguel Casanovas, José Luis Subiza

Late Breaking Abstract - Bronchiolitis epidemiology and clinical features: a retrospective analysis

Luigi Matera (Rome, Italy), Raffaella Nenna, Enea Bonci, Antonella Frassanito, Laura Petrarca, Maria Giulia Conti, Greta Di Mattia, Enrica Mancino, Chiara Moriano, Fabio Midulla

PS-6 in poster area

Session

12:30 - 14:00

Poster session: Navigating the latest chronic obstructive pulmonary disease therapeutic trends

Disease(s) : Airway diseases

Method(s) : Epidemiology General respiratory patient care Public health Pulmonary function testing Physiology

Chairs : Carolina Gotera (Madrid, Spain), Gareth Hynes (Oxford (Oxfordshire), United Kingdom)

Step up to ICS/LAMA/LABA vs switch to LAMA/LABA in patients with COPD on ICS/LABA: post hoc analysis of KRONOS

Dave Singh (Manchester, United Kingdom), Mona Bafadhel, Karin Bowen, Niki Arya, Jonathan Marshall, Himanshu Parikh, Mehul Patel

Persistence to inhaled long-acting maintenance therapy in patients with COPD in UK routine clinical practice

Kieran J. Rothnie (London, United Kingdom), Robert P. Wood, Beade Numbere, Monica Seif, Gema Requena, Christina Diomatari, Emma C. Goodall, Stephen G. Noorduyn, Charley Cooper, Raj Sharma, Chris Compton, Afisi S. Ismaila

Heterogeneous treatment effect estimation of LABA/LAMA/ICS on COPD exacerbation risk in the IMPACT trial

Kenneth Verstraete (Leuven, Belgium), Iwein Gyselinck, Helene Huts, Maarten De Vos, Wim Janssens

Experience of clinicians on dual bronchodilator therapy in COPD (EXPAND) in Nepal

Sanjeet Krishna Shrestha (Lalitpur, Nepal), Sharad Bhattarai, Aniruddha Mukhopadhyay, Vaibhav Gaur, Jaideep Gogtay

Clinically important deterioration and COPD treatments: a pairwise meta-analysis

Gian Marco Manzetti (Marino, Italy), Luigino Calzetta, Mario Cazzola, Paola Rogliani

Methods to assess adherence to COPD medication in electronic healthcare databases: a systematic review

Delphine Vauterin (Ghent, Belgium), Frauke Van Vaerenbergh, Anna Vanoverschelde, Jennifer K Quint, Katia Verhamme, Lies Lahousse

Adherence to COPD treatment during the war: can we maintain the previously achieved results ?

Andrii Sidorov (Vinnitsa, Ukraine), Yuriy Mostovoy, Nataliia Slepchenko, Nataliia Tsymbaliuk

Adherence to COPD treatment and concomitant diseases: is there influence ?

Andrii Sidorov (Vinnitsa, Ukraine), Yuriy Mostovoy, Nataliia Slepchenko, Nataliia Tsymbaliuk

Tulobuterol Transdermal Patch as an add on therapy in Stable COPD

Rekha Parameswari (Kottayam (Kerala), India), Parakkal Sukumaran, Thomas Beena, R Radhika, M Midhun, P Rekha, K P Venugopal, Ninan Mathew

Inhaled triple therapy versus dual bronchodilation in smokers patients with COPD: a 3-year observational study

Angelo Petroianni (Roma (RM), Italy), Marco Bezzio, Silvia Magliulo, Manuel Santu, Paolo Palange

The national development in the use of inhaled corticosteroid treatment for chronic obstructive pulmonary disease in Denmark from 1995 to 2018

Allan Klitgaard (Vejle, Denmark), Rikke Ibsen, Ole Hilberg, Anders Løkke

Economic benefit of fluticasone furoate (FF)/umeclidinium (UMEC)/vilanterol (VI) by baseline blood eosinophil (EOS) count in COPD in the UK - The IMPACT trial

Afisi S Ismaila (Malvern, United States), Dhvani Shah, Alan Martin, Robyn Kendall, Stephen G Noorduyn, Priyadarsini Dasari, Nancy A Risebrough, Chris Compton

Does azithromycin modulate cardiovascular risk following acute pulmonary exacerbations of chronic obstructive pulmonary disease?

Freddy Frost (Liverpool, United Kingdom), Tomasso Bucci, Dennis Wat, Sarah Sibley, David Green, Gregory Lip

Safety and efficacy of home initiation of chronic non-invasive ventilation in patients with severe COPD and chronic hypercapnic respiratory failure.

Emma Parkes (Cardiff, United Kingdom), Eilish Yarham, Kirsty Eastwood, Michelle Davies, Stuart Packham

A meta-analysis on the importance of peak inspiratory flow variance in simplifying DPI prescribing for COPD patients

Monbi Stefanova Chakma (UPMINSTER, United Kingdom), Omar S Usmani, Liangfeng Han, Bryan Newman, Eslam Ibrahim, Darragh Murnane

Inhaler technique mastery in elderly COPD patients with cognitive impairment trained on different inhaler devices

Elsa Mazzarella (Florence, Italy), Letizia Dal Bosco, Guido Arena, Riccardo Soldaini, Amedeo Vannacci, Federico Lavorini

Extra-fine Particle Inhaled Corticosteroids Influence on the Risk of Hospitalization due to Pneumonia in Patients with Chronic Obstructive Pulmonary Disease - A Populations-Based Cohort Study

Christian Kjer Heerfordt (Hellerup, Denmark), Christian Rønn, Zitta Barrella Harboe, Pradeesh Sivepalan, Josefin Eklöf, Jens-Ulrik Stæhr Jensen

The Impact of Extrafine Beclometasone/Formoterol/Glycopyrronium on Sleep disturbance in Chronic Obstructive Pulmonary Disease (COPD) in an Italian Context of Real Life: The TRITRIAL Study.

Ulrica Scaffidi Argentina (PARMA, Italy), Luca Richeldi, Pietro Schino, Elena Bargagli, Alberto Ricci, Alberto Rocca, Francesca Marchesani, Alfio Pennisi, Gianna Camiciottoli, Mariella D'Amato, Francesco Macagno, Elena Garavelli, Eleonora Ingrassia, Alessio Piraino

Comparative efficacy of beclometasone/formoterol/glycopyrronium bromide (BEC/FOR/GLY) vs other combination triple therapies for the treatment of COPD. A network meta-analysis

Martina Orlovic (Parma, Italy), Alessandra Madoni, Dimitrios Tzelis, Anastasios Tassoulas, Theo Mantopoulos, Yogesh Punekar

Characteristics of COPD patients initiating budesonide/glycopyrronium/formoterol (BGF) and other triple therapy in Japan: a health-care claims-based real-world database study (MITOS program)

Koichiro Takahashi (Saga, Japan), Naoyuki Makita, Johann Castaneda, Ramzi Argoubi, Gregoire Nowacki, Seham Issa, Isao Matsumoto, Yuri Yoshida, Hana Mullerova

PS-18 in poster area

Session

12:30 - 14:00

Poster session: COVID-19 outcomes**Disease(s) :** Airway diseases Respiratory critical care Sleep and breathing disorders**Method(s) :** Epidemiology General respiratory patient care Public health Pulmonary function testing Respiratory intensive care Imaging Pulmonary rehabilitation Physiology**Chairs :** Arietta Spinou (London, United Kingdom), Tony De Soyza (Newcastle-upon-Tyne, United Kingdom)**Does pre-existing respiratory disease affect 3-month outcome following severe COVID: a matched prospective cohort across 4 waves**

Olivia Vandekerckhove (Sint-Pieters-Rode, Belgium), Eveline Claeys, Nele Steyaert, Walter De Wever, Wim Janssens, Lieven Dupont, Pascal Van Bleyenbergh, Greet Hermans, Natalie Lorent

Risk factors for secondary organizing pneumonia in patients with COVID-19 pneumonia

Alisa Aikwanich (Pathum-Thani, Thailand), Dararat Eksombatchai, Tananchai Petnak, Tanapat Tassaneyasin, Viboon Boonsarngsuk

Long-term outcomes of COVID-19 patients admitted to a tertiary care hospital in Peshawar, Pakistan.

Muhammad Imran (Peshawar, Pakistan), Azhar Uddin, Zafar Iqbal, Yousal Ali, Abdul Jalil Khan

12-Month follow-up study of patients after hospitalization for COVID-19

Ivan Rosas (Houston, United States), James A. Mckinnell, Reena Shah, Michael Waters, Bradley Hunter, Robert Jeanfreau, Alejandra Benitez, Larry Tsai, Margaret Neighbors, Ben Trzaskoma, Rita De Cassia Castro, Fang Cai

Applying machine learning algorithms to predict outcomes in hospitalized COVID-19 patients

Ahmed Dhia El Euch (Sfax, Tunisia), Soumaya Triki, Nour Kallel, Rahma Gargouri, Nesrin Kallel, Walid Feki, Imed Gargouri, Samy Kammoun

A close respiratory follow-up after acute COVID-19 – is it necessary?

Amir Bar-Shai (Tel-Aviv, Israel), Ophir Freund, Anna Breslavsky, Rotem Givoli-Vilensky, Evgeni Gershman, Avraham Unterman, Nadav Zacks, Ori Wand, Natalya Bilenko

Persistent symptoms, lung function and imaging abnormalities at 1-year follow-up for severe COVID-19

Arturo Cortes-Telles (Merida (Yucatan), Mexico), Luis Alberto Solís-Díaz, Heideger Norberto Mateos-Toledo, Esperanza Figueroa-Hurtado, Diana Lizbeth Ortiz Fariás, Yuri Noemí Pou-Aguilar, Saúl Vázquez-López

Association between pre-hospital inhaled corticosteroid use and COVID-19 outcomes

Marija Vukoja (Sremska Kamenica, Republic of Serbia), Aysun Tekin, Nereida Parada, Javaughn Gray, Alan Mallouhi, Tiana Roddy, Amos Lal, Yuanhao Zu, Joshua Denson

Pulmonary lung function and blood gas analysis in patients after severe Covid-19 pneumonia

Plamena Stoimenova (Plovdiv, Bulgaria), Stoilka Mandadzhieva, Blagoi Marinov

Secondary infectious complications of the airways in patients with post-COVID-19 syndrome

Galyna Gumeniuk (Kyiv, Ukraine), Mykola Gumeniuk, Viktoria Ignatieva, Maryna Polianska, Svitlana Opimakh, Mykola Lynnyk, Svitlana Moskalenko, Dmytro Butov

Tabacco smoking and post COVID-19 syndrome

Mariem Friha (Ariana, Tunisia), Hajer Racil, Mariem Chaabane, Sarra Maazaoui, Ameney Touil, Sonia Habibeche, Nawel Chaouch

Co-infection and secondary infection in critically ill Omicron variant COVID-19 patients in a university hospital

Yi-Ting Chen

Functional and radiological correlation of ICU survivors with severe COVID-19 at 1 year follow up from the OUTSTRIP COVID-19 prospective cohort study

Merlin Thomas (Doha, Qatar), Mousa Hussein, Mansoor Hameed, Jaweria Akram, Rajalekshmi Nair, Rajendra Kumar, Amal Rashid, Aisha Aladab, Saibu George, Mushtaq Ahmad, Maysa Abdelhafeez, Aalaa Kambal, Tasleem Raza

3-month clinical, functional and radiological outcomes of hospitalised COVID-19 patients in the first versus the second wave

Elise Peys (Antwerpen, Belgium), Yannick Vande Weygaerde, Cedric Bosteels, Bihiyga Salhi, Sven Verschraegen, Pieter Depuydt, Sandra Oeyen, Eric Derom, Heleen Demeyer, Eva Van Braeckel

Habits and predictors of poor sleep quality in post-Covid 19

Nouha Guediri (Tunis, Tunisia), Rania Kaddousi, Hadhemi Rejeb, Hela Kammoun, Iteb Ben Limem, Imen Ben Salah, Hanene Smadhi, Dorra Greb, Ines Akrou, Hela Hassen, Hager Benabdelghaffar, Leila El Fekhi, Mohamed Lamine Megdiche

Forty step desaturation test does not have prognostic value in COVID-19 due to omicron variant

Balamugesh Thangakunam (Vellore (Tamil Nadu), India), Devasahayam J Christopher, Barney Isaac, Rajasekar Sekar, Rathijit Pal, Hema Paul, Mathew Varghese, Abhilash Paul Prabhakar

Identification of long COVID phenotypes based on clinical presentation at 3 to 6 months post SARS-CoV-2 infection: results from the P402 consortium

Jelle M. Blankestijn (Amsterdam, Netherlands), Mahmoud I. Abdel-Aziz, Nadia Baalbaki, Somayeh Bazdar, Inés Beekers, Rosanne J.H.C.G. Beijers, Lizan D. Bloemsma, Merel E.B. Cornelissen, Debbie Gach, Laura Houweling, Sebastiaan Holverda, John J. Jacobs, Renée Jonker, Ivo Van Der Lee, Paulien M.A. Linders, Firdaus A.A.M. Hoesein, Lieke C.E. Noij, Marianne A. Van De Pol, Daphne W. Schaminee, Annemie M.W.J. Schols, Lisanne T. Schuurman, Brigitte Sondermeijer, J.J. Miranda Geelhoed, Joop P. Van Den Bergh, Els J.M. Weersink, Esther J. Nossent, Yolanda De Wit-Van Wijck, Anke H. Maitland-Van Der Zee

Long covid symptoms in hospitalized and non-hospitalized patients

GEORGIA CHASAPIDOU (THESSALONIKI, Greece), Christoforos Proimos, Eleni Eleftheriadou, Maria Konstadinidou, Dionisia Samara, Dimitra Daiou, Mei Gramenou, Efi Kamariotou, Panagiotis Georganakis, Eleana Giovani, Valentina Peglidou, Petros Ekoutsidis, Lefteris Doulgerakis, Diamantis Chloros

Prospective evaluation of post-covid patients being hospitalized in a Greek clinic

Konstantinos Eleftheriou (Athens, Greece), Vasilis Vlahakos, Athanasia Papalampidou, Theofani Rimpa, Apostolis Pappas, Zafiria Barmpareassou, Eftichia Polidora, Rafaela Siampani, Ioannis Kaolomenidis

Fatigue in post COVID-19 patients: the P402 COVID-19 study

Merel E.B. Cornelissen (Nijmegen, Netherlands), Lizan D. Bloemsma, Nadia Baalbaki, Somayeh Bazdar, Jelle M. Blankestijn, Inés Beekers, Rosanne J.H.C.G. Beijers, Joop P. Van Den Bergh, Debbie Gach, J.J. Miranda Geelhoed, Sebastiaan Holverda, Laura Houweling, John J. Jacobs, Renée Jonker, Ivo Van Der Lee, Paulien M.A. Linders, Lieke C.E. Noij, Esther J. Nossent, Marianne A. Van De Pol, Daphne W. Schaminee, Annemie M.W.J. Schols, Lisanne T. Schuurman, Brigitte Sondermeijer, Anouk W. Vaes, Els J.M. Weersink, Yolanda De Wit-Van Wijck, Martijn A. Spruit, Anke H. Maitland-Van Der Zee

PS-1 in poster area

Session

12:30 - 14:00

Poster session: Clinical problems in respiratory medicine (1)

Disease(s) : Airway diseases Interstitial lung diseases Thoracic oncology Respiratory critical care

Method(s) : General respiratory patient care Pulmonary function testing Cell and molecular biology Epidemiology Public health Imaging Palliative care

Chairs : Margarida Afonso (Castelo Branco, Portugal)

Comparison of functional status in patients who have post-COVID lung injury or idiopathic pulmonary fibrosis

Deniz Kizilirmak (Manisa, Turkey), Secil Sari, Fatma Can, Yavuz Havlucu

Can biomarkers predict survival in idiopathic pulmonary fibrosis?

Abdullah Kayikci (Eskisehir, Turkey), Fusun Alatas, Huseyin Yildirim

Characteristics in patients with Progressive Fibrosing Interstitial Lung Disease (PFILD) treated with Nintedanib: data from a specialist centre

janet johnston (Manchester, United Kingdom), Lachlan Stranks, Kate Newman, Theresa Garfoot, Laurence Pearmain, Stefan Stanel, Conal Hayton, Colm Leonard, Greaves Melanie, Pilar Rivera-Ortega

COPD assessment test (CAT) in patients with COPD and compensated heart failure

Bohdana Basina (Dnipropetrovsk, Ukraine), Nataliia Sanina, Tetyana Pertseva, Tamara Turlyun

Unexplained or refractory chronic cough and mental health disorders: review of this relationship and response to pregabalin therapy

Mathieu Saint-Pierre (Ottawa, Canada)

Factors involved in poor asthma medication adherence and barriers to the control of the disease

Younes Asma (Sfax, Tunisia), Rahma Gargouri, Souha Abdenneji, Rim Khemakhem, Ilhem Yangu, Walid Feki, Sammy Kammoun

Humoral and cellular immunity monitoring of Sinopharm/BBIBP COVID-19 vaccine

Zhangkai Cheng (Guangzhou, China), Huimin Huang, Peiyan Zheng, Mingshan Xue, Zhiman Liang, Baoqing Sun

Exploring secondary breathlessness outcomes: the Morphine vs Placebo trial

Diana Ferreira (Adelaide (SA), Australia), Magnus Ekstrom, Vanessa Brunelli, Sandra Louw, Philip Mccloud, Miriam Johnson, Katherine Clark, David Currow

Oxygen prescribing: can we meet the desired standards?

Laura White (Manchester, United Kingdom), Kamal Ibrahim, Zartasht Carmichael, Kyle Cromey

Responder rates in patients with acute cough treated with ivy leaves dry extract clearly exceed placebo response

Ralph Mösges (Köln, Germany), Esther Raskopf, Andreas Völp

A Composite Screening Method to maximise the Detection-Rate of Obstructive Sleep Apnoea in Train Drivers

Syeda Nafisa (Nottingham, United Kingdom), Lanre Ogunyemi, Tanya Stacey, Milind Sovani

Rigorous cardiac assessment helps clarify causes of recurrent admission in patients with COPD

Joseph Kibbler (Carlton, United Kingdom), Eduwin Pakpahan, David Ripley, Stephen C Bourke, John Steer

Efficacy of Blonanserine Transdermal Patch on Terminal Delirium in Patients with Respiratory Diseases

Katsutoshi Ando (Meguro, Japan), Ayumi Suzuki, Azumi Motosaku

Knowledge of COPD among Adults in Saudi Arabia's Eastern Province: An interim Results

Jaber S. Alqahtani (Dammam, Saudi Arabia), Areej Hassan Alamri, Roaa Saleh Bajahlan, Afrah Fahad Alanazi, Asalah Ahmed Hakami

Factors associated with treatment failure in an adult population of chronic coughers

Alessia Catalisano (Firenze, Italy), Mariangela Cascio Mariana, Claudia Mannini, Guja Bernacchi, Giovanni Colapietro, Giovanni Fontana, Federico Lavorini

Respiratory symptoms (RS) and pulmonary function (PF) in patients (pts) with chronic lymphoproliferative diseases (CLPD)

Kateryna Gashynova (Dnipro, Ukraine), Ganna Usenko

Characterisation of progressive fibrosing phenotype (PF-ILD) in patients with hypersensitivity pneumonitis (HSP)

Ahmed Suleman Haque (Gillingham, United Kingdom), Katherine Brignall, Shanthi Paramothayan, Vijayakumar Ganesh

Bronchiolitis obliterans syndrome after hematopoietic stem cell transplantation - single center experience

Özlem Isik (Ankara, Turkey), Güldane Cengiz Seval, Serhat Erol, Selami Koçak Toprak, Özlem Özdemir Kumbasar

Biologic agents in idiopathic hypereosinophilic syndrome: a case series

Ourania Papaioannou (Patras, Greece), Theodoros Karampitsakos, Eirini Zarkadi, Panagiota Tsiri, Electra Koulousousa, Eva Theochari, Vasilina Sotiropoulou, Georgios Tsirikos, Ioannis Christopoulos, Matthaios Katsaras, Elli Malakounidou, Vassiliki Georgiopolou, Kyriakos Karkoulas, Dimosthenis Lykouras, Alexandros Kaparianos, Dionysios Papalexatos, Fotios Sampsonas, Argyrios Tzouvelekis

Blood biomarkers in patients with Alpha-1 Antitrypsin Deficiency from the EARCO CRC Registry

Cristina Aljama Vizcarra (Reus, Spain), Alexa Nuñez, Cristina Esquinas, Hanan Tanash, Eva Bartošovská, Gerard Orriols, Georgina Farago, Galo Granados, Miriam Barrecheguren, Marc Miravittles

PS-8 in poster area

Session

12:30 - 14:00

Poster session: Severe asthma

Disease(s) : Airway diseases Respiratory critical care

Method(s) : General respiratory patient care Pulmonary function testing Physiology Epidemiology Public health Cell and molecular biology

Chairs : Fabio L. M. Ricciardolo (Torino, Italy), Stylianos Loukides (Athens, Greece)

Improved spirometric and oscillometric indices in severe asthma with clinical remission by anti-IL-5/IL-5 receptor alpha antibodies

Taisuke Akamatsu (Shizuoka, Japan), Kohei Okawa, Keita Hirai, Toshihiro Shirai

Small airway changes assessed by impulse oscillometry in severe asthmatic patients treated with Benralizumab

Cristina De Juana Izquierdo (VALENCIA, Spain), Andrés Sánchez Vera, Eva María Abril Ródenas, Elisa Lillo González, Vicente Abella Sanchís, Alejandro Álvarez Brito, Eva Martínez Moragón

Effect of prior anti-IL5 treatment on benralizumab outcomes in severe asthma

Gaël Tavernier (Manchester (Greater Manchester), United Kingdom), Mina Naderisemiromi, Taqdees Qureshi, Leanne Holmes, Lynn Elsey, Thomas Pantin, Stephen Fowler

Well-controlled severe asthmatics: who they really are?

Venere Piluso (Rome, Italy), Francesca Cefaloni, Cristina Boccabella, Luca Richeldi, Matteo Bonini

Parasite screening in a large pre-biologic severe eosinophilic asthma population

Irene Berrar Torre (London, United Kingdom), Kena Simpson, Rachel Stead, Victoria Nicholas, Darius Armstrong-James, Breda Cushen, Pujan Patel

Severe Asthma Questionnaire (SAQ) And Asthma Control Questionnaire (ACQ) As Early Predictors Of Biologic Response In Severe Asthma.

Drew Davies (Exeter, United Kingdom), Joseph Lanario, Micheal Hyland, Mathew Masoli

Adrenal insufficiency in corticosteroids dependent asthma: a single center experience

ERICA FALZONE (Orbassano (TO), Italy), Giuseppe Reimondo, Stefano Pizzimenti, Cristina Botto, Anna Maria Elena Perini, Vitina Carriero, Francesca Bertolini, Elisa Arrigo, Stefano Levra, Massimo Terzolo, Fabio Luigi Massimo Ricciardolo, Giuseppe Guida

Assessment of the impact of infection SARS-CoV-2 on the control and Lung function of patients with severe asthma

Ana Pedro Cunha Craveiro (Boidobra-Covilhã, Portugal), Margarida Gomes, Julia Cunha Silva, Ana Mendes, Maria Elisa Pedro

What adds the new definition of bronchodilator responsiveness in asthmatic adults?

Hela Fakhfakh (Sfax, Tunisia), Rim Kammoun, Emna Eleuch, Asma Haddar, Molk Maalej, Ines Kammoun, Kawthar Masmoudi

A retrospective real-life study on the switch of biologics in severe asthma

Sonia Garino (Leini, Italy), Giuseppe Guida, Elisa Riccardi, Vitina Carriero, Francesca Bertolini, Mattia Brusamento, Stefano Pizzimenti, Stefano Levra, Fabio Luigi Massimo Ricciardolo

The effect of anti-IL-5 biologics on lung function in adults with severe eosinophilic asthma.

Samuel Wallbanks (BIRMINGHAM, United Kingdom), Maximillian Thomas, Brendan Cooper, Julie Sullivan, Lisa White, Anilkumar Pillai, Adel Mansur

Effectiveness of anti-IL5 biologics in severe asthma, based on real world observational studies: a systematic review

Dimitrios Potonos (Ioannina, Greece), Konstantinos Exarchos, Christina Aggelopoulou, Evangelos Beris, Aggelos Ladias, Christos Kyriakopoulos, Athena Gogali, Konstantinos Kostikas

“Head-to-head” comparison between biologics in severe asthma: a real-world study

Elisa Riccardi (Massino Visconti, Italy), Giuseppe Guida, Sonia Garino, Francesca Bertolini, Vitina Carriero, Mattia Brusamento, Stefano Pizzimenti, Stefano Levra, Fabio Luigi Massimo Ricciardolo

Characterisation of asthma in patients with fixed obstructive ventilatory disorder

Hadhemi Rejeb (Sousse, Tunisia), SABRINE ELFIDHA, Rania Kaddoussi, Bochra Karaborni, Hanen Smadhi, Dorra Greb, Ines Akrouit, Hajer Abdelghaffar, Hela Hassene, Leila Fekih, Hela Kammoun, Mohamed Lamine Megdiche

Effects of anti-IL5 receptor α in severe asthma: a real-life study

Francesco Ardesi (Milan, Italy), Martina Zappa, Patrizia Pignatti, Sarah Grossi, Rosella Centis, Dina Visca, Antonio Spanevello

Phenotyping severe asthma attacks in patients hospitalised with acute asthma

Mouaid Aljehani (Nottingham, United Kingdom), Tim Harrison, Matthew Martin

Characteristics of severe asthma patients and predictors of asthma control in the Swiss Severe Asthma Registry

Fabienne Jaun (Liestal, Switzerland), Lydia Maria Troester, Stéphanie Giezendanner, Pierre-Olivier Bridevaux, Florian Charbonnier, Christian Clarenbach, Pietro Gianella, Anja Jochmann, Lukas Kern, David Miedinger, Nikolay Pavlov, Thomas Rothe, Claudia Steurer-Stey, Christophe Von Garnier, Joerg Daniel Leuppi

Persistent airflow limitation in severe asthma: should we talk about a specific phenotype?

Francesca Cefaloni (Rome, Italy), Cristina Boccabella, Luca Richeldi, Matteo Bonini

Effects of benralizumab therapy in patients with severe eosinophilic asthma: a single-center experience

Borislav Božanić (Niš, Republic of Serbia), Marija Topalović, Ivana Stanković, Tatjana Pejčić

Late Breaking Abstract - Novel Index assesses severe asthma care across 29 OECD countries

Patrick Gallen (Copenhagen K, Denmark), Bogi Eliassen, Joe-Max Wakim, José Manuel Jerez Pombo, Emilie Balk Møller

PS-16 in poster area

Session

12:30 - 14:00

Poster session: Novelties in respiratory physiotherapy for health and COVID-19

Disease(s) : [Airway diseases](#) [Respiratory critical care](#) [Interstitial lung diseases](#)

Method(s) : General respiratory patient care Pulmonary function testing Pulmonary rehabilitation Respiratory intensive care Public health Epidemiology

Chairs : Celso Ricardo Fernandes de Carvalho (São Paulo (SP), Brazil), Maria Koulopoulou (London, United Kingdom)

Reliability of kinetics-on and kinetic-off oxygen uptake during six-minute step test in male

Audrey Borghi Silva (São Carlos (SP), Brazil), MURILO OLIVEIRA, Shida Marinho, Aldair Araújo, Izadora Dourado, Cássia Goulart, Meliza Roscani, Renata Mendes

Incremental and constant load endurance respiratory muscle tests in healthy adults

Ana Lista Paz (A Coruña, Spain), Margarita Barral Fernández, Cristina Jácome, Linde Holmstock, Loena Van Baelen, Daniel Langer

Reference values for maximal respiratory pressures in Spanish population: a multicentre study

Ana Lista Paz (A Coruña, Spain), Margarita Barral Fernández, Luz González Doniz, Sonia Souto-Camba, Alejandro Quintela Del Río, Daniel Langer, Ana B Varas De La Fuente, Cristina Serrano Veguillas, Ane Arbilla-Etxarri, Elena Gimeno-Santos, Jordi Vilaró, Rodrigo Torres-Castro, Pilar Bravo Cortés, Esther García Delgado, Concepción Martín Cortijo, Marina Francín-Gallego, Beatriz Herrero-Cortina, Yolanda Sanesteban Hermida, Esther Giménez Moolhuyzen, Rocío Martín-Valero, Jorge Álvarez Rivas, José Luis Valera Felices, Carolina González Montañez, Antonio Tomás Ríos-Cortés, Guilherme Fregonezi

Clinical definition of respiratory muscle weakness based on reference values for maximal respiratory pressures

Ana Lista Paz (A Coruña, Spain), Daniel Langer, Margarita Barral Fernández, Luz González Doniz, Sonia Souto-Camba, Alejandro Quintela Del Río, Elena Gimeno-Santos, Ane Arbilla-Etxarri, Beatriz Herrero-Cortina, Rodrigo Torres-Castro, Jordi Vilaró, Pilar Bravo Cortés, Ana B Varas De La Fuente, Cristina Serrano Veguillas, Concepción Martín Cortijo, Esther García Delgado, Carolina González Montañez, Yolanda Sanesteban Hermida, Esther Giménez Moolhuyzen, José Luis Valera Felices, Rocío Martín-Valero, Marina Francín-Gallego, Jorge Álvarez Rivas, Antonio Tomás Ríos-Cortés, Guilherme Fregonezi

Virtual Reality Rehabilitation for Improving Exercise Performance and Mental Well-being in Post-Acute Sequelae of COVID-19 Patients

Sebastian Rutkowski (Opole, Poland), Anna Rutkowska, Katarzyna Bogacz, Jan Szczegielniak, Richard Casaburi

Predictors of weaning failure from mechanical pulmonary ventilation in patients affected by COVID-19

Natalia Trindade da Silva (Londrina, Brazil), Larissa A Castro, Walter Sepúlveda-Loyola, Josiane M Felcar, Carrie C R Galvan, Vanessa S. Probst

Effectiveness of Post-COVID rehabilitation and impact of frailty in Post-COVID Syndrome

Kola Akinlabi (London, United Kingdom), Binny Patel, Ana-Maria Barfa, Patrick Mallia, Radoslav Trojak, Gavin Sandercock

International Physical Activity Questionnaire for people post COVID-19: a validation study

Nicola Sante Diciolla (Madrid, Spain), Alda Marques, Ana Jiménez-Martín, Sara García-De Villa, F. Javier Redondo-García, Maris Torres-Lacombe, María José Yuste-Sánchez

Micro-choice based concentrated rehabilitation for patients with post COVID-19 condition, a 3-month follow-up study.

Bente Frisk (Sandvika, Norway), Marte Jurgensen, Birgitte Espehaug, Kiri Lovise Njøten, Eirik Søfteland, Bernt Bøgvold Aarli, Gerd Kvale

Association of dyspnea and physical activity level in adult patients with CF during COVID-19

Aydan Asli Aksel (Ankara, Turkey), Naciye Vardar-Yagli, Merve Firat, Melda Saglam, Ebru Calik-Kutukcu, Ebru Damadoglu

Factors affecting participation of long COVID-19 patients in pulmonary rehabilitation programmes

Christiana Lekka (Athens, Greece), Nikolaos Chynkiamis, Angelos Vontetsianos, Christina Anagnostopoulou, Stavrina Zaneli, Zoi Sotiropoulou, Georgios Kaltsakas, Andriana Papaioannou, Ioannis Vogiatzis, Antonia Koutsoukou, Nikolaos Koulouris

Respiratory, mental and physical aspects in people following COVID-19 infection: a six-month follow-up

Karina Pozo (Presidente Prudente, Brazil), Isis Grigoletto, Paloma Borges, Matheus Pedrosa, Elaine Maldonado Bertacco, Thamirys Serafim, Vinicius Cavalheri, Rafael Mesquita, Ercy Mara Cipulo Ramos

Effectiveness of physical activity counseling in patients with COVID-19

Zeliha Celik (Ankara, Turkey), Nihan Kafa, Nevin A. Guzel, Nurdan Kokturk

Functional recovery over 1 year after hospitalization for COVID-19: results from waves 1 and 2 of the pandemic

Marla Beauchamp (Hamilton, Canada), Renata Kirkwood, Andrew Costa, Mylinh Duong, Terence Ho, Rebecca Kruisselbrink, Aaron Jones, Parminder Raina

Is the endothelial dysfunction in patients with exacerbation of COPD and COVID-19 comparable?

Renata Gonçalves Mendes (Sao Carlos (SP), Brazil), Naiara Tais Leonardi, Alessandro Domingos Heubel, Erika Zavaglia Kabbach, Nathany Souza Schafhauser, Débora Mayumi Kawakami, Stephanie Nogueira Linares, Ariane Viana, Vanessa Teixeira Do Amaral, Gustavo Yudi Orikassa De Oliveira, Audrey Borghi-Silva, Emmanuel Gomes Ciolac

Relationship between cognitive impairment and upper limb motor skills in Long-COVID patients

Laura Lopez Lopez (Granada, Spain), Miguel Hernández Serrano, Alba Navas Otero, Javier Martín Núñez, Araceli Ortiz Rubio, Irene Torres Sánchez, Marie Carmen Valenza

Evaluation of the learning effect on the six-minute walking distance in patients with long COVID.

Tess Volckaerts (Edegem, Belgium), Kirsten Quadflieg, Chris Burtin, Kevin De Soomer, Ellie Oostveen, Ella Roelant, Iris Verhaegen, Michiel Thomeer, Maarten Criel, David Ruttens, Thérèse S. Lapperre, Dirk Vissers

Cardiac Hemodynamics and Functional Capacity After Covid-19: Case Series

Larissa Nascimento (Natal, Brazil), Emilyy Bandeira, Guilherme Fregonezi, Vanessa Resqueti

The effect of COVID-19 on exercise capacity in young people

Dilek Çağrı Arslan (ATAŞEHİR, Turkey), Meryem Bektaş Karakuş, Semiramis Özyılmaz

Factors Associated with Exercise Capacity and Functional Balance in Post-COVID-19 Syndrome

Ebru Calik Kutukcu (Ankara, Turkey), Melike Sura Oksuz Capanoglu, Oguz Abdullah Uyaroglu, Naciye Vardar Yagli, Melda Saglam, Deniz Inal Ince, Lale Ozisik, Nursel Calik Basaran, Gulay Sain Guven

PS-2 in poster area**Session****12:30 - 14:00****Poster session: Asthma diagnosis and management in primary care****Disease(s) :** Airway diseases**Method(s) :** Public health General respiratory patient care Epidemiology Cell and molecular biology Pulmonary function testing**Chairs :** María Mar Martínez Vázquez (Bilbao (Bizkaia), Spain)**Prevalence of asthma and allergies among children in the United Arab Emirates: A crosssectional study**

Naseem Abdalla (Dubai, United Arab Emirates), Fatima Al Meleh, Fatime Al Marzouqi, Fatima Al Jassim, Hisham Farouk, Mohamed Alsayed

Clinical factors associated with asthma-related mortality in Alberta, Canada

Subhabrata Moitra (Edmonton, Canada), Andrew Fong, Alim Hirji, Mohit Bhutani

Preventing Summer Holiday Drop in Prescription Uptake for School-Age Children with Asthma: A Pragmatic Cluster Randomized Controlled Trial of a Letter to GP Practices (TRAINS)

Rami Alyami (Sheffield, United Kingdom), Phillip Oliver, Rebecca Simpson, Steven Julious

Outcomes-driven Asthma data application, Emirates Health Services (EHS)- United Arab Emirates

Naseem Abdalla (Dubai, United Arab Emirates)

Asynchronous digital health interventions (aDHI) for reviewing asthma: a mixed-methods systematic review

Nazim Uzzaman (The University of Edinburgh, United Kingdom), Vicky Hammersley, Kirstie McClatchey, Jessica Sheringham, Monsur Habib, Hilary Pinnock

Post-hospitalisation asthma management in primary care: a retrospective cohort study

Shamil Haroon (Birmingham (West Midlands), United Kingdom), Dhanusha Punyadasa, Nikita Simms-Williams, Nicola Adderley, Rasiah Thayakaran, Adel Mansur, Krishnarajah Nirantharakumar, Prasad Nagakumar

A pulmonary transition clinic: the first Italian experience from Sacco University Hospital

Francesca Mandurino Mirizzi (LECCE, Italy), Lisa Milani, Marina Saad, Giuseppe Fuccia, Luca Perotto, Fiammetta Danzo, Andrea Farolfi, Gian Vincenzo Zuccotti, Pierachille Santus, Dejan Radovanovic

Addition of LAMA to current or former smoking asthmatics

Marios Ioannou (ATHENS, Greece), Stavros Patrinos, Niki Gianniou, Andreas Asimakos, Efrosini Dima, Ioanna Sigala, Paraskevi Katsaounou

Efficiency assessment of 15 nebuliser systems by the respirable drug delivery rate

Ralf Fischer (Starnberg, Germany), Filip Jukic, Rosina Ledermüller

Usability and acceptance of a novel compact spacer in patients with asthma and/or COPD

Amber Eikholt (Zwolle, Netherlands), Titia Klemmeier, Luc Steenhuis, Job Van Boven

Oral corticosteroid (OCS) burden and healthcare resource utilization (HCRU) in patients with chronic rhinosinusitis with nasal polyps (CRSwNP) who did or did not undergo functional endoscopic sinonasal surgery (FESS) in US real-world practice

Asif H. Khan (Chilly-Mazarin Cedex, France), Danielle Isaman, Stella Lee, Anju Peters, Peter Hwang, Sietze Reitsma, Natalia Petruski-Ivleva, Scott Nash, Juby Jacob-Nara

Validity and reliability evidence of the fear of COVID-19 scale in Greek patients with asthma

Mirada Karameri (Athens, Greece), Irini Patsaki, Maria Moutzouri, Georgios Koumantakis, Dimitris Tsimouris, Aikaterini Haniotou, Eirini Grammatopoulou

Late Breaking Abstract - Consensus quality standard for implementing inhaler regimen switch in patients with respiratory disease

Omar S. Usmani (London, United Kingdom), Nicolas Roche, Job Van Boven, Jane Scullion, José Miguel Padhila, Tonya Winders, Andreja Šajnić, John Bell, Anna Lawson, Alison Evans, Adam Ben Taieb, Heather Wellam, Janwillem Kocks

Late Breaking Abstract - Mexican Primary Care Physician's Knowledge about Asthma and COPD: Results of an exploratory survey

Rosaura Esperanza Benítez Pérez (México, Mexico), Angélica Margarita Portillo-Vasquez, Robert Camargo-Ángeles, Diana Ruiz-Ascencio, Adela Reyes-Herrera, Fatima Leticia Luna-Lopez, Ruy Lopez-Ridaura, Laura Graciela Gochicoa-Rangel

Late Breaking Abstract - 20-Year Secondary Care and Cost Burdens of Asthma and COPD in Singapore

Wenjia Chen (Vancouver, Canada), Laura Huey Mien Lim, Yah Ru Juang

Late Breaking Abstract - Reducing Short Acting Beta Agonist (SABA) prescribing in Antrim/Ballymena GP Federation through SENTINEL Plus

Joanne Caldwell (, United Kingdom), Aislinn McCarry, Michael Crooks

PS-9 in poster area**Session****12:30 - 14:00****Poster session: The impact of comorbidities and infection on the outcome of airways disease and response to treatment**

Disease(s) : Airway diseases Interstitial lung diseases Pulmonary vascular diseases

Method(s) : Cell and molecular biology Imaging General respiratory patient care Pulmonary function testing Epidemiology Public health Endoscopy and interventional pulmonology

Chairs : Cindy Barnig (Besançon, France)

Burden of asthma and risk factors associated with hospitalization: results of 290 centers of the SWORD OPD survey

Sheetu Singh (Jaipur (Rajasthan), India), Bharat Bhushan Sharma, Arvind Sharma, Krishna Kumar Sharma, Kp Suraj, Tariq Mehmood, Kumar Utsav Samaria, Surya Kant, Nishtha Singh, Tejraj Singh, Aradhana Singh, Rajeev Gupta, Parvaiz A Koul, Sundeep Salvi, Virendra Singh

Real-life effects of dupilumab in patients with severe type 2 asthma, according to atopic trait and presence of chronic rhinosinusitis with nasal polyps

Corrado Pelaia (Catanzaro (CZ), Italy), Alida Benfante, Maria Teresa Busceti, Maria Filomena Caiaffa, Raffaele Campisi, Giovanna Elisiana Carpagnano, Nunzio Crimi, Maria D'Amato, Maria Pia Foschino Barbaro, Angelantonio Maglio, Elena Minenna, Santi Nolasco, Giuseppe Paglino, Francesco Papi, Girolamo Pelaia, Andrea Portacci, Luisa Ricciardi, Nicola Scichilone, Giulia Scioscia, Massimo Triggiani, Giuseppe Valenti, Alessandro Vatrella, Claudia Crimi

Asthma diagnosis and symptoms in an allergen immunotherapy trial treating grass pollen induced rhinoconjunctivitis

Bjarke Hviid-Vyff (Aarhus C, Denmark), Johannes Martin Schmid, Hans Jürgen Hoffmann

High-dose aspirin in severe uncontrolled asthma associated with chronic rhinosinusitis with nasal polyps (CRwNP) : the ASTHMIRINE trial

Mathilde Le Brun (Paris, France), Gilles Devouassoux, Cécile Chenivresse, Gilles Garcia, Philippe Bonniaud, Alain Didier, Frédéric De Blay, Catherine Neukirch, Arnaud Bourdin, Pascal Chanez, Guillaume Mahay, Angelica Tiotiu, Amandine Vial-Dupuy, Candice Estellat, Marina Esposito-Farèse, Camille Couffignal, Camille Taillé

Allergen-specific immunotherapy in adults with birch pollen-related asthma: real life evidence

Jiri Nevrlka (Brno, Czech Republic), Katarina Ditetova, Zlatica Nevrlkova, Lenka Zdrzilova-Dubská

German Asthma Net: Nasal polyposis in patients with severe asthma

Christina Bal (Wien, Austria), Katrin Milger, Dirk Skowasch, Monika Gappa, Cordula Koerner-Rettberg, Margret Jandl, Olaf Schmidt, Rainer Ehmann, Slagjana Stoshikj, Christian Taube, Eckard Hamelmann, Roland Buhl, Stephanie Korn, Marco Idzko

Effectiveness and Safety of Anti-IL-5/Ra Biologics in Eosinophilic Granulomatosis with Polyangiitis: A Two-Year Multicenter Observational Study

Santi Nolasco (Catania, Italy), Andrea Portacci, Raffaele Campisi, Enrico Buonamico, Corrado Pelaia, Alida Benfante, Massimo Triggiani, Giuseppe Spadaro, Maria Filomena Caiaffa, Giulia Scioscia, Aikaterini Detoraki, Giuseppe Valenti, Francesco Papia, Alessandra Tomasello, Nunzio Crimi, Nicola Scichilone, Girolamo Pelaia, Giovanna Elisiana Carpagano, Claudia Crimi

Role of Galectin-10 (Gal-10) in nasal epithelium inflammation and remodeling of children with seasonal allergic rhinitis (SAR)

Rosalia Gagliardo (Palermo (PA), Italy), Olga Maria Manna, Stefania La Grutta, Velia Malizia, Alberto Fucarino, Francesca Rappa, Salvatore Fasola, Mirella Profita, Fabio Buchieri

Grading the severity of the local side effects induced by Sublingual Immunotherapy for Allergic Respiratory Disease

ASMA SAIDANE (TUNIS, Tunisia), Selsebil Daboussi, Meriem Chaabane, Marwa Kacem, Nouha Boubaker, Chiraz Aichaouia, Samira Mhamdi, Zied Moatameri

Obese asthma with positive type-2 inflammation markers: Cytokine profiles and potential pathogenesis

Masako To (Saitama, Japan), Natsue Honda, Kosuke Haruki, Yasuo To

Real-world outcomes with mepolizumab in patients with severe asthma and comorbid anxiety/depression: REALITI-A at 2 years

Rekha Chaudhuri (Glasgow (Glasgow), United Kingdom), Mark C. Liu, Diego Bagnasco, Andrea Matucci, Charles Pilette, Robert G. Price, Lydia Demetriou, Peter Howarth

Experience of the COVID-19 pandemic in asthmatic patients

Safa belkhir (Tunis, Tunisia), Soumaya Ben Saad, Amani Ben Mansour, Azza Slim, Hafaoua Daghfous, Fatma Tritar

The Burden of Allergic Bronchopulmonary Aspergillosis in Post-Tuberculosis Lung Disease Patients Presenting to a Tertiary Referral Centre

Animesh Ray (Kolkata (West Bengal), India), Anuj Ajay, Gagandeep Singh, Sanjeev Sinha, Immaculata Xess, Naveet Wig

Doctors Clinical-Decision making Algorithm for Allergy to Anti-Tuberculosis Drugs in Tunisia

ASMA SAIDANE (TUNIS, Tunisia), Selsebil Daboussi, Meriem Chaabane, Marwa Kacem, Nouha Boubaker, Chiraz Aichaouia, Samira Mhamdi, Zied Moatameri

The role of specific and total IgE in COPD

Meropi Karakioulaki (Freiburg im Breisgau, Germany), Caroline-Maria Berkemeier, Leticia Grize, Ingmar Heijnen, Antonis Goulas, Michael Tamm, Daiana Stolz

Patient burden on refractory and unexplained chronic cough: a qualitative survey in Japan

Takekazu Kubo (Tokyo, Japan), Naoya Ueda, Masakazu Igarashi, Anzu Yakushiji, Shigeru Tokita

IFN γ release from the co-culture of monocyte-derived dendritic cells and T-cells is induced in severe asthmatics in response to bacteria and viruses

Daniel Weidinger (Bochum, Germany), Kaschin Jamal Jameel, Marcel Raczek, Eike Buelthoff, Paul Bürger, Simon Rohde, Faisal Yusuf, Juliane Kronsbein, Matthias Tenbusch, Marcus Peters, Jürgen Knobloch

Anti-staphylococcal enterotoxin A and B immunoglobulin E in COPD

Meropi Karakioulaki (Freiburg im Breisgau, Germany), Caroline-Maria Berkemeier, Ingmar Heijnen, Leticia Grize, Eleni Papakonstantinou, Antonis Goulas, Michael Tamm, Daiana Stolz

Clinical relevance of Staphylococcus aureus nasal colonization and Staphylococcal enterotoxin-specific IgE sensitization in late-onset asthma

Ha-Kyeong Won (Seoul, Republic of Korea), Youngsang Yoo, Jiwon Lee, Noeul Kang, Ji-Hyang Lee, Jun-Pyo Choi, Tae-Bum Kim, Sang Heon Cho, Woo-Jung Song

Modelling small airways disease at air-liquid-interface with extended NTHi biofilm co-culture: Implications in COPD.

Jake Weeks (Southampton, United Kingdom), C. Mirella Spalluto, M. Vicky Humbert, Tom Wilkinson, Kristoffer Ostridge, Karl Staples

PS-10 in poster area

Session

12:30 - 14:00

Poster session: Subverted inflammation and remodelling in defining the pathogenesis of airways disease

Disease(s) : Airway diseases

Method(s) : Cell and molecular biology Imaging Endoscopy and interventional pulmonology

Chairs : Susanne Krauss-Etschmann (Borstel, Germany), Patricia Ramos-Ramírez (Glassboro, United States)

Claudin-3 deficiency attenuated ovalbumin-induced airway hyperresponsiveness and eosinophilic airway inflammation in mice

Ayaka Shiota (, Japan), Yumiko Ishii, Keiko Kan-O, Tomohiro Ogawa, Norio Yasamamoto, Seiji Shinozaki, Storu Fukuyama, Koichiro Matsumoto, Sachiko Tsukita, Isamu Okamoto

Regulation of eosinophil function in allergic airway inflammation by lysosome

Yinling Han (Hangzhou, China), Yun Zhao, Songmin Ying, Wen Li, Zhihua Chen, Huahao Shen

Effect of IL-3, IL-5 and GM-CSF on reactive oxygen species production by blood eosinophil subtypes in allergic asthma

Aidas Rimkunas (Kaunas, Lithuania), Andrius Januskevicius, Egle Vasyle, Jolita Palacionyte, Kestutis Malakauskas

Chemokine Receptor CCR1: A New Target for Asthma Treatment

Huahao Shen (Hangzhou, China), Zehua Shao, Chao Zhang, Xufei Du, Yan Zhang, Songmin Ying

Biased signaling of chemokine receptor CCR1 in asthma

Zehua Shao (Hangzhou, China), Qingya Shen, Bingpeng Yao, Songmin Ying, Yan Zhang, Huahao Shen

Airway inflammation alters mast cell-related responses in isolated guinea pig intra-lobular bronchi

Jielu Liu (Vallentuna, Sweden), Yujiao Xiang, Mu Nie, Anthony Wong, Jesper S  fholm, Mikael Adner

Defining the prostanoid component in mast cell-dependent constriction of isolated human small airways

Jesper S  fholm (Solna, Sweden), Sven-Erik Dahl  n, Mikael Adner

Biological and biochemical analysis of T cell derived bronchoconstriction

Akio Mori (Sagamihara (Kanagawa prefecture), Japan), Satoshi Kouyama, Akemi Ohtomo-Abe, Yuichiro Kawasaki, Maki Iwata, Yuto Nakamura, Yuto Hamada, Yosuke Kamide, Kiyoshi Sekiya, Yuma Fukutomi, Takayuki Ohtomo, Osamu Kaminuma

Peripheral innate lymphoid cell and T cell phenotypes are associated with treatable traits in young adults with asthma

Maura Kere (Stockholm, Sweden), Sophia Bj  rkander, Christopher Andrew Tibbitt, Jenny Mj  sberg, Erik Mel  n

IgE+ PCs arise in lung draining lymph nodes during HDM exposure, acquire distinct phenotype over time and accumulate in the bone marrow after chornic allergic inflammation

Andrea Vecchione (Tarrytown, United States), Navneet Kaur, Li-Hong Ben, Andrew Murphy, Matthew Sleeman, Andre Limnander, Seblewongel Asrat, Jamie Orengo

NLRP3 affects airway responsiveness in an OVA and ozone-induced asthma model with neutrophil infiltration through regulation of IL-1  

Yishu Xue (Shanghai, China), Yilin Pan, Lei Zhao, Huijuan Hao, Min Zhang, Wuping Bao

Development of OVA induced allergic airway inflammation emerge with gut inflammatory manifestations

Balachandar Selvakumar (Sharjah, United Arab Emirates), Mariam Wed Eladham, Shirin Hafezi, Narjes Sahebsharif-Askari, Ola Salam Bayram, Fatemeh Sahebsharif-Askari, Saleh Ibrahim, Rabih Halwani

The role of Gln27Glu polymorphism of the   2-adrenoreceptor gene in asthma development

Anna Kovchun (Sumy, Ukraine), Vladyslava Kachkovska, Liudmyla Prystupa

Early-life dysbiosis increases airway hyperresponsiveness in mice

Schmaiel Shirdel (L  beck, Germany), Jaclyn W. Mcalees, Adrienne N. Wilburn, Yves Laumonier, Jan Rupp, Simon Graspeuntner, Peter K  nig, Ian P. Lewkowich, Inken Schmudde

The role of mTOR in Particulate Matter induced steroid-resistant asthma mouse model

Hyun Seung Lee (Seoul, Republic of Korea), Heung-Woo Park, Kyoung-Hee Lee

Loss of small airway attachments during ageing in healthy subjects

Andrew Higham (Manchester (Greater Manchester), United Kingdom), Josiah Dungwa, Dave Singh

Late Breaking Abstract - Effect of inhaled triple therapy on small airway remodeling in patients with moderate to severe COPD accessed by endobronchial optical coherence tomography

Guo Zuyuan (Guangzhou, China), Zhou Ziqing, Li Shiyue, Zhong Nanshan

Profiling of B cell signatures and eosinophils in COPD lung tissues

Julia Mercier (Lund, Sweden), Renan Marrichi Mauch, Premkumar Siddhuraj, Manar Alyamani, Jimmie J  nsson, Caroline Lind  , Caroline Sand  n, Hodan Abdshill, Daisy Bornesund, Jonas Sten Erjef  lt

Profiling of CD4 and CD8 T cells in relation to eosinophil infiltration in COPD lungs

Renan M. Mauch (Lund, Sweden), Julia Mercier, Manar Alyamani, Premkumar Siddhuraj, Jimmie J  nsson, Johan Ahlgren, Caroline Lind  , Caroline Sand  n, Daisy Bornesund, Hodan Abdshill, Jonas S. Erjef  lt

Association of Th1/Th2 phenotype with changes in the frailty status among COVID-19 older survivors

Daniela Cataneo (Mexico City, Mexico), Leslie Chavez-Galan, Ranferi Ocaña-Guzman, Armando Castorena-Maldonado, Ivette Buendía-Roldán

PS-15 in poster area**Session****12:30 - 14:00****Poster session: Techniques in respiratory physiology****Disease(s) :** Pulmonary vascular diseases Airway diseases Interstitial lung diseases Sleep and breathing disorders**Method(s) :** Pulmonary function testing Physiology Imaging Epidemiology**Chairs :** Rachel Ong-Salvador (Amsterdam, Netherlands), Matthew Rutter (Cambridge (Cambridgeshire), United Kingdom)**Evaluating efficiency of autotitrating CPAP (continuous positive airway pressure): role of available tools**

Gianni Prest (Imperia (IM), Italy), Chiara Cardani, Serena Garibaldi, Silvia Tamborino, Francesco Balbi, Enrico Perretta

Use of a wearable sleep sensor in an OSA clinic: a service evaluation

Rhodri Curtis (Cardiff, United Kingdom), Joleta Hooper-Lee, Alex Perkins

Development and validation of novel individualized FeNO cut-offs

Rita Amaral (Porto, Portugal), Tiago Jacinto, Andrei Malinovschi, Christen Janson, Bernardo Sousa-Pinto, Anna-Carin Olin, Kjell Torén, Linda Ekerljung, Hannu Kankaanranta, Jörgen Syk, João A. Fonseca, Kjell Alving

Xe-MRI bronchodilator response to assess disease severity in patients with asthma and/or COPD

Laurie Smith (Sheffield (South Yorkshire), United Kingdom), Helen Marshall, Alberto Biancardi, Guilhem Collier, Ho-Fung Chan, Dave Capener, Jody Bray, Demi Jakymelen, Laura Saunders, Joshua Astley, Bilal Tahir, Ryan Munro, Oliver Rodgers, James Ball, Paul Hughes, Smitha Rajaram, Andy Swift, Neil Stewart, Graham Norquay, Martin Brook, Leanne Armstrong, Latife Hardakar, Titti Fihn-Wikander, Rod Hughes, Jim Wild

Effects of adopting GLI reference equations on lung volumes interpretation

Danny Brazzale (Macleod, Australia), Warren Ruehland, Celia Lanteri, Emma Smith

The FIVC should be used as an acceptable substitute for the FVC when evaluating the FVC in neuromuscular disease, experience in a clinical trial for adult myotonic dystrophy (DM)

Kevin McCarthy (Matthews, United States), Carrie Heusner, PhD, Jose Ramos, Dawn Patterson, Phil Lake, Marc Baumle

Nebuliser characterisation with saline results in inaccurate methacholine PD20 values.

James Dean (Holmes Chapel, United Kingdom), Dave Singh

Respiratory rate and chest wall motion assessment by a new 6-hour recording device

Manuel D'Onofrio (Rome, Italy), Emiliano Musso, Vincenzo Ambrogi

The partial pressure of transcutaneous carbon dioxide can be monitored with a wearable

Alessandra Angelucci (Milano, Italy), Sara Bernasconi, Luca Colombo, Mauro Contini, Paola Gugliandolo, Piergiuseppe Agostoni, Andrea Aliverti

Respiratory Sound Classification Of Four Lung Sounds Using Supervised and Self-supervised Learning

Lee Sunju (Daejeon, Republic of Korea), Taeyoung Ha, Yunkyoung Hyon, Chaeuk Chung, Yoonjoo Kim, Song-I Lee, Seong-Dae Woo

Role of lung function testing in investigation of persisting breathlessness following acute pulmonary embolus

David G. Parr (Coventry (West Midlands), United Kingdom), Joanna Shakespeare, Sarah Shuker, Jason Burge

Lung diffusion capacity in older and young endurance elite athletes

Biljana Lazovic (Beograd, Republic of Serbia)

Diffusion Capacity: Equipment quality control

Irene Steenbruggen (Zwolle, Netherlands), Peter De Laat

Smallest detectable difference of DLCO within clinical relevance?

Herman Groepenhoff (Lijnden, Netherlands), Annette Fiedler, Juergen Riess, Margriet Kaldenbach

Exploring physiological concordance between spirometry and gas transfer in IPF.

Absari Choudhury (Coventry, United Kingdom), Joanna Shakespeare, David G Parr

Relationships between same-day FVC and FIVC from forced spirometry and IVC from DLCO; findings in an IPF clinical trial

Jose Ramos (North Olmsted, OH, United States), Kevin McCarthy, Phil Lake, Marc-Aurel Baumle, Dawn Patterson

Characterisation of physiological discordance in patients with idiopathic pulmonary fibrosis.

Absari Choudhury (Coventry, United Kingdom), Joanna Shakespeare, David G Parr

Effects of CPAP levels on ventilation in healthy subjects

Lu Wang (China, China), Simin Liu, Yan Chen, D. Andrew Wellman, Joerg Steier, Danny Eckert, R. Doug Mcevoy, Yuanming Luo

Investigation of Respiratory Physiopathology by Determination of Pulmonary Gas Exchange and Ventilation Dynamics in Chronic Lung Diseases

Necmiye Funda Coşkun (Bursa, Turkey), Fadıl Özyener, Aslı Görek Dilektaşlı, Dane Ediger

12:45-13:45**INDUSTRY LUNCHTIME SYMPOSIUM****SEE PAGE 1****Blue 1+2****Session****12:45 - 13:45****Joint session: Prevention is better than cure. Vaccination developments in the next century**
an ERS / Industry Joint Session**Chairs :** Tobias Welte (Hannover, Germany), Katherine O'Brien (Baltimore, United States)**12:45 Development and technology of vaccines**
Leif Erik Sander (Berlin, Germany)**13:05 Vaccine safety**
Sabine Straus (, Netherlands)**13:25 Joint discussion and Q&A session****Red 1+2****Session****12:45 - 13:45****Joint session: Healthcare based on Value ... about time**
an ERS / Industry Joint Session**Chairs :** Jørgen Vestbo (Manchester (Greater Manchester), United Kingdom), Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom)**12:45 What is value based health care / Applicability in diverse healthcare contexts?**
Airolidi Mara (Oxford, United Kingdom)**13:00 Panel on value-based healthcare in COPD - my view**
Louise Jane Restrick (London, United Kingdom), Marc L.A. Decramer (Leuven, Belgium), Job F.M. van Boven (Groningen, Netherlands)**13:20 Questions and answers****Silver****Session****13:45 - 15:15****Symposium: The 'silent zone' is heard: latest insights and updates in small airways disease in asthma and chronic obstructive pulmonary disease****Aims :** to provide an update on recent research into the increasing importance of small airways diseases in patients with asthma and chronic obstructive pulmonary disease (COPD); to describe new developments in the assessment of small airways diseases using physiological methods; to provide an update on evidence for the clinical impact of small airways diseases on patient-related outcomes; to highlight recent data regarding treatment targeted at small airways diseases and how this relates to clinical outcomes.**Disease(s) :** Airway diseases**Method(s) :** General respiratory patient care Physiology Pulmonary function testing**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Scientist (basic, translational), Journalist**Chairs :** James D. Chalmers (Dundee (Angus), United Kingdom), Arzu Yorgancıoğlu (Konak, Turkey)**13:45 Small airways and early origins of airway disease: pathobiological considerations**
Francesca Polverino (Houston, United States)**14:00 Advances in physiological assessments of small airways diseases in asthma and COPD for everyday clinical practice**
Chung-Wai Chow (Toronto (ON), Canada)

14:15 Evidence for the clinical impact of small airways diseases on patient-related outcomes in patients with asthma and COPD
Monica Kraft (New York, United States)

14:30 Targeting and treating small airways disease in patients with asthma and COPD
Omar S. Usmani (London, United Kingdom)

14:45 Discussion and Q&A

Coral 1 Session 13:45 - 15:15

Symposium: Lung cancer screening: turning up the heat and moving onwards

Aims : to focus on the best practices and latest developments in lung cancer screening; to address topics relevant to an international audience by reviewing current data to highlight success and help remove barriers to increased adoption of efficient lung cancer screening programmes; to facilitate meaningful interaction between clinicians and researchers involved in different aspects of early detection (imaging, biomarkers, quality assurance, research, etc.) and relevant research.

Disease(s) : Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology Imaging Public health

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Patient, Physician in Pulmonary Training, Radiologist, Thoracic oncologist, Thoracic surgeon

Chairs : Marcello Migliore (Riyadh, Saudi Arabia), Andriani Charpidou (Athens, Greece)

13:45 Biomarkers in lung cancer screening: can they impact clinical management plans?
Ehab Billatos (Boston, United States)

14:00 Lung cancer detection by the electronic nose
Wouter H. van Geffen (Leeuwarden, Netherlands)

14:15 Emerging bronchoscopic options for early detection of lung cancer
Pallav L. Shah (London, United Kingdom)

14:30 Lung cancer screening in Europe: a first snapshot by SOLACE
Marie-Pierre Revel (Paris, France)

14:45 Discussion and Q&A

Coral 3 Session 13:45 - 15:15

Hot topics: Incidental findings in low dose computed tomography lung cancer screening programs: be aware, be prepared!

Aims : to highlight potential benefits and harms of incidental findings in low dose computed tomography lung cancer screening programmes; to present complementary professional perspectives of latest evidence and to add up to multidisciplinary management strategies.

Disease(s) : Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology Epidemiology Imaging

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Pathologist, Patient, Physician in Pulmonary Training, Radiologist, Thoracic oncologist, Thoracic surgeon, Respiratory therapist

Chairs : Elżbieta Magdalena Grabczak (Warszawa, Poland), Maria Joana Pereira Catarata (Porto, Portugal)

13:45 Incidental findings: the Radiologist's experience
Jens Vogel-Claussen (Hannover, Germany)

14:00 Incidental findings: the AI's answers
Speaker to be confirmed

14:15 Incidental findings: the GP's perspective
Speaker to be confirmed

14:30 The pulmonologist's new challenge: emphysema and ILA out of LDCT
Speaker to be confirmed

14:45 Discussion and Q&A

Coral 4+5	Session	13:45 - 15:15
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Clinical trials session: ALERT 4

Chairs : Florence Schleich (Liège, Belgium)

13:45

13:52

13:59

14:06 Wrap-up by discussant and discussion

14:28

14:35

14:42

14:49 Wrap-up by discussant and discussion

15:11 Closing remarks

Coral 2	Session	13:45 - 15:15
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State of the art session: Respiratory critical care

Noninvasive and invasive mechanical ventilation in acute respiratory diseases

Aims : to provide a state of the art overview of mechanical ventilation in acute respiratory failure, i.e., acute respiratory distress syndrome (ARDS), acute exacerbation of chronic obstructive pulmonary disease and beyond.

Disease(s) : Respiratory critical care

Method(s) : General respiratory patient care Respiratory intensive care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist

Chairs : Dries Testelmans (Leuven, Belgium), Claudia Crimi (Catania (CT), Italy), Ignacio Martin-Loeches (Dublin, Ireland)

13:45 **Molecular mechanisms of ventilator induced lung injury**
Martin Witzelrath (Berlin, Germany)

14:00 **Evidence-based invasive mechanical ventilation in ARDS**
Lise Piquilloud (Lausanne, Switzerland)

14:15 **Extracorporeal membrane oxygenation in ARDS: state of the art**
Christian Karagiannidis (Cologne, Germany)

14:30 **Weaning from mechanical ventilation**
Leo Heunks (Amsterdam, Netherlands)

14:45 Discussion and Q&A

Gold	Session	13:45 - 15:15
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State of the art session: Interstitial lung diseases

Filling the gaps in care for interstitial lung diseases

Aims : to discuss: 1) the primary care setting, exploring symptom evaluation in ILDs; 2) the novel assessment of idiopathic pulmonary fibrosis (IPF) management in light of different phase 3 clinical trials of this disease; 3) hypersensitivity pneumonitis (HP) and recent guidelines from different societies, such as novel therapeutic advances after the introduction of antifibrotic therapy in progressive HP; 4) the lungs with the common disease (also in the primary care setting) rheumatoid arthritis, focusing on the ILD component, and, more specifically, address whether its pathogenesis starts from the lungs.

Disease(s) : Interstitial lung diseases**Method(s) :** General respiratory patient care Physiology Pulmonary function testing**Tag(s) :** Clinical**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Patient, Physician in Pulmonary Training, Physiologist, Scientist (basic, translational), Respiratory therapist**Chairs :** Elena Bargagli (Siena, Italy), Paolo Spagnolo (Padova (PD), Italy), Antoine Froidure (Bruxelles, Belgium)**13:45 Symptom management in ILD**
Kerri Ilene Aronson (New York, United States)**14:00 Precision medicine in IPF**
Athol Wells (London, United Kingdom)**14:15 New developments in HP diagnosis and therapeutic management**
Martina Koziar Vasakova (Praha 10, Czech Republic)**14:30 Rheumatoid arthritis and the lungs: new concepts and treatments**
Katerina Antoniou (Heraklion, Greece)**14:45 Discussion and Q&A****Purple Session 13:45 - 15:15****Mini symposium: Genetics in paediatric respiratory diseases****Genetic heterogeneity underlies phenotype and therapeutic approaches****Aims :** to present the main process and challenges of genetic data interpretation; to list the main genetic diagnostic tools and their limitations; to provide the audience with key tips to read a genetic report. to discuss importance of genotyping for three model monogenic diseases that can affect newborns or occur later in life (cystic fibrosis, surfactant disorders and primary ciliary dyskinesia): to illustrate the phenotype-genotype correlation diversity and gene/mutation(s) distinct consequences at the cell level; to explain the consequences of molecular diagnosis on vital prognosis at birth, follow-up, lung cancer risk later in life and genetic counselling; to explain how genotypes connect with current personalised treatments and their development.**Disease(s) :** Airway diseases Interstitial lung diseases Paediatric respiratory diseases**Method(s) :** Cell and molecular biology Epidemiology General respiratory patient care**Tag(s) :** Translational**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Respiratory critical care physician, Paediatrician, Pathologist, Patient, Physician in Pulmonary Training, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Respiratory therapist**Chairs :** Nicole Beydon (Paris, France), Sinthia Bosnic-Anticevich (Strathfield (NSW), Australia)**13:45 Basics of genetic diagnostics**
Marie Legendre (Paris, France)**14:00 Surfactant disorders: from neonatal respiratory distress to cancer predisposition**
Lawrence Mark Nogee (Baltimore, United States)**14:15 Models for ciliated airway epithelial cells and personalised medicine**
Speaker to be confirmed**14:30 Discussion and Q&A****14:00-14:45 INDUSTRY SKILLS LAB WORKSHOP SEE PAGE 1****Brown 1+2 Session 14:15 - 15:30****Oral presentation: Personalised medicine and deep learning in interstitial lung disease and chronic obstructive pulmonary disease imaging****Disease(s) :** Airway diseases Interstitial lung diseases**Method(s) :** Imaging Pulmonary function testing**Chairs :** Ádám Domonkos Tárnoki (Budapest, Hungary), Chair to be confirmed

Late Breaking Abstract - Artificial intelligence-based decision support for HRCT stratification in fibrotic lung disease; an international study of 116 observers from 37 countries.

Lucio Calandriello (Rome, Italy), John Mackintosh, Federico Felder, Aditya Agrawal, Omer Alamoudi, Laura Alberti, Giuseppe Aquaro, Juan Arenas-Jiménez, Iain Au-Yong, Sergey Avdeev, Maurizio Balbi, Bruno Baldi, Andrea Yu-Lin Ban, Ionela-Nicoleta Belaconi, Elisabeth Bendstrup, David Bennett, Hans-Christian Blum, Nicola Boscolo Bariga, Gracijela Bozovic, Marsel Broqi, John Bruzzi, Ivette Buendia-Roldan, Diana Calaras, Sérgio Campaignha, Roberto G. Carbone, André Carvalho, Lorenzo Cereser, Gin Tsen Chai, Sachin Chaudhary, Nazia Chaudhuri, Patrick Alain Chui Wan Cheong, Wendy Cooper, Giuseppe Cutaia, Rosa D'Abronzio, Martijn D. De Kruif, Diemen Delgado-García, Sahajal Dhooria, Jesus J Diaz-Castanon, Glenn Eiger, Samantha Ellis, Rosa Estrada-Y-Martin, Yingying Fang, Gilbert Ferretti, Justyna Fijolek, Domenico Salvatore Gagliano, Marta Garcia-Moyano, Subha Ghosh, Eddie Gibson, Hester Gietema, Ritu Gill, Ian Glaspole, Raúl Godoy, Nicole Goh, Christopher Grainge, Julien Guiot, H. Henry Guo, Amit Gupta, Thomas Hartman, Peter Hopkins, Helen Jo, Takeshi Johkoh, Sandeep Katiyar, Gregory Keir, Lan-Chau Kha, Yet Hong Khor, Isil Kibar Akilli, Tomoo Kishaba, Eva Kocova, Melahat Kul, Nicholas Landini, Andrew Li, Randolph Lipchik, Patricia Lopez Miguel, Su Ying Low, Milena Adina Man, Federico Mei, Mayra Mejia, Zsuzsanna Monostori, Yuben Moodley, Brian Morrissey, Mathias Andreas Mueller, Suranjan Mukherjee, Yang Nan, Vidya Navaratnam, Yuichiro Nei, Boon Hau Ng, Tilo Niemann, Hilario Nunes, Anastasia Oikonomou, Lekshmi Padmakumari, Efstratios Panselinas, Ilias Papanikolaou, Shital Patil, Olof Joakim Pettersson, Sara Piciucchi, Wojciech J. Piotrowski, Daniel Popa, Ilaria Pulzato, Gaetano Rea, Cristina Reichner, Paul Reynolds, Pilar Rivera-Ortega, Pradosh Kumar Sarangi, Prasanth Sasidharan Nair, Palmi Shah, Hans Slabbynck, Philip Slocum, D.O., Neves Sofia, Chun Ian Soo, Ruza Stevic, Emilia Maria Swietlik, Pablo Szwarcstein, Felicia Teo, Fernando Tirapegui, Claudia-Lucia Toma, Keisuke Tomii, Abdelfattah Touman, Argyris Tzouvelekis, Ivo Van Der Lee, Yagnang Vyas, Shiyi Wang, Margaret Wilsher, Xiaodan Xing, Christopher Zappala, Guang Yang, Athol Wells, Tamera Corte, Simon Walsh

Alveolar collapse as a prognostic marker in patients with IPF: A CT-based assessment using an extended parametric response mapping technique

Sarah Scharm (Hannover, Germany), Jonathan Ehmig, Cornelia Schaefer-Prokop, Anton Schreuder, Jan Fuge, Frank Wacker, Antje Prasse, Hoen-Oh Shin

In-vivo endobronchial-PS-OCT for fibrosis quantification in ILD

Tatiana Soldati (Amsterdam, Netherlands), Margherita Vaselli, Kirsten Mooij - Kalverda, Erik Thunnissen, Michael Tanck, Onno Mets, Inge Van Den Berk, Jouke Annema, Peter Bonta, Johannes De Boer

Prognostic modeling in idiopathic pulmonary fibrosis using deep learning

Neha Anegondi (South San Francisco, United States), Yixuan Zou, Xuefeng Hou, Mohammadreza Negahdar, Dorothy Cheung, Paula Belloni, Alex De Crespigny, Alexandre Fernandez Coimbra

A deep learning algorithm for predicting disease progression in idiopathic pulmonary fibrosis

Simon Walsh (London, United Kingdom), Yingying Fang, Federico Felder, Guang Yang, John Mackintosh, Lucio Calandriello, Mario Silva, Wendy Cooper, Ian Glaspole, Nicole Goh, Christopher Grainge, Peter Hopkins, Yuben Moodley, Navaratnam Vidya, Paul Reynolds, Athol Wells, Tamera Corte

Deep learning-based quantification of traction bronchiectasis severity for predicting outcome in idiopathic pulmonary fibrosis

Federico Felder (London, United Kingdom), Yang Nan, Guang Yang, John Mackintosh, Lucio Calandriello, Mario Silva, Ian Glaspole, Nicole Goh, Wendy Cooper, Christopher Grainge, Peter Hopkins, Yuben Moodley, Navaratnam Vidya, Paul Reynolds, Athol Wells, Tamera Corte, Simon Walsh

Comparison of parenchyma density scoring in RA-ILD vs IPF and iNSIP

Bálint Ács (Székesfehérvár, Hungary), Miklós Zsiray, Diana Solymosi, Réka Gajdócsi, Tünde Harkó, Vivien Leskó-Jancsó, Anna Kerpel-Fronius

Endobronchial polarization sensitive optical coherence tomography for airway wall imaging

Sofi Vassileva (Amsterdam, Netherlands), Pieta C. Wijsman, Tatiana Soldati, Margherita Vaselli, Annika W.M. Goorsenberg, Daniel M. De Bruin, Johannes F. De Boer, Jouke T. Annema, Peter I. Bonta

Towards precision medicine in COPD: Bioradiomic SPECT-CT quantification of active lung inflammation

Benjamin Welham (Whitchurch, United Kingdom), Michael Bennett, Kristoffer Ostridge, Matthew Guy, Clint Zvavamwe, Francis Sundram, Tom Wilkinson

Impaired xenon gas transfer observed two years after COVID-19 hospitalisation in patients with signs of interstitial lung disease

Laura Saunders (Hope Valley, United Kingdom), Guilhem Collier, Ho-Fung Chan, Paul Hughes, Laurie Smith, Helen Marshall, Martin Brook, Alberto Biancardi, Madhvesha Rao, Graham Norquay, Neil Stewart, James Grist, Kher Lik Ng, Amanda Goodwin, Jonathan Brooke, Galina Pavlovskaya, Iain Stewart, Andrew Swift, Smitha Rajaram, Phil Molyneaux, Kevin Johnson, Joseph Jacob, Fergus Gleeson, Ian Hall, Thomas Meersmann, Ling-Pei Ho, A A Roger Thompson, Gisli Jenkins, Jim Wild

Discussion and Q&A

Brown 3

Session

14:15 - 15:30

Oral presentation: Sleep apnoea phenotyping: clinical features, pathophysiology, and biomarkers

Disease(s) : Sleep and breathing disorders**Method(s) :** General respiratory patient care Physiology Cell and molecular biology Epidemiology**Chairs :** Athanasia Pataka (Thessaloniki, Greece), Renaud Tamisier (Grenoble, France)**Late Breaking Abstract - Obstructive sleep apnoea phenotypes in women: data from the ESADA cohort**

Athanasia Pataka (Thessaloniki, Greece), Sebastien Bailly, Maria Bonsignore, Tarja Saaresranta, Sofia Schiza, Izolde Bouloukaki, Paschalis Steiropoulos, Georgia Trakada, Renata Riha, Zoran Dogas, Dries Testelmans, Ozen Basoglu, Stefan Mihaicuta, Jan Hedner, Ludger Grote, Jean-Louis Pepin, On Behalf Of The Esada Group

OSA phatophysiological traits in Milan and Monza-Brianza

Elisa Perger (Milano, Italy), Anna Monzani, Paolo Meriggi, Margarida V. Matias, Laura Garzillo, Marta Tundo, Antonio Foresi, Gianfranco Parati, Paola Faverio, Fabrizio Luppi, Carolina Lombardi

Modification of OSA endotypic traits by sulthiame

Erik Hoff (Göteborg, Sweden), Christian Strassberger, Ding Zou, Kaj Stenlöf, Ludger Grote, Jan Hedner

Redefining the Baveno Classification for obstructive sleep apnea

Sandhya Matthes (Duesseldorf, Germany), Marcel Tremel, Lars Hagmeyer, Winfried Randerath

Ischemia-modified albumin: an innovative biomarker evaluating cardiovascular risk in Obstructive Sleep Apnea patients.

Pilar Resano Barrio (Guadalajara, Spain), Enrique Alfaro García, Esther Solano Pérez, Carlota Coso Serrano, Carolina Cubillos Zapata, Elena Díaz García, Sofia Romero Peralta, María Esther Viejo Ayuso, Laura Silgado Martínez, Leticia Álvarez Balado, María Castillo García, Rosa Mediano San Andrés, Irene Cano Pumarega, Jorge Abad, Joaquín Durán Cantolla, Amaia Urrutia, María José Masdeu, Estrella Ordax Carbajo, Juan Fernando Masa, Mónica De La Peña, Mercè Mayos, Ramón Coloma, Josep María Montserrat, Eusebi Chiner, Jose Luis Izquierdo, Ferrán Barbé, Francisco García Río, Manuel Sánchez De La Torre, Olga Mediano

Obstructive sleep apnea with excessive daytime sleepiness is an independent risk factor for all-cause mortality: The Skara Sleep Cohort

Ding Zou (Gothenburg, Sweden), Ying Li, Ludger Grote, Ulf Lindblad, Jan Hedner*, Bledar Daka*

Prevalence of depression partly explains heterogeneity in prevalence of excessive daytime sleepiness in patients from different Countries in the European Sleep Apnea Database (ESADA)

Maria Rosaria Bonsignore (Palermo, Italy), Sebastien Bailly, Fabio Cibella, Alessandra Castrogiovanni, Sofia Schiza, Jan Hedner, Ludger Grote, Jean-Louis Pepin, On Behalf Of Esada

Excessive daytime sleepiness across Europe in OSA patients from the ESADA cohort: does cultural differences matters?

Izolde Bouloukaki (Heraklion (Crete), Greece), Renata Riha, Ludger Grote, Marisa Bonsignore, Jan Hedner, Jean-Louis Pepin, Athanasia Pataka, Winfried Randerath, Sébastien Bailly, Silke Ryan, Sophia Schiza

Overnight variation of premature ventricular complexes in patients with CSA and heart failure

Christoph Fisser (Regensburg, Germany), Amelie Ebert, Valentin Günzler, Florian Zeman, Dominik Linz, Holger Wöhrle, Renaud Tamisier, Martin R Cowie, Michael Arzt

Incongruence of the apnea-hypopnea index in detecting intermittent desaturations at very high altitude

Elisa Perger (Milano, Italy), Margarida V. Matias, Davide Soranna, Antonella Zambon, Javier Cantuarias, Simona Bertoli, Carolina Lombardi, Gianfranco Parati

Discussion and Q&A

Yellow 1+2+3

Session

14:15 - 15:30

Oral presentation: Best abstracts in behavioural science and health psychology**Disease(s) :** Sleep and breathing disorders Airway diseases Interstitial lung diseases Thoracic oncology**Method(s) :** Epidemiology Public health General respiratory patient care Palliative care Physiology Pulmonary rehabilitation**Chairs :** Lisa Jane Brighton (London, United Kingdom), Andreas Von Leupoldt (Leuven, Belgium)**Neural gating of respiratory sensations during exercise-induced dyspnea**

Lucas Vanden Bossche (Leuven, Belgium), Michele R. Schaeffer, Mingqi Zhao, Dante Mantini, Wim Janssens, Thierry Troosters, Daniel Langer, Andreas Von Leupoldt

Mechanism of dyspnea relief from menthol inhalation in healthy adults during loaded breathing trials

Michele Schaeffer (Leuven, Belgium), Lucas Vanden Bossche, Valentina Jelinčić, Kristin Verbeke, Daniel Langer, Andreas Von Leupoldt

Greater awareness of errors in patients with COPD

Ysys Denuette (Leuven, Belgium), Alicia Gonsalves, Thomas Reijnders, Wim Janssens, Thierry Troosters, Andreas Von Leupoldt

Characteristics of people with COPD associated with emotions of shame and guilt

Sara Lundell (Umea, Sweden), Sara Kalucza, Anna-Britt Coe, Senada Hajdarevic, Anders Blomberg

Improving performance in Chronic Obstructive Pulmonary Disease (COPD) through expectations: a Randomized Crossover Study

Eleonora Volpato (Milano (MI), Italy), Paolo Banfi, Elena Compalati, Francesco Pagnini

Physical inactivity and personality change in people with chronic respiratory diseases

Sébastien Kuss (Lodève, France), Nelly Héraud, Brice Canada

Psychosocial factors associated with short-term CPAP usage

Leanne Kaye (San Diego, United States), Vy Vuong, Adam Benjafield, Priyanshu Gupta, Meredith Barrett

Pilot Online Psychological Group Intervention for ILD patients

Victoria Singh (London, United Kingdom), Melissa Creese, Laura Fabbri, Elizabeth Renzoni

Patient-reported outcomes encourage communication about psychosocial issues in patients with COPD.

Louise Muxoll Gronhaug (Vejle, Denmark), Ingeborg Farver-Vestergaard, Anders Løkke, Jannie Frølund

Discussion and Q&A

Blue 1+2

Session

14:15 - 15:30

Oral presentation: Pneumonia**Method(s) :** Imaging Epidemiology General respiratory patient care Public health Pulmonary rehabilitation Endoscopy and interventional pulmonology**Chairs :** Oriol Sibila Vidal (Barcelona, Spain), Michal Shteinberg (Haifa, Israel)**Late Breaking Abstract - Efficacy of a respiratory syncytial virus (RSV) prefusion F protein vaccine (RSVPreF3 OA) in older adults with co-existing cardiorespiratory conditions**

Alberto Papi (Cona, Ferrara, Italy), Robert G. Feldman, Raffaele Antonelli-Incalzi, Katie Steenackers, Dong-Gun Lee, Michael G. Ison, Laurence Fissette, Marie-Pierre David, Céline Maréchal, Marie Van Der Wielen, Lusine Kostanyan, Veronica Hulstrøm

CheXED artificial intelligence to detect radiographic pneumonia in urgent care clinic patients.

Nathan Dean (Murray, United States), James Hart, Kathryn Kuttler, Cara Van Uden, Curtis Langlotz, Chad Carman, Thea Sakata

Individualized treatment rule (ITR) for early steroid use in hospitalized patients with community acquired pneumonia (CAP)

Yewande Odeyemi (Washington, United States), Allison Lemahieu, Ognjen Gajic, Schulte Phillip

Molecular diagnostic resistance patterns in the BALF of hospitalised patients with pneumonia

Andrei Darie (Basel, Switzerland), Nina Khanna, Kathleen Jahn, Mirjam Osthoff, Desiree Schumann, Hans Hirsch, Martin Brutsche, Leticia Grize, Michael Tamm, Daiana Stolz

Diagnostic behaviours among patients with community acquired pneumonia in the age of CoVid-19

Phoebe Hazenberg (Liverpool, United Kingdom), Thomas Fitzmaurice, Ryan Robinson, Kev Bailey, Fred Fyles

Epidemiology of community-acquired pneumonia (CAP) in Europe during the COVID-19 pandemic –preliminary results of PNEUMO study Europe

Lisa Hessels (Alkmaar, Netherlands), Sebastiaan Hullegie, Rianne Jahja, Jesús Rodríguez-Baño, Francesco Blasi, Bruno François, James D. Chalmers, Grit Barten-Neiner, Manuel Recio Rufián, Rosario Menéndez Villanueva, Javier Cobo Reinoso, Damien Viglino, Fabiano Di Marco, Manuel Garcia Gutiérrez, Kelly D. Johnson, Thomas Weiss, Madelyn Ruggieri, Marc Bonten, Cristina Prat Aymerich

Not just a cold: chest CT features of rhinovirus lower respiratory tract infection in adults and comparison with other viruses

Lawrence A. Marinari (Bryn Mawr, United States), Michelle L. Hershman, Madeline A. Danny, Wallace T. Miller, Jr.

The clinical efficacy of cefoperazone-sulbactam versus piperacillin-tazobactam in the treatment of severe community-acquired pneumonia

Hsu-Yuan Chen (Taichung City, Taiwan), Chih-Cheng Lai, Wei-Chih Chen, Li-Kuo Kuo, Yao-Tung Wang, Pin-Kuei Fu, Shih-Chi Ku, Wen-Feng Fang, Chin-Ming Chen, Chih-Yen Tu, Wen-Chien Cheng, Chia-Hung Chen

Quality of life following CAP hospitalization: preliminary results from the PNEUMO study Europe

Lisa Hessels (Alkmaar, Netherlands), Sebastiaan Hullegie, Rianne Jahja, Jesús Rodríguez-Baño, Isabel Morales Barroso, Francesco Blasi, Bruno François, Rachel Froget, Manuel Recio Rufián, Angelo Corsico, Brigida Quindos, Kelly D Johnson, Thomas Weiss, Madelyn Ruggieri, Marc Bonten, Cristina Prat-Aymerich

Epidemiological and clinical characteristics of patients hospitalized with human metapneumovirus (hMPV) infection in Israel, 2015-2021

shlomit Keler (Kfar maas, Israel), Menucha Jurkowicz, Ilana S. Fratty, Hilda Sherbany, Nathan Keller, Eugene Leibovitz, Gilad Sherman, Or Kriger, Ella Mendelson, Michal Mandelboim, Michal Stein

Discussion and Q&A**Red 1+2 Session 14:15 - 15:30****Oral presentation: Pulmonary embolism: acute and long-term management (1)**

Disease(s) : Pulmonary vascular diseases

Method(s) : General respiratory patient care Cell and molecular biology Epidemiology Pulmonary rehabilitation Imaging

Chairs : Laurent Bertoletti (Saint Etienne Cedex, France), Lucilla Piccari (Barcelona, Spain)

Late Breaking Abstract - Does ultrasound in suspected pulmonary embolism safely reduce referral to diagnostic imaging? – a randomized controlled trial

Casper Falster (Odense, Denmark), Rune Wiig Nielsen, Jacob Eifer Møller, Mikael Kjær Poulsen, Stefan Posth, Mikkel Brabrand, Christian B. Laursen

Pulmonary embolism diagnostic strategies in patients with COPD exacerbation: post-hoc analysis of the PEP trial

Francis Couturaud (Brest, France), Vicky Mai, Geoffroy Rambaud, Camille Motreff, Olivier Sanchez, Pierre-Marie Roy, Yannick Auffret, Raphael Le Mao, Frédéric Gagnadoux, Nicolas Paleiron, Jeannot Schmidt, Jean Pastre, Michel Nonent, Cécile Tromeur, Pierre-Yves Salaun, Patrick Mismetti, Philippe Girard, Karine Lacut, Catherine Lemarié, Guy Meyer, Christophe Leroyer, Grégoire Le Gal, Laurent Bertoletti

Evolution of cardiac biomarkers and short-term prognosis in pulmonary embolism

Laurent Bertoletti (Saint Etienne Cedex, France), Maxime Castan, Luc Janisset, Valentine Mismetti, Géraldine Poenou, Raphaël Lachand, Sandrine Accassat, Thibault Leconte, Elie Ayoub, Loïc Villeneuve, Cyril Noto-Campanella, Alain Viallon

Outpatient management of cancer-related pulmonary embolism: a post-hoc analysis of the HOME-PE trial

Sérine Chaibi (Nogent sur Marne, France), Pierre-Marie Roy, Armelle Arnoux, Andrea Penaloza, Olivier Hugli, Antoine Elias, Francis Couturaud, Luc-Marie Joly, Raphaëlle Lopez, Laura M. Faber, Benjamin Planquette, Jérôme Bokobza, Damien Viglino, Jeannot Schmidt, Henry Juchet, Isabelle Mahé, Frits Mulder, Nicolas Falvo, Karine Montclair, Charlotte Steinier, Stephan V. Hendriks, Ygal Benhamou, Tali-Anne Szwebel, Gilles Pernod, François-Xavier Lapebie, Nicolas Javaud, Alexandre Ghuysen, Mustapha Sebbane, David Jimenez, Menno V. Huisman, Frederikus A. Klok, Olivier Sanchez

The utility of routine systematic respiratory assessment following initial management of acute pulmonary embolism

Sarah Shuker (Coventry, United Kingdom), Emma Helm, Benjamin Bailiff, David Parr

MicroRNAs as predictors of chronic thromboembolic pulmonary hypertension

Remedios Otero Candelera (Sevilla, Spain), Julia Oto Martínez, Olga Tura Ceide, David Hervás Marín, Elena Arellano Orden, Isabel Blanco, Víctor Peinado, Pilar Medina Badenes, Joan Albert Barberá, Verónica Sánchez Lopez

HDAC6 regulates endothelial-to-mesenchymal transition in venous thrombosis

Catherine Lemarie (BREST, France), Marion Pilard, Virginie Gourdou-Latyszenok, Sara Robin, Francis Couturaud

Rehabilitation to improve exercise capacity and quality of life after pulmonary embolism

Øyvind Jervan (Fredrikstad, Norway), Stacey Haukeland Parker, Jostein Gleditsch, Mazdak Tavoly, Frederikus Klok, Kjetil Steine, Hege Hølmo Johannessen, Martijn Spruit, Dan Atar, Rene Holst, Anders Erik Astrup Dahm, Per Anton Sirnes, Knut Stavem, Waleed Ghanima

Rate of clinically relevant bleeding and recurrent venous thromboembolism according to location of the metastases in patients with cancer associated thrombosis.

Víctor García García (Sevilla, Spain), Maria Barca-Hernando, Samira Marin Romero, Sergio Lopez Ruz, Teresa Elias-Hernandez, Luis Jara Palomares

Case fatality rate of recurrent venous thromboembolism and clinically relevant bleeding in patients with cancer.

Maria Barca Hernando (Sevilla, Spain), Sergio Lopez-Ruz, Victor Garcia-Garcia, Samira Marin-Romero, Teresa Elias-Hernandez, Luis Jara-Palomares

Discussion and Q&A

Amber 3+4	Session	14:20 - 17:10
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Skills workshop: SW15 Thoracic ultrasound basic principles

Aims : To describe the current use of thoracic ultrasound and to provide participants with the opportunity to perform this technique using training models, simulators, volunteers and patients.

Disease(s) : Thoracic oncology Interstitial lung diseases

Tag(s) : Clinical

Chairs : Rahul Bhatnagar (Bristol, United Kingdom)

14:20	Introduction Rahul Bhatnagar (Bristol, United Kingdom)
14:50	Normal Thoracic Cavity Giovanni Volpicelli (Torino (TO), Italy), Morten Bendixen (Skejby, Denmark)
14:50	Pleural effusion and/or pleural thickening Valentina Pinelli (Sarzana, Italy), Konstantina Kontogianni (Heidelberg, Germany)
14:50	Case studies Poppy Denniston (London, United Kingdom)
14:50	Guided interventions Søren Helbo Skaarup (Aarhus C, Denmark), Helen McDill (Bristol (Avon), United Kingdom)

Amber 1+2	Session	14:30 - 16:50
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Skills workshop: SW12 Clinical-radiological-pathological correlation in pulmonary hypertension

Aims : to develop a systematic approach to interpretation of radiological investigations (with a focus on computed tomography) in patients with suspected pulmonary hypertension (PH); to provide practical experience in performing and interpreting echocardiography in patients with PH; to improve knowledge and understanding of pathological changes associated with PH; to improve skills in integrating clinical, radiological and right heart catheter data to enable the correct diagnosis of patients with suspected PH.

Disease(s) : Pulmonary vascular diseases

Method(s) : Imaging

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Pathologist, Physician in Pulmonary Training, Radiologist

Chairs : Robin Condliffe (Sheffield (South Yorkshire), United Kingdom)

14:30	Introduction
14:30	Radiological assessment of pulmonary hypertension Deepa Gopalan (LONDON, United Kingdom)
14:30	Pathological assessment of pulmonary hypertension Peter Dorfmueller (Le Plessis-Robinson, France)
14:30	Echocardiography in pulmonary hypertension Marielle van de Veerdonk (Amsterdam, Netherlands), Abdul Hameed (Sheffield (South Yorkshire), United Kingdom)
14:30	Clinical assessment of pulmonary hypertension Robin Condliffe (Sheffield (South Yorkshire), United Kingdom)

Coral 3	Session	15:30 - 17:00
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Symposium: Treatment of early stage, technically resectable mesothelioma

Aims : to review different international guidelines on treatment of mesothelioma; to present inconsistencies in the current set of guidelines; to help delegates understand the use of these guidelines in optimal patient care.

Chairs : Elżbieta Magdalena Grabczak (Warszawa, Poland), Maria Joana Pereira Catarata (Porto, Portugal)

15:30	What is the early stage mesothelioma? Speaker to be confirmed
15:45	Radical surgery should be offered to patients with early stage, technically resectable mesothelioma Nuria Novoa Valentin (Majadahonda, Spain)

16:00	Radical surgery should not be offered to patients with early stage, technically resectable mesothelioma Najib M. Rahman (ABINGDON, United Kingdom)
16:15	A look into the future: active trials and research strategies for early-stage mesothelioma Kevin Blyth (Glasgow (Glasgow), United Kingdom)
16:30	Discussion and Q&A

Coral 1 Session 15:30 - 17:00

Symposium: Controversies on ground glass opacities of the lung

Ground glass opacities and lung cancer

Aims : to discuss lung ground glass opacity (GGO) and to emphasise the challenges that thoracic surgeons, physicians, pneumologists and thoracic oncologists are now facing and will face in future regarding GGOs after the COVID-19 pandemic.

Disease(s) : Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology Public health Surgery

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Pathologist, Patient, Radiologist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon

Chairs : Marcello Migliore (Riyadh, Saudi Arabia), Andriani Charpidou (Athens, Greece)

15:30	Is GGO a real entity ? William Travis (New York, United States)
15:45	Ground glass opacities of the lung after the COVID-19 pandemic Katarzyna Zanowska (Krakow, Poland)
16:00	Should GGO always be closely follow-up? Pallavi Purwar (New Delhi, India)
16:15	Screening programme for lung cancer GGO Ugo Pastorino (Milan, Italy)
16:30	Discussion and Q&A

15:30-16:15

INDUSTRY SKILLS LAB WORKSHOP

SEE PAGE 1

Coral 4+5 Session 15:30 - 17:00

Guidelines session: Palliative care for people with chronic obstructive pulmonary disease or interstitial lung disease / The use of "as-needed" inhaled corticosteroids/formoterol in mild asthma

1) European Respiratory Society clinical practice guideline on palliative care for people with chronic obstructive pulmonary disease or interstitial lung disease and 2) European Respiratory Society guideline on inhaled corticosteroids/formoterol on demand

Aims : to discuss two new published guidelines, namely, the European Respiratory Society (ERS) guideline on inhaled corticosteroids (ICS)/formoterol on demand and the ERS clinical practice guideline on palliative care for people with chronic obstructive pulmonary disease (COPD) or interstitial lung disease (ILD); to provide physicians, healthcare professionals, patients and other stakeholders information on the use of rescue ICS/formoterol for the treatment of adult and adolescent patients with mild asthma based on a systematic review of the literature and application of the Grading of Recommendations, Assessment, Development and Evaluation approach; to explain what palliative care entails for people with COPD or ILD and their informal caregivers and how to identify people with COPD or ILD who may benefit from palliative care; to describe a model to integrate palliative care in disease-modifying care for people with COPD or ILD; to discuss the clinical implications of both guidelines and barriers to their application in clinical practice.

Disease(s) : Airway diseases Paediatric respiratory diseases

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Nurse, Paediatrician, Patient, Physician in Pulmonary Training

Chairs : Florence Schleich (Liège, Belgium)

15:30	Guidance towards timely initiation of palliative care for people with COPD or ILD Daisy J.A. Janssen (Horn, Netherlands)
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15:45	Patient and caregiver's perspectives Speaker to be confirmed
15:50	Palliative care for people with COPD or ILD: the perspective of the patient and informal caregiver Alda Sofia Pires De Dias Marques (Aveiro, Portugal)
16:05	Discussion and Q&A
16:20	Which is better, as-needed ICS/formoterol alone or regular low-dose ICS maintenance treatment? Richard Beasley (Wellington, New Zealand)
16:35	Which is better, as-needed ICS/formoterol alone or as-needed SABA plus maintenance? Ioana Agache (Brasov (Brasov), Romania)
16:50	Discussion and Q&A

Silver Session 15:30 - 17:00

Journal session: The best of the European Respiratory Journal

Aims : to review the best publications in the European Respiratory Journal (ERJ) on key topics in 2022–2023, covering environment and health, interstitial lung disease, COVID-19 and airways disease.

Disease(s) : Airway diseases Interstitial lung diseases Respiratory infections

Method(s) : Cell and molecular biology Epidemiology Public health

Tag(s) : Translational

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist, Journalist

Chairs : James D. Chalmers (Dundee (Angus), United Kingdom), Arzu Yorgancıoğlu (Konak, Turkey)

15:30	The best of the ERJ: air pollution and climate change Isabella Annesi Maesano (Montpellier, France)
15:45	The best of the ERJ: airways disease Mona Bafadhel (London, United Kingdom)
16:00	The best of the ERJ: COVID-19 and long COVID Joan B Soriano (Madrid, Spain)
16:15	The best of the ERJ: interstitial lung disease Martin Kolb (Hamilton (ON), Canada)
16:30	Discussion and Q&A

Gold Session 15:30 - 17:00

Clinical cases: Lungs on fire: interstitial lung diseases?

Aims : to present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

Disease(s) : Interstitial lung diseases Respiratory infections

Tag(s) : Clinical

Chairs : Elena Bargagli (Siena, Italy), Paolo Spagnolo (Padova (PD), Italy), Antoine Froidure (Bruxelles, Belgium)

Discussants : Michael Kreuter (Heidelberg, Germany), Marlies S. Wijsenbeek (Rotterdam, Netherlands)

15:30	Case 1 incl. panel discussion and Q&A - Author: J. R. Macedo Pacheco (Portugal) Marlies S. Wijsenbeek (Rotterdam, Netherlands)
15:52	Case 2 incl. panel discussion and Q&A - Author: P. Sharma (India) Michael Kreuter (Heidelberg, Germany)
16:14	Case 3 incl. panel discussion and Q&A - Author: L. Benuzzi (Italy) Marlies S. Wijsenbeek (Rotterdam, Netherlands)

16:36 Case 4 incl. panel discussion and Q&A - Author: R. G. Girolamo (Italy)
Michael Kreuter (Heidelberg, Germany)

Coral 2 Session 15:30 - 17:00

Clinical cases: Lungs on fire: respiratory critical care/sleep and breathing disorders

Aims : to present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

Disease(s) : Respiratory critical care Sleep and breathing disorders

Tag(s) : Clinical

Chairs : Dries Testelmans (Leuven, Belgium), Claudia Crimi (Catania (CT), Italy), Ignacio Martin-Loeches (Dublin, Ireland)

Discussants : Christoph Fisser (Regensburg, Germany), Marieke L. Duiverman (Groningen, Netherlands)

15:30 Case 1 incl. panel discussion and Q&A - Author: C. Tomsa (Italy)
Marieke L. Duiverman (Groningen, Netherlands)

15:52 Case 2 incl. panel discussion and Q&A - Author: J. Riera Del Brio (Spain)
Christoph Fisser (Regensburg, Germany)

16:14 Case 3 incl. panel discussion and Q&A - Author: R. Severin (United States of America)
Marieke L. Duiverman (Groningen, Netherlands)

16:36 Case 4 incl. panel discussion and Q&A - Author: T. Said Ahmed (United States of America)
Christoph Fisser (Regensburg, Germany)

Purple Session 15:30 - 17:00

Mini symposium: Next generation evidence-based decision-making in respiratory medicine

ERS/Respiratory Effectiveness Group joint session

Aims : to explore the contribution of data from real-life research studies to decision-making processes including guidelines development; to emphasize the complementarity of real-life research and randomized controlled trials for the assessment of interventions; to discuss the yield of m-Health tools and the contribution and challenges of registries.

Disease(s) : Airway diseases Interstitial lung diseases Paediatric respiratory diseases

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Paediatrician, Patient, Physician in Pulmonary Training, Respiratory physiotherapist, Journalist

Chairs : Sinthia Bosnic-Anticevich (Strathfield (NSW), Australia), Nicole Beydon (Paris, France)

15:30 Real-world" evidence vs randomized controlled trials: friends or foes?
Giorgio Walter Canonica (Milano (MI), Italy)

15:45 The future of evidence generation using mHealth tools
Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom)

16:00 Building registries to inform decision-making: potential and challenges
David Price (Singapore, Singapore)

16:15 Discussion and Q&A

Blue 1+2 Session 15:45 - 17:00

Oral presentation: Lung structure and function across the lifespan

Disease(s) : Airway diseases Interstitial lung diseases Respiratory critical care

Method(s) : Imaging General respiratory patient care Physiology Cell and molecular biology Respiratory intensive care Pulmonary function testing Epidemiology Public health

Chairs : Rory Morty (Heidelberg, Germany), Anne Greenough (London, United Kingdom)

Late Breaking Abstract - Differences in autophagy marker levels at birth in preterm vs. term infants

Noëmi Künstle (Basel, Switzerland), Olga Gorlanova, Andrea Marten, Loretta Müller, Pawan Sharma, Martin Rösli, Pablo Sinues, David Schürmann, Céline Rüttimann, Carla Rebeca Da Silva Sena, Uri Nahum, Jakob Usemann, Ruth Steinberg, Sophie Yammine, Sven Schulzke, Philipp Latzin, Urs Frey

Late Breaking Abstract - Prenatal exposure to air pollution affects newborns' autophagy, senescence and remodelling proteins

Olga Gorlanova (Bättwil, Switzerland), Heide Oller, Uri Nahum, Noemi Künstle, Loretta Müller, Andrea Marten, Céline Rüttimann, Danielle Vienneau, Kees De Hoogh, David Schürmann, Carla Rebeca Da Silva Sena, Martin Rösli, Pablo Sinues, Sven Schulzke, Ruth Steinberg, Jakob Usemann, Pawan Sharma, Urs Frey

Morphomolecular analysis of the capillary network in alveolar capillary dysplasia

Jan-Christopher Kamp (Hannover, Germany), Lavinia Neubert, Jonas C. Schupp, Christoph Wrede, Florian Laenger, Tobias Welte, Nicolaus Schwerk, Jakob Reichmann, Tim Salditt, Anke K. Bergmann, Sandra Von Hardenberg, Hans H. Kreipe, Karen M. Olsson, Jan Fuge, Da-Hee Park, Marius M. Hoeper, Danny D. Jonigk, Lars Knudsen, Mark P. Kuehnel

Bronchiolitis in infancy is associated with irreversible obstruction in early adulthood.

Sanna Saarikallio (Kangasala, Finland), Riikka Riikonen, Antti Tikkakoski, Eero Lauhkonen

Acinar dysplasia in a full term newborn with a NKX2.1 variation

Yohan SÖREZE-SMAGGHUE (Paris, France), Nadia Nathan, Julien Jegard, Erik Hervieux, Pauline Clermidi, Chiara Sileo, Camille Louvrier, Marie Legendre, Aurore Coulomb L'Herminé

A cigarette smoke exposure model using lung tissues to study emphysema

Venkataramana Sidhaye (Baltimore, United States), Ara Wally, Anuj Lagowala, Kai Wilmsen, Bonnie Yeung-Luk, Matthew Luk, Baishakhi Ghosh, Laine Feller, Ethan Tieng, Ethan Sherman, Nisha Upadaya, David Horsey, Vaishnavi Karanam

The upper respiratory tract microbiota across the human lifespan: a nationwide Dutch population study.

Mari-Lee Odendaal (The Netherlands, Netherlands), Wouter De Steenhuijsen Piters, Eelco Franz, Lidwien Smit, Debby Bogaert, Thijs Bosch

Transcriptomic analysis of the developing rabbit's lung: implication of premature birth and post-natal oxygen exposure

Matteo Storti (Parma, Italy), Barbara Montanini, Ilaria Minato, Nicola Casiraghi, Silvia Parolo, Enrico Domenici, Chiara Catozzi, Enrica Scalera, Giorgio Aquila, Francesca Stretti, Xabier Murgia, Francesca Ravanetti, Luisa Ragionieri, Roberta Ciccimarra, Matteo Zoboli, Gino Villetti, Maurizio Civelli, Francesca Ricci

In neonatal β ENaC-transgenic mice CF-like lung disease causes a dilatation of the conducting airways which increases until adulthood

Sanja Blaskovic (Bern, Switzerland), Pinelopi Anagnostopoulou, Florian Kronig, Elena Borisova, Dominik Schittny, Zhe Zhou-Suckow, Marcus A. Mall, Christian M. Schlepütz, Marco Stampanoni, Johannes C. Schittny

Maternal obesity increases reflex bronchoconstriction in adult offspring in a diverse outbred mouse model

Zhenying Nie (Portland, United States), Kayla Williams, Allison Fryer, David Jacoby, Alina Maloyan

Discussion and Q&A

Blue 1+2 **Session** **15:45 - 17:00**

Oral presentation: Imaging lung function in respiratory diseases

Disease(s) : **Airway diseases** **Respiratory critical care** **Interstitial lung diseases**

Method(s) : Imaging Pulmonary function testing Respiratory intensive care Physiology Pulmonary rehabilitation

Chairs : Sam Bayat (Grenoble, France), Francesca Pennati (Milano (MI), Italy)

Late Breaking Abstract - Systemic Determinants of Exercise Intolerance in Patients with Fibrosing Interstitial Lung Disease and a Severely Impaired DLCO

J. Alberto Neder (Kingston (ON), Canada), Reginald M. Smyth, Matthew D. James, Sandra G. Vincent, Kathryn M. Milne, Mathieu Marillier, Nicole J. Domnik, Christopher M. Parker, Juan P. De-Torres, Onofre Moran-Mendoza, Devin B. Phillips, Denis E. O'Donnell

Age, sex and lung volume dependence of 129Xe MRI gas exchange metrics

Guilhem Collier (Sheffield (South Yorkshire), United Kingdom), Laura Saunders, L J Smith, Kher Ng, James Grist, A J Swift, Helen Davies, Alexander Horsley, A A R Thompson, Emily Fraser, Fergus Gleeson, J M Wild

Ventilation heterogeneity from X-ray Velocimetry predicts COPD severity

Sarath Raju (Baltimore, United States), Kyle Grealis, Ernesto Gonzalez, Kinjal Nakrani, Tamas Otvás, Jason Kirkness, Andreas Fouras, Robert Wise, Naresh Punjabi, Trishul Siddharthan

Longitudinal change in lung physiology and 129Xe MRI over 1 year in patients with asthma and/or COPD

Helen Marshall (Sheffield (South Yorkshire), United Kingdom), Laurie Smith, Alberto Biancardi, Guilhem Collier, Ho-Fung Chan, David Capener, Jody Bray, Demi Jakymelen, Laura Saunders, Joshua Astley, Bilal Tahir, Ryan Munro, Olly Rodgers, Jimmy Ball, Paul Hughes, Smitha Rajaram, Andy Swift, Neil Stewart, Graham Norquay, Martin Brook, Leanne Armstrong, Latife Hardaker, Titti Fihn-Wikander, Rod Hughes, Jim Wild

Phenotypes of functional CT imaging predict clinical outcome in ARDS patients

Mehdi Shekarnabi (Villeurbanne, France), Florian Sigaud, Maxime Gaillet, Alicia Guillien, Emmanuel Roux, Touria Ahaouari, Edouardo Davila, Loic Boussel, Gilbert Ferretti, Hodane Yonis, Mehdi Mezidi, William Danjou, Alwin Bazzani, François Dhelft, Laure Folliet, Mehdi Girard, Valérie Siroux, Laurent Bitker, Nicolas Terzi, Maciej Orkisz, Jean-Christophe Richard, Sam Bayat

Hyperpolarised helium MRI in direct and indirect asthmatic airway challenge

Chuan Tai Foo (Victoria, Australia), Kris Nilsen, Bruce Thompson, Francis Thien

Fractal dimension analysis to assess ventilation heterogeneity associated with Long-COVID breathlessness

Minsuok Kim (Loughborough, United Kingdom), Jeongeun Hwang, James T. Grist, Gabriele Abueid, Soo Ho Yoon, Vincente Grau, Emily Fraser, Fergus V. Gleeson

Ventilation biomarkers derived by micro-CT (μ CT) quantify regional fibrosis progression and response to therapy in mouse

Francesca Pennati (Milano (MI), Italy), Erica Ferrini, Nicola Sverzellati, Davide Buseghin, Gino Villetti, Franco Fabio Stellari, Andrea Aliverti

COVID-19 associated ARDS: quantitative CT study from acute phase to 1-year follow-up

Chiara Milano (Monza, Italy), Bianca Corrà, Silvia Pagani, Stefania Raschi, Pierfranco Usai, Cristiano Bonacina, Roberta Cattaneo, Monica Bernareggi, Chiara Melacini, Serena Bencini, Martina Piluso, Francesca D'Arcangelo, Luca Parachini, Riccardo Ripamonti, Roberta Ciceri, Angela Brancaforte, Marcello Intotero, Paolo Scarpazza

Chest CT scan Pulmonary sequelae in ICU COVID-19 survivors

Jihene Ayachi (Kairouan, Tunisia), Haifa Sfar, Safa Ben Mansour, Yosri Ben Ali, Dhouha Ben Braiek, Hend Zorgati, Oussama Saadaoui, Rahma Ben Jazia, Amani Kacem, Anis Maatallah, Abderrahmen Daadoucha

Discussion and Q&A**Brown 3 Session 15:45 - 17:00****Oral presentation: Biomarker monitoring and severity classification in chronic obstructive pulmonary disease**

Disease(s) : Airway diseases

Method(s) : Physiology Pulmonary function testing General respiratory patient care Imaging

Chairs : Maarten van den Berge (Groningen, Netherlands)

Late Breaking Abstract - ECG-derived risk factors for adverse cardiopulmonary outcomes in COPD patients: IMPACT post hoc analysis

Raymond Wade (Birmingham, United States), Fernando J. Martinez, Gerard J. Criner, Lee Tombs, David A. Lipson, Mark T. Dransfield

The impact of blood eosinophil levels on in-hospital mortality in a large cohort of 960 hospitalized AECOPD patients

Emine Sena Dikmentepe Yilmaz (Izmir, Turkey), Yelda Varol

Fibrinogen as a biomarker of cardiovascular risk in COPD

Mairi MacLeod (London, United Kingdom), Andrew Ritchie, Dexter Wiseman, Lydia Finney, Aaron Braddy-Green, Hassan Shahbakhti, Ralph Lopez, Jordina Mah, James P Allinson, Gavin C Donaldson, Jadwiga A Wedzicha

Do distinct phenotypes of heart failure coexisting with COPD influence endothelial function?

Renata Gonçalves Mendes (Sao Carlos (SP), Brazil), Viviane Castello-Simões, Cássia Da Luz Goulart, Alessandro Domingues Heubel, Erika Zavaglia Kabbach, Nathany Souza Schafausser, Rodrigo Polaquini Simões, Meliza Goi Roscani, Audrey Borghi-Silva

Regional CT features for predicting rapid lung function decline in COPD

Kalysta Makimoto (Ajax, Canada), Meghan Koo, James Hogg, Jean Bourbeau, Wan Tan, Miranda Kirby

Expiration CT texture-based radiomics: a new biomarker for quantifying gas trapping in COPD

Meghan Koo (Markham, Canada), Ryan Au, Wan Tan, Jim Hogg, Jean Bourbeau, Miranda Kirby

Accuracy of the CAPTURE questionnaire for population-screening for COPD

Lancelot Pinto (Montréal (QC), Canada), Thakrar Dhara, Chawhan Ashwini

Long-term outcomes in patients with Pre-COPD or PRISm in NOVELTY

Eleni Rapsomaniki (Cambridge, United Kingdom), Rod Hughes, Barry Make, Ricardo Del Olmo, Alberto Papi, David Price, Laura Belton, Stefan Franzen, Jørgen Vestbo, Hana Müllerová, Alvar Agustí

FEV1/FVC severity stages for chronic obstructive pulmonary disease

Surya Bhatt (Birmingham, United States), Arie Nakhmani, Frank Sciurba, Matthew Strand, Edwin Silverman, Sandeep Bodduluri

Automatic oxygen control during admission with exacerbation of COPD - a multicenter randomised controlled trial

Ejvind Frausing Hansen (Hvidovre, Denmark), Charlotte Sandau, Jens-Ulrik Jensen, Lars Pedersen, Charlotte Suppli Ulrik

Discussion and Q&A**Yellow 1+2+3****Session****15:45 - 17:00****Oral presentation: New mechanisms and treatment strategies related to viral exposures****Disease(s) :** Airway diseases**Method(s) :** Cell and molecular biology Physiology**Chairs :** Anne M. van der Does (Leiden, Netherlands)**Late Breaking Abstract - Age and vitamin D influence airway epithelial cells response to SARS-CoV-2 infection**

Francesca Sposito (Liverpool, United Kingdom), Shaun Pennington, Christopher David, Jack Duggan, Sarah Northey, Giancarlo Biagini, Neill Liptrott, Amandine Charras, Paul Mcnamara, Christian Hedrich

Slower clearance of human rhinovirus in aged airway epithelial cells differentiated at air liquid interface

Jonathan Baker (London, United Kingdom), Hugo Ombredane, Shyreen Hassibi, Kazuhiro Ito

LSC - 2023 - Long-lasting alterations in lung anti-tumor immunity by viral infections

Lucia Rodriguez Rodriguez (Liege, Belgium), Alison Gillard, Celine Maquet, Remy Sandor, Justine Javaux, Didier Cataldo, Laurent Gillet, Benedicte Machiels

CC16 Induces Pulmonary Epithelial-Driven SPLUNC1 Expression by Signaling through VLA-2.

Julie Ledford (Tucson, United States), Natalie Iannuzo, Holly Welfley, Nicholas Li, Michael Johnson, Stefano Guerra, Xingnan Li, Darren Cusanovich, Paul Langlais

Repetitive rhinovirus infection primes for amplified IL-13 induced airway epithelial responses

Huan Ma (Borstel, Germany), Draginja Kovacevic, Holger Heine, Susanne Krauss-Etschmann

Clustering of bronchial epithelial immune response to a viral mimic identifies clinically recognizable viral exacerbation profiles.

Laurits Frøssing (Copenhagen NV, Denmark), Juan-Jose Nieto-Fontarigo, Samuel Cerps, Sangeetha Ramu, Mandy Menzel, Morten Hvidtfeldt, Ditte K. Klein, Asger Sverrild, Linda Uller, Celeste Porsbjerg

Comparison of rhinovirus A16 and C15 induced transcriptomic profiles in airway epithelia

Ben Kam San Wong (Hong Kong, Hong Kong), Yan Wang, Joseph G S Tusn, Louisa L Y Chan, Renee WY Chan

Airway autoimmunity in asthma is associated with an aggravated inflammatory response to viral stimulation of the bronchial epithelium

Lise Lotte Eriksen (Copenhagen NV, Denmark), Samuel Cerps, Laurits Frøssing, Morten Hvidtfeldt, Ditte Klein, Mandy Menzel, Manali Mukherjee, Parameswaran Nair, Juan Jose Nieto-Fontarigo, Sangheeta Ramu, Alexander Silberbrandt, Ager Sverrild, Lena Uller, Celeste Porsbjerg

Pirfenidone, an alternative treatment for viral-induced exacerbations?

Julia Chitty (Berwick, Australia), Bruce Montgomery, Philip Bardin, Jane Bourke, Belinda Thomas

Expression of an aldehyde-sensitive olfactory receptor in airway epithelial cells after rhinovirus challenge in asthma

Christy Prawiro (London, United Kingdom), Ranch Clemeno, David J Jackson, Hugo Farne, Sebastian L Johnston, Salman Siddiqui

Discussion and Q&A**Red 1+2****Session****15:45 - 17:00****Science slam: Science slam**

Aims : Four scientists will present their research in an entertaining way for a non-specialist audience. The audience will elect, by means of electronic voting, the 2023 Science Slam winner.

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Physician in Pulmonary Training, Scientist (basic, translational), Paediatrician, Medical Student, General practitioner

Chairs : Sara Cuevas Ocaña (Nottingham, United Kingdom), Thomas Gille (Bobigny, France)

15:45

15:55

16:05

16:15

PS-20 in poster area Session 16:00 - 17:30

Poster session: The many faces of interventional bronchoscopy

Disease(s) : Thoracic oncology Airway diseases Interstitial lung diseases Respiratory critical care Sleep and breathing disorders

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Respiratory intensive care Physiology
Pulmonary function testing

Chairs : Chair to be confirmed

Navigated transbronchial needle biopsy of mediastinal lymph nodes (Navi-TBNA)– a feasibility trial

Felix J.F. Herth (Heidelberg, Germany), Konstantina Kontogianni, Li Xu, Yu Li, Nansheng Wan, Xiaoping Wang, Guangnan Liu, Jing Feng, Ralf Eberhardt, Judith Brock, Frederik Trinkmann

Fiducial marker placement for stereotactic body radiotherapy via convex probe endobronchial ultrasound: a case series and preliminary results

Valentina Luzzi (Firenze (FI), Italy), Bianca Peixoto, Marco Trigiani, Luca Ciani, Leonardo Giuntoli, Mauro Loi, Sara Tomassetti

Evaluating the Accessibility and Puncturing Ability of the Thin Convex Probe Endobronchial Ultrasound Bronchoscope in Cadaver Models

Yuta Takashima (Sapporo, Japan), Naofumi Shinagawa, Masahiro Kashima, Hitoki Arisato, Daisuke Morinaga, Tomoo Ikari, Shotaro Ito, Kosuke Tsuji, Hirofumi Takahashi, Tetsuaki Shoji, Toshiaki Shichinohe, Satoshi Konno

Finding effective combination of advanced bronchoscopic techniques in diagnosing peripheral lung nodules

Bora Lee (Seoul, Republic of Korea), Hee Sang Hwang, Se Jin Jang, Sang Young Oh, Mi Young Kim, Chang-Min Choi, Young Ju Jung, Wonjun Ji

The beginnings of Radial Probe Endobronchial Ultrasound without a Guide-Sheath and fluoroscopy.

Yanira Chuquimia Mendoza (Leon, Spain), Javier Juan García, Carmen Lopez Garay, Elena Martin Gallego, Cristina Menendez Sanchez, Pablo Franco Suarez, Yolanda Ramos Alonso, Almudena Regidor Delgado, Patricia Giganto Alfageme, Milagros Blanco Fernandez, Lorena Rodríguez Casado, Luis Carazo Fernandez

Comparing the Diagnostic Yield of using Rapid On-Site Cytology Evaluation (ROSE) and without using ROSE in RP-EBUS Guided Sheath Transbronchial Lung Biopsy with Bronchial Brushing in Peripheral Pulmonary Lesions.

Kulchamai Silathapanasakul (Bangkok, Thailand), Thitiwat Sriprasart, Virissorn Wongsrichanalai

Electromagnetic navigation bronchoscopy for peripheral pulmonary lesions: An observational study. First experience.

Ana Reyes Pardessus Otero (Barcelona, Spain), Inés Podzamecz Valls, Albert Rafecas Codern, Ana Parera Ruiz, Marta Navarro Colom, Virginia Pajares Ruiz, Alfons Torrego Fernández

The role of Rapid On-Site Evaluation (ROSE) in diagnostic EBUS-TBNA procedures for stage IV lung cancer.

Marwah Almadhi (Manchester, United Kingdom), Haval Balata, Matthew Evison, Azita Rajai, Haider Al-Najjar

Nebulized Dexmedetomidine Prior to Flexible Bronchoscopy in Reducing Procedural Cough Episodes: A Randomized, Clinical Trial.

Lokesh Kumar Lalwani (Alwar, India), Pawan Kumar Singh, Dhruva Chaudhry

A randomised controlled trial of narrow-band imaging vs. white light bronchoscopy-guided endobronchial biopsy in suspected sarcoidosis (NABS)

Sahajal Dhooria (Chandigarh, India), Kritarth Rathi, Ritesh Agarwal, Nalini Gupta, Amanjit Bal, Ashutosh Nath Aggarwal

Pre-bronchoscopy screening for obstructive sleep apnea. The role of non-invasive mechanical ventilation

Katerina Bakiri (Cholargos, Attiki, Greece), Nektarios Anagnostopoulos, Kyriaki Cholidou, Evangelia Koukaki, Emmanuel Theodorakis, Sophia Schiza, Antonia Koutsoukou, Grigorios Stratakis

A retrospective analysis assessing prevalence of microbes in patients undergoing endobronchial valve (EBV) insertion for chronic obstructive pulmonary disease (COPD)

Francesca Conway (London, United Kingdom), Sara Buttery, Justin Garner, Marta Lenczewska, James Tonkin, Christopher Orton, Nicholas Hopkinson, Samuel Kemp, Pallav Shah

Physiological evidence of airway smooth muscle ablation by bronchial thermoplasty

Ynuk Bossé (Québec (QC), Canada), Cyndi Henry, Sabrina Biardel, Magali Boucher, Krystelle Godbout, Jamila Chakir, Andréanne Côté, Michel Laviolette

Interobserver agreement in the diagnosis of lower airway malacia by dynamic flexible bronchoscopy in children

Fazilcan Zirek (Ankara, Turkey), Gizem Özcan, Merve Nur Tekin, Beste Özsezen, Birce Sunman, Secahattin Bayav, Mukaddes Ağirtıcı, Batuhan Bakırarar, Ebru Yalçın, Nazan Çobanoğlu

High flow oxygen vs standard management during bronchoscopy in COPD patients – a randomised controlled trial

Andrei Darie (Basel, Switzerland), Leticia Grize, Kathleen Jahn, Anna Salina, Jonathan Röcken, Matthias Herrmann, Maria Pascarella, Vivian Suarez, Werner Strobel, Michael Tamm, Daiana Stolz

Development of New Lateral Forceps for Bronchoscopic Guide-sheath

Naofumi Shinagawa (Sapporo, Japan), Yuta Takashima, Koichiro Ito, Takayuki Tsukagoshi, Ryosuke Ito, Takeshi Suga, Hidenori Yoshida, Ryuji Nagamatsu, Tetsuhide Takeyama, Toshiaki Shichinohe, Satoshi Konno

The distance by virtual bronchoscopic navigation and lesion diameter were predictive of the diagnostic rates of primary lung cancer and Endobronchial ultrasonography with guide sheath (EBUS-GS) findings by bronchoscopy

Atsushi Kitamura (Tokyo, Japan), Yutaka Tomishima, Ryosuke Imai, Naoki Nishimura, Kohei Okafuji, Shosei Ro, Clara So, Tomoaki Nakamura, Torahiko Jinta

Bronchoscopic transparenchymal MP290F nodule access (BTPMNA): first in human case series of a novel procedure for sampling solitary pulmonary nodules

Hai Feng Ou Yang

Ultra-thin bronchoscopy with cone beam CT for small peripheral pulmonary lesions

Fumihiro Asano (Gifu, Japan), Tomoya Kato, Akifumi Tsuzuku, Atsunori Masuda, Anri Murakami, Akimasa Tsuchida, Yasutomo Baba, Yutaro Kuzunishi, Mayuka Miyoshi, Yuya Muto, Yui Sasaki, Rina Ota, Genta Otani

Ultra-thin cryoprobe: diagnostic and safety profile in peripheral pulmonary lesions

Sameer Arbat (Nagpur (Maharashtra), India), Bharat Agrawal

PS-13 in poster area**Session****16:00 - 17:30****Poster session: Cardiopulmonary exercise testing and pulmonary function assessment in pathology and COVID-19****Disease(s) :** Airway diseases Sleep and breathing disorders Pulmonary vascular diseases Interstitial lung diseases**Method(s) :** Physiology Pulmonary function testing Imaging Pulmonary rehabilitation Surgery Endoscopy and interventional pulmonology Epidemiology General respiratory patient care Public health**Chairs :** Justine Van den Hengel (Leusden, Netherlands), Bryn Williams (Bedfordshire, United Kingdom)**Evaluation of pulmonary function impairment in post-COVID patients: a single-center experience follow-up**

Noemi Suppini (Timisoara (Timis), Romania), Cristian Oancea, Daniel Traila, Diana Luminita Manolescu, Alexandru Catalin Motofelea, Alina Maran, Corina Maria Mocan, Ovidiu Fira-Mladinescu

Dysfunctional breathing induces vocal cord dysfunction following COVID-19 infection

Laurence Ruane (Clayton (VIC), Australia), Joo Koh, Malcolm Baxter, Paul Leong, Garun Hamilton, Philip Bardin

Is there correlation of the Distance Saturation Product with spirometric and Diffusion Capacity for Carbon Monoxide data in COVID-19 survivors?

Khouloud Kchaou (Sfax, Tunisia), Soumaya Khaldi, Balsam Barkous, Chaima Briki, Sirine Jamli, Saloua Ben Khamsa Jameleddine

Does diffusion ability of lungs return to normal after COVID-19?

Natalia Habshydz (Dnipro, Ukraine), Mariia Krykhtina, Liudmyla Konopkina, Tetyana Pertseva, Larysa Botvinikova

Comparison of severity of Covid infection in staff before and after vaccination.

Jayalakshmi T.Kutty (Mumbai (Maharashtra), India), Bhumika Madhav, Prakash Cherath, Narendra Patil, Prashant Khemani, Vibhasree A V, Gokul Bhate

Increased impairment of cardiopulmonary exercise by bilateral diaphragm dysfunction as compared to unilateral diaphragm dysfunction.

Patrick Jak (Diemen, Netherlands), Bart Boerrigter

Predictive value of CPET in identifying patients with chronic thromboembolic pulmonary hypertension (CTEPH).

David G. Parr (Coventry (West Midlands), United Kingdom), Joanna Shakespeare, Jason Burge, Sarah Shuker

Determination of the anaerobic threshold

Esther de Geus (Den Haag, Netherlands), Mart Van Der Plas

Comparative retrospective data research from normal values of VO2max in CPET with patient data in Meander Medisch Centrum, The Netherlands.

Justine Van den Hengel (Leusden, Netherlands), Anne Van As - Janssen

Can iso-time heart rate (ITHR) be used as an objective marker for demonstrating a positive improvement with ambulatory oxygen, using a pre-established blinded treadmill protocol?

Sara McArthur (Edinburgh (Edinburgh), United Kingdom), Shaun Baxter, Kristofor Cuthbert, Jill Macleod

The association of isolated small airways obstruction with cardiorespiratory fitness: A hospital-based study

Ben Knox-Brown (NEWMARKET, United Kingdom), Karl Sylvester, Andre Amaral

Validation of a treadmill protocol for cardiopulmonary exercise testing (CPET) in patients with COPD

Ann-Iren Holstad (Jessheim, Norway), Anita Grongstad, Christine Gudim Karlsen, Trine Stensrud, Anne Helene Edvardsen

Utility of CPET for the investigation of persistent breathlessness in post PE patients

David G. Parr (Coventry (West Midlands), United Kingdom), Joanna Shakespeare, Sarah Shuker, Jason Burge

Does pectus excavatum repair improve exercise responses? A comparison of cardiopulmonary exercise testing variables following surgical intervention.

Ian Cliff (Stoke-on-Trent, United Kingdom), Helen Stone, Naveed Mustfa, Christopher Satur

Biologic or mechanic quality control for cardiopulmonary exercise testing (CPET).

Manon Broekhuijsen - Godding (Lanaken, Belgium), Sami Simons

Determinants of respiratory function during inpatient rehabilitation after spinal cord injury

David Berlowitz (Melbourne (VIC), Australia), Gabi Mueller, David Gobets, Burkhard Huber, Xavier Jordan, Karin Postma, Anja Raab, Martin Schubert, Martin Brinkhof

Impact of mechanical ventilation on body composition in post-COVID: a cross-sectional study

Mildred Corina de la Concha Duarte (nezahualcoyotl, Mexico), Dulce González Islas, Arturo Orea Tejeda, Luz Jiménez Gallardo, Arturo Rodríguez Medina, Dalia Domínguez Moya, Aimeé Flores Vargas, Guiedani Galván Bautista, Pedro Carranza Muñoz, Nadia Hernández López, Rocío Sánchez Santillán, Ilse Pérez García, Angelia Jiménez Valentín, Diana Torres Gómez, Alan Ibarra Fernández

Utility of neurophysiological studies in the diagnosis of diaphragmatic paralysis as a cause of dyspnea. Experience in a Spanish hospital.

Luis Borderias Clau (Huesca, Spain), Ignacio Garrapiz, María Jesús Pablo, Isabel Benavente, Jorge Hurtado, Javier Garrapiz, Joaquín Cegoñino, Sandra García, Elena Briz

Cardiopulmonary exercise testing (CPET) in post COVID-19 exercise intolerance evaluation

Rita Enriquez (Montijo, Portugal), Susana Clemente, Sílvia Rodrigues, Liliana Gomes, Jorge Rosa, Inês Claro, Filipa Todo Bom

Late Breaking Abstract - Replication and validation of a rebreathing experiment to investigate post-COVID symptoms

Daniel Schaefer (Geretsried, Germany), Rudolf Jörres, Dennis Nowak, Omer Van Den Bergh, Katleen Bogaerts, Stefan Glasauer, Nadine Lehnen, Dina Von Werden

PS-3 in poster area**Session****16:00 - 17:30****Poster session: What's new in stem cell therapies and mechanisms underlying acute lung injury-acute respiratory distress syndrome****Disease(s) :** Airway diseases Respiratory critical care Interstitial lung diseases Pulmonary vascular diseases**Method(s) :** Cell and molecular biology Respiratory intensive care Physiology Imaging Pulmonary function testing**Chairs :** Anna Krasnodembskaya (Belfast (Belfast), United Kingdom), Chair to be confirmed**Late Breaking Abstract - Liraglutide attenuates sepsis-induced endothelial dysfunction and Acute Lung Injury**

Julie Bastarache (Nashville, United States), Brandon Baer, Nathan Putz, Kyle Riedmann, Samantha Gonski, Jason Lin, Lorraine Ware, Shinji Toki, Stokes Peebles, Katherine Cahill

Age related changes of the lung extracellular matrix stiffness and stem cell viability

Isaac Almendros (Barcelona, Spain), Maria Narciso, Anna Ulldemolins, Alicia Jurado, Daniel Navajas, Ramon Farré, Nuria Gavara

Lung Extracellular Matrix Hydrogels-Derived Vesicles Contribute to Epithelial Lung Repair

Isaac Almendros (Barcelona, Spain), Anna Ulldemolins, Alicia Jurado, Carolina Herranz-Diez, Nuria Gavara, Jorge Otero, Ramon Farré

ARDS disease-relevant cytokines alter human mesenchymal stromal cell (MSC) function

Sara Rolandsson Enes (Lund, Sweden)

MSCs are protective against 'second hit' injury during pulmonary sepsis in mechanically ventilated rodents.

Claire Masterson (Galway (Co Galway), Ireland), Ignacio Sallent, Lanzhi Liu, Hector Gonzalez, Sean Mc Carthy, Declan Byrnes, Senthil Alagesan, Juan Fandiño, Abigail Warren, Daniel O'Toole, John Laffey

Lipofibroblast derived-extracellular vesicles attenuate cigarette smoke-induced lung injury

Shota Fujimoto (Tokyo, Japan), Yu Fujita, Naoaki Watanabe, Sachi Matsubayashi, Hironori Kawamoto, Daisuke Takekoshi, Saburo Ito, Shunsuke Minagawa, Hiromichi Hara, Jun Araya, Kazuyoshi Kuwano

MSC Extracellular Vesicles ameliorate pre-mature epithelial senescence in ARDS through mitochondrial transfer

Johnatas Silva (Belfast (Northern Ireland), United Kingdom), Danny F McAuley, Cecilia O'Kane, Anna D Krasnodembskaya

Benefits of bronchial epithelial repair by iPSC in COPD

Marion Nadaud (Montpellier, France), Carine Bourdais, Aurélie Fort-Petit, John De Vos, Kheira Hireche, Isabelle Vachier, Engi Ahmed, Arnaud Bourdin

Adipose mesenchymal stem cells from COPD patients are capable of restoring elastase-induced emphysema in a murine experimental model

Aina Martín Medina (Palma, Spain), Carlos Río, Andreas K. Jahn, Alba Martina Calvo Bota, Ma Teresa De Francisco Casado, Pere Joan Pont Antona, Orlando Gigirey Castro, Ángel Francisco Carvajal, Cristina Villena Portella, Cristina Gómez Bellvert, Amanda Iglesias, Javier Calvo Benito, Antoni Gayà Puig, Luis A. Ortiz, Ernest Sala-Llinás

The sodium-coupled neutral amino acid transporter SNAT2 regulates alveolar epithelial cell homeostasis in acute lung injury/ARDS

Juliana Falivene (Berlin, Germany), Sarah Weidenfel, Wolfgang M. Kuebler

Dynamic doublecortin-like kinase 1 (DCLK1) expression on alveolar epithelial type II cells (AT2) in acute respiratory distress syndrome (ARDS) mouse model

Xiao-Yue Chen (New Taipei City, Taiwan), Ching Kao, Hsiao-Chi Chuang

Persistence of lung dysfunction in post-acute COVID-19: a microRNA approach

María C García-Hidalgo (Lleida, Spain), Jessica González, Manel Perez-Pons, Iván D Benítez, Marta Molinero, Thalía Belmonte, Carlos Rodríguez-Muñoz, Gerard Torres, Anna Moncusí-Moix, Clara Gort-Paniello, Jesús Caballero, Carme Barberà, Adrián Ceccato, Laia Fernández-Barat, Ricard Ferrer, Dario Garcia-Gasulla, José Ángel Lorente-Balanza, Rosario Menéndez, Ana Motos, Oscar Peñuelas, Jordi Riera, Jesús F Bermejo-Martín, Antoni Torres, Ferrán Barbé, David De Gonzalo-Calvo

Plasma NET markers kinetics in COVID-19 patients receiving immunomodulatory treatments: a cohort study

Renaud Prével (Bordeaux, France), Geoffrey Garcia, Antoine Dewitte, Sylvie Labrousche-Colomer, Christine Mouton, Céline Delassasseigne, Fanny Ménard, Camille Vincclair, Erwan Begot, Laurent Petit, Cédric Carrié, Didier Brönnimann, Denis Malvy, Alexandre Duvignaud, Chloé James

Lung lipid profile upon COVID-19-related Acute Respiratory Distress Syndrome

Paula Losada-Oliva (Madrid, Spain), Chiara Autilio, David Sanchez-Ortiz, Alvaro Mingote, Raquel Castejón Diaz, Gonzalo Hernandez, Gema Díaz Nuevo, Mercedes Echaide, Bárbara Olmeda Lozano, Clara Salas, Juan Antonio Vargas, Jesús Pérez-Gil

Late Breaking Abstract - Macrophage metabolic reprogramming mediated by carnitine palmitoyltransferase 1A in acute lung injury in an IL10-dependent manner

Muyun Wang (Shanghai, China), Kun Wang, Wei Gao, Qiang Li

A blood-based microRNA signature for the early prediction of the respiratory sequelae in critical COVID-19

Marta Molinero García (Lleida, Spain), Ivan D Benítez, Manel Perez-Pons, Nadia García-Mateo, Alicia Ortega, Tamara Postigo, María C García-Hidalgo, Thalía Belmonte, Carlos Rodríguez-Muñoz, Jessica González, Gerard Torres, Clara Gort-Paniello, Anna Moncusí-Moix, Angel Estella, Luis Tamayo Lomas, Amalia Martínez De La Gándara, Lorenzo Socias, Yhivian Peñasco, Maria Del Carmen De La Torre, Elena Bustamante-Munguira, Elena Gallego Curto, Ignacio Martínez Varela, María Cruz Martín Delgado, Pablo Vidal-Cortés, Juan López Messa, Felipe Pérez-García, Jesús Caballero, Jose M Añón, Ana Loza-Vázquez, Nieves Carbonell, Judith Marín-Corral, Ruth Noemí Jorge García, Carme Barberà, Adrián Ceccato, Laia Fernández-Barat, Ricardo Ferrer Roca, Dario Garcia-Gasulla, Jose Angel Lorente-Balanza, Rosario Menéndez, Ana Motos, Oscar Peñuelas, Jordi Riera, Jesús F Bermejo-Martín, Antoni Torres, Ferran-Eduard Barbe Illa

Serum collagen biomarkers are related to fatal outcome in patients with severe COVID-19 in a Phase II clinical trial

Helene Wallem Breisnes (Herlev, Denmark), Signe Holm Nielsen, Cecilie Bager, Diana Julie Leeming, Tony Cahn, Ciara O'Shea, Jack Siderfin, Kai Hove, Mark Layton, Anne-Christine Bay-Jensen, Jannie Marie Bülow Sand, Sumanta Mukherjee

Lung ECM composition, its influence factors and transcriptomics in the lungs of severe COVID-19.

Natália de Souza Xavier Costa (São Paulo, Brazil), Gabriel Ribeiro Júnior, Ellen Toledo Do Nascimento, Jôse Mara De Brito, Jhonatas Sirino Monteiro, João Carlos Setubal, João Renato Rebello Pinho, Roberta Verciano Pereira, Renata Aparecida De Almeida Monteiro, Amaro Nunes Duarte Neto, Paulo Hilário Nascimento Saldiva, Luiz Fernando Ferraz Da Silva, Marisa Dolhnikoff, Thaís Mauad

Long-term follow-up of neutrophil activation after severe-to-critical SARS-CoV-2 infection: a longitudinal study

Simon Valentin (Nancy, France), Véronique Regnault, Jean-Louis Guéant, Thery Abel, Patrick Lacolley, Frederic Schlemmer, Ari Chaouat, Francois Chabot, Rosa-Maria Gueant-Rodriguez

Histopathology of the lungs in the acute and post-acute period of severe COVID-19

Oleh Yakovenko (Lutsk, Ukraine), Sergej Griff, Stephanie Hoffmann, Alexandr Khanin, Tetiana Yakovenko

PS-1 in poster area**Session****16:00 - 17:30****Poster session: Precision rehabilitation**

Disease(s) : Airway diseases Interstitial lung diseases Respiratory critical care Sleep and breathing disorders Pulmonary vascular diseases

Method(s) : Pulmonary rehabilitation General respiratory patient care Public health Pulmonary function testing

Chairs : Chair to be confirmed

Development of an exercise adherence prediction model; a prospective cohort study

Ellen Ricke (Hillegom, Netherlands), Eric Bakker

Toward a personalized non-invasive ventilation support during exercise training in chronic obstructive pulmonary disease

Paulo Müller (Campo Grande (MS), Brazil), Tiago Augusto, Rodrigo Koch, Gisele Barbosa, Fernanda Dias, Erlandson Saraiva, Wolfram Windisch

Virtual pulmonary rehabilitation: Does one size fit all?

Oliver Smith (London, United Kingdom), Jennifer Kilduff, Eilinoir Davoren, Edoardo Castaneda, Daniel Bullock, Elisabetta Renzoni

The effectiveness of rehabilitation programs depending on the COPD risk group

Kostiantyn Shvets (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Oleksandr Varunkiv, Iryna Savelikhina, Mariana Kulynych-Miskiv, Galyna Korzh, Olga Molodovets, Nadiya Korzh, Uliana Shevchuk-Budz

Effect of adding motivational interventions to exercise training on health outcomes in patients with chronic respiratory diseases: a systematic review with meta-analysis

Adriana C. Lunardi (São Paulo (SP), Brazil), Cibele Marques Da Silva, Caroline Censo, Andrey Wirgues, Thiago Pinto, Eloise Arruda, Rafaella Xavier, Patricia Freitas, Celso Carvalho

The efficacy of remote pulmonary rehabilitation in the management of interstitial lung disease

Michael McGettrick (Glasgow (Glasgow), United Kingdom), Kirsty Murray, David Anderson

Prognostic implications of health-related quality of life in transthyretin amyloid cardiomyopathy

Christina Kronberger (Vienna, Austria), Michael Poledniczek, Robin Willixhofer, Nikita Ermolaev, Bernhard Cherouny, Theresa-Marie Dachs, René Retzl, Christina Binder-Rodriguez, Luciana Camuz-Ligios, Bernhard Gregshammer, Andreas Kammerlander, Johannes Kastner, Jutta Bergler-Klein, Franz Duca, Roza Badr Eslam

Six-minute Stepper Test to Set Pulmonary Rehabilitation Intensity in Patients with interstitial lung diseases

Clémence Roussel (Amiens, France), Tristan Bonnevie, Gaelle Tercé, Catherine Viacroze, Francis Edouard Gravier, Jean Sebastien Previnaire, David Debeaumont, Antoine Cuvelier, Jean Marie Grosbois, Elise Artaud Macari

Short- and longer-term effects of a digital behavioural modification intervention on physical activity outcomes in lung transplant recipients

Emily Hume (Newcastle Upon Tyne, United Kingdom), Hazel Muse, Kirstie Wallace, Mick Wilkinson, Karen Heslop Marshall, Arun Nair, Stephen Clark, Ioannis Vogiatzis

Predictors of success of pulmonary rehabilitation

Tomaz Hafner (Kranj, Slovenia), Anja Grošelj, Mitja Košnik, Julij Šelb, Anja Simonič, Tatjana Kosten, Tinkara Pirc Marolt, Peter Korošec

Experiences of individuals with Idiopathic Pulmonary Fibrosis (IPF) participating in Home-Based Pulmonary Rehabilitation (HBPR) in India: A Qualitative study

Humaira Hanif (Noida, India), Obaidullah Ahmed, James Manifold, Mohd Shibli, Zahira Ahmed, Dominic Malcolm, Andy Barton, Deepak Talwar, Sally J Singh, Mark Orme

Pulmonary rehabilitation is effective on exercise tolerance and mobility in frail ILD patients.

Didier Saey (Québec (QC), Canada), Pierre-François Tremblay-Labrecque, Geneviève Dion

Interventions to promote conventional pulmonary rehabilitation uptake post-acute exacerbation of chronic obstructive pulmonary disease: A systematic review

Bedor Alkhathlan (Leicester, United Kingdom), Munyra Alhotye, Neil Greening, Theresa Harvey-Dunstan, Sally Singh

The Effects of Neurophysiological Facilitation Techniques on Respiration in Stroke Patients

Çiçek Gunday (Istanbul, Turkey), Ali Enes Yasar, Gul Deniz Yilmaz Yelvar, Yasemin Buran Cirak, Nurgul Durustkan Elbasi, Habibe Serap Inal

Is Pulmonary Rehabilitation equitable across different populations?

Enya Daynes (Leicester, United Kingdom), Sarah Ward, Jakub Zakloutal, Linzy Houchen-Wolloff, Nikki Gardiner, Sally Singh

Applying human factors to understand the needs of people living with COPD

Marta Lombardini (Parma, Italy), Nicola Scichilone, Ilaria Milesi, Francesco Bianchi, Giulia Marengi, Chris White, Andrew Whittamore

Pulmonary rehabilitation in Systemic sclerosis.

Sara Ramponi (Cingia de' Botti (CR), Italy), Maurizio Marvisi, Alberto Baiguera, Andrea Romani, Silvia Faverzani, Chiara Mancini, Laura Bazlarini

Characteristics of pulmonary rehabilitation programmes and their effects on exercise capacity and quality of life in patients with interstitial lung diseases: a systematic review and meta-analysis

Jaime Ricardo Jimenez Salazar (Edinburgh, United Kingdom), Fatim Tahirah, Nazim Uzzaman, Ranita Hisham, Nik Zawani, Hilary Pinnock, Nikhil Hirani, Roberto Rabinovich

Challenges in screening for COPD and recruiting to community-based pulmonary rehabilitation (PR) in an economically deprived area of Jodhpur, India.

Mahendra Thakor (Jodhpur, India), Vishal Singh, Pankaj Bhardwaj, Nishant Kumar Chauhan, Mark Orme, James Manifield, Amy Barradell, Zahira Ahmed, Andy Barton, Arun Kumar Sharma, Sally Singh

Needs assessment for introducing Pulmonary Rehabilitation for Chronic Obstructive Pulmonary Disease management in a rural Indian setting: a qualitative study

Dhiraj Agarwal (Pune (Maharashtra), India), Diksha Singh, Harshpreet Kaur, Sudipto Roy, Sanjay Juvekar, Hilary Pinnock

PS-16 in poster area**Session****16:00 - 17:30****Poster session: Pneumonia****Disease(s) :** Airway diseases**Method(s) :** Epidemiology General respiratory patient care Imaging Endoscopy and interventional pulmonology Public health
Respiratory intensive care Cell and molecular biology**Chairs :** Eva Van Braeckel (Ghent, Belgium), Chair to be confirmed**Impact of pneumococcal vaccination in treating elderly patients with hospitalized community-acquired pneumonia**

Moonjin Kim (Seoul, Republic of Korea), Seohyun Kim, Tai Joon An, Jeong Uk Lim, Chan Kwon Park, Hyoung Kyu Yoon

Rapid PCR (BIOFIRE)- A paradigm shift in management of pneumonia

Beauty Biswas (West Bengal, India), Amrita Bhattacharyya, Raja Dhar, Somnath Bhattacharya, Saikat Pal, Deep Narayan Mukherjee

Early appropriate antimicrobial treatment guided by BioFire FilmArray may attenuate systemic inflammatory response in VA-LTRI patients

Andrea Palomeque Flores (BARCELONA, Spain), Nona Rovira-Ribalta, Alba Soler, Leticia Bueno Freire, Anna Motos, Rubén López-Aladid, Enric Barbeta, Joan Canseco, Miriam Villanueva, Nil Vázquez, Antoni Torres*, Laia Fernández-Barat

Poor prognostic factors in acute community-acquired pneumonia

Alaeddine Radhouani (Ariana, Tunisia), Chirine Moussa, Houda Rouis, Mehdi Abdenadher, Faten Mhiri, Amel Khattab, Ibtihel Khouaja, Ines Zendah, Sonia Maalej

Association between HRCT image findings of aspiration pneumonia and elevated bronchoalveolar lavage amylase and pepsin

Tomoko Suzuki (Iruma-gun, Japan), Miwako Saitou, Yuka Utano, Kenichi Utano, Katsunao Niitsuma

Value of soluble urokinase plasminogen activator receptor (sUPAR) for predicting severity of community-acquired pneumonia (CAP)

Lisa Hessels (Alkmaar, Netherlands), Ruud Duijkers, Marianne Schoorl, Lotte Terpstra, Willemien Thijs, Wim Boersma

Development of a new prognostic score to predict pneumonia outcomes using artificial intelligence-based chest radiograph results

Eun Hye Lee (Seoul, Republic of Korea), Ji Soo Choi, Hyun Joo Shin, Kyunghwa Han, Eun Kyung Kim

Exposure to antimicrobials and microbiological yields from bronchoscopy in immunocompromised patients, a single-centre two-year experience.

Albert Teng (Singapore, Singapore), Deshawn Tan, Kundan Reddy Saripalli, Timothy Toh, Youxin Puan, Brian Chua, Isaac Fong, Yi Hern Tan

COMMUNITY-ACQUIRED PNEUMONIA: RISK AND PROGNOSIS

Rano Nalibaeva (Tashkent, Uzbekistan), Irina Liverko

Clinical utility of routine bronchoscopic secretion sampling for microbiological and multiplex PCR during bronchoscopy

Christopher Milacek (Wien, 05. Bezirk, Margareten, Austria), Marco Idzko, Daniela Gompelmann

Results of microbiome analyses on bronchoalveolar lavage (BAL) sample

Katarina Pontoppidan (Southampton, United Kingdom), Christian Niels Meyer, Xiaohui C Nielsen, Jens J Christensen, Henrik Vedel Nielsen, Kurt Fuursted, Christian S Jensen

BACTEREMIA PREDICTION IN PNEUMOCOCCAL PNEUMONIA: A COMPARATIVE STUDY OF 2 SCORES

Leyre Serrano Fernandez (Bilbao (Bizkaia), Spain), Luis Alberto Ruiz Iturriaga, Silvia Perez-Fernandez, Pedro Pablo España Yandiola, Catia Cilloniz, Ainhoa Gomez Bonilla, Edurne Echeverria Guerrero, Beatriz Gonzalez Quero, Ane Uranga Echeverria, Antoni Torres Martí, Rafael Zalacain Jorge

Impact of absence of an early circulating neutrophil count expansion on outcome of patients with community-acquired pneumococcal pneumonia

Luis Alberto Ruiz Iturriaga (Barakaldo (Vizcaya), Spain), Leyre Serrano Fernandez, Silvia Perez-Fernandez, Sonia Castro Quintas, Amaia Urrutia Gajate, Edurne Echevarria Guerrero, Beatriz Gomez Crespo, Ainhoa Gomez Bonilla, Pedro Pablo España Yandiola, Rafael Zalacain Jorge

Microbiology, appropriateness of empiric antibiotics and clinical outcome of hospital-acquired pneumonia in the era of multidrug-resistant *Acinetobacter baumannii*

Myung Goo Lee (Chuncheon, Republic of Korea)

Comorbidity-based distribution of pneumococcal serotypes in Greek adults hospitalized with community-acquired pneumonia (CAP)

Adamadia Liapikou (Athens, Greece), Vasiliki Kossyvak, John Skiadas, Eleftherios Markatis, Damianos Menegas, Cristina Méndez, Claudia Schwarz, Maria Lahuerta, Elizabeth Begier, Bradford D. Gessner, Haralampos Milionis, Vasilios Tsimihodimos, Konstantinos Kostikas, Athanasios Konstantinidis, Gerasimos Baxevanos, Charalampos Triantafyllidis, Theodora Argiriadou, Chrysavgi Terrovitou, Daniil Daniilidis, Paraskevi Katsaounou, Michael Toubis, T. Egnatia Study Group

Association of C-reactive protein with glycaemia and insulin resistance in patients with community-acquired pneumonia – a prospective, observational cohort study

Arnold Dzung (Copenhagen, Denmark), Camilla Koch Rysør, Maria Hein Hegelund, Adin Sejdic, Andreas Vestergaard Jensen, Peter Lommer Kristensen, Rikke Krogh-Madsen, Christian Ritz, Daniel Faurholt-Jepsen, Birgitte Lindegaard

Phenotypes of Hospitalized Patients with Pneumonia

Daniel Knox (Murray, United States), Jason Carr, Simon Brewer, Samuel Brown, Nathan Dean, Ithan Peltan

Altered sphingolipid metabolism in community acquired pneumonia

Kurt Gerhard Stollberg (Jena, Germany), Ha-Yeun Chung, Dirk K. Wissenbach, Marc-Thilo Figge, Frank T. Peters, Martin Witznath, Markus H. Gräler, Mathias W. Pletz, Ralf Alexander Claus, . Capnetz-Study Group

CLINICAL MANAGEMENT OF PNEUMONIA VERSUS RECOMMENDATIONS OF THE SEPAR GUIDELINES.

Javier Sánchez Masa (Palencia, Spain), María Inés Salazar Lozano, Ana Pérez Dublang, María Ángeles Escobar Valero, Sara Barakat Fernández, María Beatriz Cartón Sánchez, Andrea Crespo Sedano, Esther Alonso Sastre, Enrique Alonso Mallo, Alba Daniela García Molina, María Irene Alaejos Pascua, Ana María Andrés Porras, Francisco Javier Pagán Buzo, Ana Villacorta Soto, María Gloria Galindo Laso

The clinical significance of anaerobic coverage in the antibiotic treatment of aspiration pneumonia: a systematic review and meta-analysis

Yuki Yoshimatsu (London, United Kingdom), Masaharu Aga, Kosaku Komiya, Shusaku Haranaga, Yuka Numata, Makoto Miki, Futoshi Higa, Kazuyoshi Senda, Shinji Teramoto

PS-5 in poster area

Session

16:00 - 17:30

Poster session: Advancements in asthma management: holistic and personalised insights

Disease(s) : Airway diseases**Method(s) :** Cell and molecular biology General respiratory patient care Physiology Epidemiology Pulmonary function testing
Public health**Chairs :** Job F.M. van Boven (Groningen, Netherlands), Zuzana Diamant (Lund, Sweden)**Induced sputum is a simple examination in relation to the diagnosis of eosinophilic asthma.**

Lene Mølgaard Pedersen (Skanderborg, Denmark), Helle Haagenen Andersen, Torben Smidt-Hansen, Johannes Martin Schmid

Therapeutic drug monitoring of inhaled drugs in hair of patients with asthma: a proof-of-concept study

Stanislas Grassin Delye (Montigny le Bretonneux, France), Hélène Salvator, Stanislas Delye, Camille Roquencourt, Françoise Lambinet, Emmanuelle Bardin, Philippe Devillier

Serum inhaled corticosteroid levels in patients with severe asthma.

Yik Lam Pang (Nottingham, United Kingdom), Mohammad Ali, Stephen J Fowler, Brian Keevil, Tricia McKeever, Ian Sayers, Dominick E Shaw

Effects of hormonal fluctuations during the menstrual cycle on asthma

Samia Aissani (Algiers, Algeria), Houria Haouichat, Ali Zitouni

Interpretation and clinical significance of multiple-flows exhaled nitric oxide in severe asthma framework

Simona Luzzi (Siena, Italy), Lorenzo Alderighi, Tommaso Pianigiani, Beatrice Perea, Maddalena Messina, Martina Meocci, Laura Bergantini, Miriana D'Alessandro, Elena Bargagli, Paolo Cameli

Lung function response to inhaled glucocorticoids in smoking patients with adult-onset asthma

Karoliina Lehtola (TAMPERE, Finland), Minna Tammola, Iida Vähätalo, Leena Tuomisto, Onni Niemelä, Pinja Ilmarinen, Hannu Kankaanranta

Steroid weaning service evaluation for patients with severe eosinophilic asthma

Natalie Farmer (Leeds, United Kingdom), Rashad Salman, Ian Clifton, Jampa Choedon, Jane Slough

An online survey on Italian patients' and physicians' perspectives on the management of asthma

Deborah Vannucci (Verona, Italy), Maria Sandra Magnoni, Fabio Arpinelli, Giorgio Walter Canonica

Our experience of Dupilumab and maintenance oral corticosteroid use in severe adult atopic dermatitis associated to severe asthma.

Bashir Omarjee (Saint-Denis (La Réunion), Reunion), Bernard Gregoire Krikorian, Patrick Gros

Change in FEV1 as early predictor of response to biological therapy in patients with severe uncontrolled asthma.

Sabina Perello Rosello (Palma De Mallorca, Spain), Mireia Vicens Antón, Nuria Toledo Pons, Jose Luis Valera Felices, Rocío Martínez Martínez, Meritxell López Zamora, Amanda Iglesias Comas, Aina Rosa Millan Pons, Francisco De Borja García-Cosío Piqueras

Under-treated asthma in adults – a common problem

Caroline Stridsman (Luleå, Sweden), Jon R Konradsen, Stina Selberg, Maria Ödler, Apostolos Bossios

Switching patients to maintenance and reliever therapy in the Emergency Department? - A qualitative study exploring the attitudes and beliefs of patients and healthcare professionals

Imogen Skene (London, United Kingdom), Katy Pike, Chris Griffiths, Liz Steed, Paul Pfeffer

ORBE II study: Is rapid response to benralizumab associated with positive long term clinical outcomes?

Pilar Ausin Herrero (Barcelona, Spain), Eugenia Navarrete, Jose Luis Velasco, Álvaro Martínez, Carmen Cañete, Fernando Sánchez Toril, Mónica Santin, Marta Gonzalez, Javier Nuevo, Elisa Luzón, Alicia Padillo

Dupilumab in Asia-Pacific patients with persistent asthma

QingLing Zhang (Guangzhou, China), Zhong Nanshan, Sahajal Dhooria, Xiuhua Fu, Jie Lin, Wen Li, Elizabeth Laws, Leda P. Mannent, Yi Wang, Vivian Li, Anderson Li, Chih-Chi Hu, David J. Lederer, Raolat M. Abdulai, Lacey B. Robinson

The impact of baseline Asthma Control Test score on severe asthma Super-Responders assessment.

Ernesto Lulaj (Bari, Italy), Leonardo Maselli, Ilaria Iorillo, Andrea Portacci, Alessio Marinelli, Francesca Montagnolo, Giuseppe Di Gioia, Maria Rosaria Vulpi, Agnese Caringella, Silvano Dragonieri, Giovanna Elisiana Carpanano

Patients-Healthcare providers agreement on Super-Response to biologic treatments in Th2-high severe asthma

Leonardo Maselli (Acquaviva delle Fonti, Italy), Ilaria Iorillo, Ernesto Lulaj, Andrea Portacci, Alessio Marinelli, Francesca Montagnolo, Flogerta Sana, Giovanni Dalena, Laura Cuccaro, Maria Anna Ardito, Silvano Dragonieri, Giovanna Elisiana Carpanano

Reducing short-acting beta-agonist (SABA) use in asthma: findings from SENTINEL Plus early adopter sites

Michael Crooks (East Riding of Yorkshire, United Kingdom), Dominic Sykes, Helena Cummings, Alyn Morice, Samantha Brooks, Arthur Jackson, Yang Xu

Baseline characteristics of patients with asthma and prior systemic corticosteroid use in the RAPID (dupilumab) registry

Enrico Marco Heffler (Milano, Italy), Njira L. Lugogo, Vicente Plaza, Ole Hilberg, Changming Xia, Scott Nash, Nami Pandit-Abid, Juby A. Jacob-Nara, Harry Sacks, Paul J. Rowe, Yamo Deniz, Megan Hardin, Xavier Soler

Clinical characteristics of responders and non-responders: experience following four years of Benralizumab therapy

Amy Nuttall (Liverpool, United Kingdom), Fred Fyles, Hannah Joplin, Hassan Burhan, Laura Watkins

Albuterol-budesonide asthma rescue inhaler: patterns of as-needed use

Alberto Papi (Cona, Ferrara, Italy), Bradley Chipps, Frank Albers, Lynn Dunsire, Ileen Gilbert, Tim Harrison, Frank Trudo, Mark Weinberg, Christy Cappelletti

PS-6 in poster area**Session****16:00 - 17:30****Poster session: "Inflammometry" in asthma and chronic obstructive pulmonary disease****Disease(s) :** Airway diseases**Method(s) :** Pulmonary function testing Epidemiology Physiology Public health Pulmonary rehabilitation Cell and molecular biology Imaging General respiratory patient care**Chairs :** Giuseppe Guida (ORBASSANO (TO), Italy)**Validation of exhaled-breath data for the differentiation between COPD and Asthma**

Jonathan Röcken (Basel, Switzerland), Andrei Darie, Aline Stalder Siebeneichler, Maria Pascarella, Leticia Grize, Michael Tamm, Daiana Stolz

Assessment of eosinophilic airway inflammation using formalin-fixed, paraffin-embedded sputum plugs

Zil Patel (Ottawa, Canada), Nadia Suray Tan, Alex Huynh, Nicola Calma, Katherine Radford, Snehal Somalwar, Chynna Huang, Melanie Kjarsgaard, Anmar Ayoub, Parameswaran Nair, Manali Mukherjee

Small airway obstruction according to emphysema severity in human lungs

Vincent Geudens (Leuven, Belgium), Charlotte De Fays, Astrid Vermaut, Lynn Willems, Janne Kaes, Tinne Goos, Marie Vermant, Iwein Gyselinck, Lucia Aversa, Hanne Beeckmans, Xin Jin, Charlotte Hooft, Janne Verhaegen, Gitte Aerts, Pieterjan Kerckhof, John E. McDonough, Rozenn Quarck, Stephanie Everaerts, Birgit Weynand, Charles Pilette, Dirk E. Van Raemdonck, Laurens J. Ceulemans, Wim A. Wuyts, Robin Vos, Wim Janssens, Bart M. Vanaudenaerde, Ghislaine Gayan-Ramirez

Sputum viscosity is correlated with Computed Tomography (CT) mucus score in muco-obstructive lung diseases

Jérémy Charriot (Montpellier Cedex 5, France), Aurélie Petit, Carey Suehs, Jérémy Patarin, Eric Matzner-Lober, Isabelle Vachier, Nicolas Molinari, Arnaud Bourdin

CORRELATION BETWEEN SYSTEMIC INFLAMMATION AND CARDIOVASCULAR RISK IN COPD PATIENTS. DEVELOPMENT OF AN INFLAMMATORY SCORE

Ana Muñoz Montiel (Malaga, Spain), Pedro Ruiz Esteban, Natalia García Florido, Esperanza Doña Díaz, Adolfo Domenech Del Río, Casilda Oliveira Fuster

The pH of the human airway: A novel technique to measure distal airway pH.

Olivia Giddings (Cleveland, United States), Homer Twigg, Nadzeya Marozkina, Kristie Ross, Laura Smith, Benjamin Gaston, Michael Davis

Assessing airway inflammation in chronic lung disease – Neutrophil protease activity and sputum macrorheology as potential inflammatory biomarkers.

Hannah Nussstein (Berlin, Germany), Laura Schaupp, Mirjam Völler, Urbantat Ruth Maria, Tattersall-Wong Janette, Röhm Jobst, Mall Marcus

Sputum rheology measurements in chronic respiratory diseases are similar across specialist centres

Gaël Tavernier (Manchester (Greater Manchester), United Kingdom), Taqdees Qureshi, Mathilde Volpato, Isabelle Vachier, Marion Wood, Furkan Zurel, David Thornton, Matthieu Robert De Saint Vincent, Jeremy Patarin, Robert Lord, Stephen Fowler, Jeremy Charriot

Air pollution and influence of deleterious levels of atmospheric nitrogen dioxide in the development of asthma

India Premjithlal Bhaskaran (London, United Kingdom), Arya Premjithlal Bhaskaran, Anusuya Premjithlal Bhaskarn, Premjithlal Bhaskaran

Abnormalities of sputum rheological characteristics in patients with chronic cough and bronchial asthma

Kazuhiro Ito (London, United Kingdom), Haruhiko Ogawa, Yuka Uchida

The role of vitamin D in COPD.

Gulchekhra Tashmetova (Tashkent, Uzbekistan), Irina Liverko

Sputum rheology is associated with asthma control

Gaël Tavernier (Manchester (Greater Manchester), United Kingdom), Taqdees Qureshi, Furkan Zurel, Leanne Holmes, Lynn Elsey, David Thornton, Stephen Fowler, Thomas Pantin

The prevalence of and risk factors for non-smoking chronic obstructive pulmonary disease in China: A systematic review and meta-analysis

Yue Zhang (Beijing, China), Xiaoyan Gai, Hongling Chu, Jingge Qu, Liang Li, Yongchang Sun

Serum vitamin D binding protein in Japanese patients with COPD, asthma and ACO.

Kenya Koyama (Koshigaya, Japan), Akemi Koyama, Masahiro Irokawa, Ryo Kitajima, Hisanori Hirokawa, Kentaro Nakano, Hiroyoshi Watanabe, Mayuko Ohashi, Tomoshige Wakayama, Shingo Tokita, Ryosuke Souma, Hideyuki Satoh, Yasutsugu Fukushima

EFFECT OF FOOD INTAKE ON EXHALED VOLATILE ORGANIC COMPOUNDS ANALYZED BY AN E-NOSE.

Silvano Dragonieri (Bari (BA), Italy), Marcin Di Marco, Madiha Ahroud, Vitaliano Nicola Quaranta, Andrea Portacci, Enrico Buonamico, Fabrizio Diaferia, Marco Antonio Patruno, Giovanna Elisiana Carpagnano

Characterization of eosinophilic inflammation in a Portuguese bronchiectasis cohort

Mariana Maia e Silva (Lisboa, Portugal), Margarida Pereira, Carlos Lopes

Exhaled nitric oxide in patients with severe alpha-1-antitrypsin deficiency

Eduarne Echevarría Guerrero (Barakaldo, Spain), Laura Cortezón Garcés, Jone Solorzano Egurbide, Imanol González Muñoz, Elena Garay Llorente, Patricia Sobradillo Ecenarro, Maria Del Mar Mayor Álvarez, Borja Santos Zorroza, Eva Tabernero Huguet

Could we predict chronic obstructive pulmonary disease (COPD) exacerbation based on neutrophil to lymphocyte count ratio (NLR)?

Radmila Dmitrovic (Belgrade, Republic of Serbia), Biljana Lazovic, Isidora Simonovic, Ivan Zivotic

Effect of acute changes in ambient air pollutants on lung volumes, capacities and respiratory impedance in healthy individuals

Geetanjali Bade (New Delhi (Delhi), India), Amulya Gupta, K Shanmugasundaram, Anjana Talwar, Kumar Nischay Jaiswal

Late Breaking Abstract - A point of care (POC) exhaled breath to diagnose asthma

Victor Higgs (London, United Kingdom), Hanya Ahmed, Jona Angelica Flavie

PS-17 in poster area**Session****16:00 - 17:30****Poster session: Unravelling diagnostic and treatment modalities in lung cancer****Disease(s) :** Thoracic oncology Airway diseases**Method(s) :** Endoscopy and interventional pulmonology General respiratory patient care Imaging Surgery Public health**Chairs :** Angshu Bhowmik (Barnet (Hertfordshire), United Kingdom), Andrew Creamer (Bristol (Avon), United Kingdom)**Assessing the ability of MRI in lung cancer mediastinal staging: rationale and preliminary results**

Francesco Bertuccio (Pavia, Italy), Paolo Cossetta Reposi, Alice Lionetti, Laura Saracino, Stefano Tomaselli, Chandra Bortolotto, Angelo Guido Corsico, Giulia Maria Stella

Slow-pull versus suction technique: comparison of diagnostic yield (DY) and sample adequacy (SA) between two different EBUS-TBNA sampling methods.

Filippo Lanfranchi (Venice, Italy), Gioele Castelli, Laura Mancino, Gabriele Foltran, Licia Laurino, Lorenzo Nicolè, Lucio Michieletto

Rapid on-site evaluation (ROSE) by a trained pulmonologist, is it possible?

Juan Francisco De Mesa Alvarez (Madrid, Spain), Carlos Disdier Vicente, Blanca De Vega Sanchez, Álvaro Pérez Rodríguez, Soraya Fernandez Gay, Esperanza Guzman Ansado, Norman Andres Villamagua Arias

Sarcoid-like granulomatous inflammation in the setting of underlying malignancy: endobronchial ultrasound registry-based report and a call for caution

Grgur Salai (Zagreb, Croatia), Robert Gecevic, Tajana Stoos Veic, Divo Ljubicic

Feasibility using bronchoscopic specimens for next-generation sequencing in resectable non-small lung cancer

Kaito Yano (Tokyo, Japan), Yuji Matsumoto, Hideaki Furuse, Keigo Uchimura, Tatsuyuya Imabayashi, Takaaki Tsuchida

Role and performance of bronchoscopy with cytologic samplings in lung cancer

Laetitia Amar (Montreal, Canada), Ping Shi Zhu

Is the slim bronchoscope the right compromise between ultra thin and conventional bronchoscopy for peripheral pulmonary lesions (PPLs)?

Filippo Lanfranchi (Venice, Italy), Laura Mancino, Lorenzo Nicolè, Licia Laurino, Lucio Michieletto

Pleural complications of ablation for lung tumours: a single-centre experience

Poppy Denniston (London, United Kingdom), Kate Brackenborough, Alex Brodey, Beenish Iqbal, Dinesh Addala, Suzy Guo, Paul Lyons, John Wrightson, Mark Anderson, Najib Rahman

The clinical feature and optimal treatment strategy of bone metastasis in EGFR mutated NSCLC patients

Wen-Chien Cheng (Taichung, Taiwan), Wei-Chun Chen, Chieh-Lung Chen, Wei-Chih Liao, Chih-Yen Tu, Te-Chun Hsia, Hung-Jen Chen, Chia-Hung Chen

Pulmonary inflammatory myofibroblastic (IMT) of 5 cases: CT and FDG-PET findings and review of the literature

Joosung Sun (Suwon, Republic of Korea)

The Effects of Geographical Variation on Radical Treatment Rates in Lung Cancer

Richard Cooper (Malpas, United Kingdom), Buddug Eckley, Jack Barrington, Daniel Menzies

Resection rates in early-stage lung cancer in an Australian regional centre

Manoj Thogesan (Newcastle, Australia), Krishobhan Baskaran, Christian Stolz, Vineeth George

Pancoast tumor: surgical management

selma madhi (Ariana, Tunisia), Imen Bouassida, Mahdi Abdennadher, Hazem Zribi, Amina Abdelkebir, Ines Moussa, Adel Margheli

Mortality and recurrence following surgically treated primary lung malignancy

Yvette Farrugia (Zurrieq, Malta), Darlene Mercieca, Peter Fsadni

Multidisciplinary enhanced recovery protocol pathway (ERPP) in lung cancer surgical resections; a tertiary centre experience

Ioannis Karampinis (Athens, Greece), Georgia Hardavella, Ioannis Kyritsis, Nikolaos Anastasiou

Prognostic factors for patients operated on for a IIAN2 non-small cell lung cancer: A retrospective study

AHMED BAKHTI (Nabeul, Tunisia), Mahdi Abdennadher, Hazem Zribi, Amina Abdlekbir, Sonia Ouerghi, Mouna Mlika, Sarra Zairi, Adel Marghli

Treatment outcome and safety of concurrent chemoradiation in elderly patients with unresectable Stage III non-small cell lung cancer

So Jeong Kim (Hwaseong, Republic of Korea), Na Young Kim, Soojie Chung, Jeong-Hee Choi, In Gyu Hyun, Junghyun Kim

Endobronchial brachytherapy (EBBT) as palliative treatment in metastatic endobronchial disease from distant organs. Experience of an Oncological Hospital during the last decade.

Danai Bisirtzoglou (Athens, Greece), Thaleia Gioxari, Konstantina Papalla, Athanasios Zetos, Ira Michailidou, Vasiliki Petta, Georgios Politis

Clinical study of AERO stent placement for malignant airway stenosis in Okayama Medical Center

Kenichiro Kudo (Okayama, Japan), Ken Sato

Diagnostic and therapeutic approach of rare thoracic tumors

Hanene Smadhi (Manouba, Tunisia), Sabrine Elfidha, Hadhemi Rejeb, Hela Kamoun, Bochra Karaborni, Chaima Djenayah, Ines Akrou, Dorra Greb, Hajer Benabdelghaffar, Hela Hassen, Leila Fekih, Mohamed Lamine Megdiche

PS-18 in poster area

Session

16:00 - 17:30

Poster session: Pulmonary fibrosis: miscellaneous**Disease(s) :** Interstitial lung diseases Airway diseases Respiratory critical care**Method(s) :** Epidemiology Pulmonary function testing General respiratory patient care Cell and molecular biology Palliative care Imaging Physiology Pulmonary rehabilitation Surgery Public health**Chairs :** Esther Jeritza Nossent (Amsterdam, Netherlands)**Virtual pulmonary rehabilitation for people with idiopathic pulmonary fibrosis: a mixed methods feasibility study**

Orlagh O'Shea (Belfast (Belfast), United Kingdom), Grainne Murphy, Luke Forde, Katherine O'Reilly

Physical activity measurement with questionnaire in idiopathic pulmonary fibrosis

Patrick Hurley (Barcelona, Spain), Diana Badenes Bonet, Anna Rodó-Pin, Diego Castillo-Villegas, Vanesa Vicens-Zygmunt, Guadalupe Bermudo, Fernanda Hernández-González, Karina Portillo, Juana Martínez-Llorens, Anna Herranz, Roberto Chalela, Jacobo Sellarés, Maria Molina-Molina, Xavier Duran, Joaquim Gea, Diego Rodríguez-Chiaradia, Eva Balcells

IS THE PORTABLE CONCENTRATOR THE BEST SOLUTION TO CORRECT EXERCISE OXYGEN DESATURATION?

Ariadna Farre Maduell (Barcelona, Spain), Ana Alonso, Patricia Peñacoba, Fatima Morante, Maria Rosa Güell

Association between smoking and prognosis in patients with idiopathic pulmonary fibrosis

Min Jee Kim (Seoul, Republic of Korea), Hee-Young Yoon, Hoseob Kim, Yoonjong Bae, Jin Woo Song

Interstitial lung disease increases the risk of severe COVID-19 infection; a retrospective registry-based epidemiological study of the entire adult Swedish population

Emil Ekblom (Uppsala, Sweden), Christer Jansson, Andrei Malinowski, Össur Emilsson, Magnus Sköld, Lisa Carlsson, Fredrik Nyberg

A Retrospective Observational Study of post-COVID-19 patients - clinical outcome, follow-up and patient characteristics in Post-COVID Pulmonary Fibrosis (PC-PF)

Catherine Salisbury (Bromsgrove, United Kingdom), Poh Chai Tan, Hannah Badawy, Abhimanyu Lal, See Ling Tan

FVC and DLCO evolution after initiation of antifibrotics as prognostic factors in IPF

Marie Vermant (Elsene, Belgium), Tinne Goos, Nathalie Veyt, Stefan Gogaert, Marianne S Carlon, Nico De Crem, Laurens J De Sadeleer, Ellen De Langhe, Adriana Dubbeldam, Bart Vanaudenaerde, Erik K Verbeken, Johny Verschakelen, Birgit Weynand, Jonas Yserbyt, Patrick Verschueren, Joseph Jacob, Wim A Wuyts

Second-line antifibrotics in patients with idiopathic pulmonary fibrosis: a real-life experience

Stefano Levra (Moncalieri, Italy), Giuseppe Guida, Vitina Carriero, Francesca Bertolini, Elisa Arrigo, Elisa Riccardi, Flavio Crosa, Paolo Carlo Ghio, Carlo Albera, Fabio Luigi Massimo Ricciardolo

Evaluation of a German R-Scale questionnaire in various ILD diagnoses

Sina Stoltefuß (Munich, Germany), Gabriela Leuschner, Sabine Zimmermann, Katrin Milger-Kneidinger, Teresa Kauke, Jürgen Behr

Correlation of traction bronchiectasis with lung function decline in patients with interstitial lung diseases

TOMONORI MAKIGUCHI (Hirosaki, Japan), Kei Chubachi, Yusuke Tanaka, Haruka Odagiri, Chiori Tabe, Yoshiko Ishioka, Hisashi Tanaka, Kageaki Taima, Sadatomo Tasaka

The prognostic value of blood eosinophils/monocyte count and Neutrophils/Lymphocyte ratio (NLR) in patients with IPF, CPFE and COPD: a retrospective multicenter cohort study

Yen-Fu Chen (Yun-Lin County, Taiwan), Pei-Fen Wu, Hsin-Yi Wang, Chung-Yu Chen, You-Yi Chen, Chia-Ling Chang, Jerry Shu-Hung Kuo, Kuan-Ming Su, Ning Chien, Ping-Hung Kuo, Hao-Chien Wang, Chong-Jen Yu

Leveraging disease progression modeling to aid clinical decision and optimize drug development for Idiopathic Pulmonary Fibrosis (IPF)

Tu Mai (South San Francisco, United States), Justin Wilkins, Shweta Vadhavkar, Katerina Samara, Nikhil Kamath, Lin Pan, Joy Hsu

Sulforaphane (SFN) derivatives attenuate at pulmonary fibrosis both in vivo bleomycin (BLM)-induced model and in vitro TGF- β 1-induced model

Sung Hwan Jeong (Incheon, Republic of Korea), Eun Suk Son, Sun Young Kyung, Jeong-Woong Park, So Young Park, Young Eun Lee, Se-Hee Kim

Association between parenchymal B-cell follicles and CT-proven enlarged mediastinal lymph nodes in patients with pulmonary fibrosis

Sissel Kronborg-White (Lystrup, Denmark), Elisabeth Bendstrup, Line Bille Madsen, Finn Rasmussen, Venerino Poletti

Importance of continuous TGF β presence for fibrosis induction in different in vitro assays

Matea Cedilak (Zagreb, Croatia), Daniela Belamaric, Doris Filipovic, Mihailo Banjanac, Martina Bosnar, Vesna Erakovic Haber

Survival in interstitial lung diseases – 11 years observation of 2497 patients.

Magdalena Martusewicz-Boros (Warszawa, Poland), Piotr Boros

Idiopathic pulmonary fibrosis mortality among ever-employed persons aged ≥ 15 years, by industry and occupation—United States, 2021

Jacek Mazurek (Morgantown, United States), Girija Syamlal, David Weissman

Surgical pulmonary biopsy in ILD: analysis of complications and survival

Sonia Pascual García (Leganés, Spain), Cristina Matesanz López, Beatriz De Olaiz Navarro, Jose Antonio Aramburu González, Eva Aguilar Rivilla, Beatriz Raboso Moreno, Adriana Rodríguez Perojo, Araceli Abad Fernández, Maria Teresa Río Ramirez

Multidisciplinary management of interstitial lung disease in NHS Scotland

Emily Turner (Glasgow, United Kingdom), Linda Sparks, Phil Korsah, Tom Fardon

Occurrence of Pneumothorax in patients with pulmonary idiopathic fibrosis and acute respiratory failure treated with High-Flow Nasal Cannula: A Case Series

Chiara Di Maria (S. Gregorio, Italy), Simone Prestifilippo, Claudia Crimi, Carlo Vancheri

PS-8 in poster area**Session****16:00 - 17:30****Poster session: SARS-CoV-2, tuberculosis, and breathlessness****Disease(s) :** Airway diseases Sleep and breathing disorders Thoracic oncology**Method(s) :** Epidemiology General respiratory patient care Imaging Public health Pulmonary function testing**Chairs :** Chair to be confirmed**Impact of Bronchial Asthma on COVID-19 Sequelae**

(Kochi, Japan), Soko Numata, Kazuhumi Takamatsu, Akihito Yokoyama

Pulmonary phenotypes and COVID-19 evolution patterns during the first year of the pandemic

DAVIDE CHIMERA (Pisa, Italy), Francesco Pistelli, Sara Maio, Giovanna Manfredini, Elisa Iacopini, Salvatore Claudio Fanni, Leonardo Colligiani, Chiara Romei, Annalisa De Liperi, Sandra Baldacci, Antonio Fideli, Chiara Cappiello, Luca Visconti, Claudia Meschi, Laura Tavanti, Roberta Pancani, Guido Marchi, Massimiliano Desideri, Nicoletta Carpenè, Luciano Gabbrielli, Alessandro Celi, Laura Carrozzi

Associations between socioeconomic parameters and outcomes related to hospitalization with COVID-19.

Søren Sperling (Aarhus N, Denmark), Andreas Fløe, Steffen Leth, Charlotte Hyldgaard, Tina Gissel, Ayfer Topcu, Lars Kristensen, Lene Sønderskov Dahl, Søren Jensen-Fangel, Johannes Martin Schmid, Elisabeth Bendstrup

Altitude effect on COVID-19 mortality rate and case incidence in Peru, the country with the highest accumulated mortality rate worldwide

Valeria A. Castillo Uribe (Leipzig, Germany), Zoë L. Contreras Leon, Betsabe M. Cucho Vásquez, Roberto Alfonso Accinelli, Leandro Huayanay, Fernando R. Chu Rivera

Latitude impact on COVID-19 mortality rate and case incidence in Peru, the Andean country with the highest accumulated mortality rate worldwide

Betsabe Cucho (Lima, Peru), Valeria A. Castillo Uribe, Zoë L. Contreras Leon, Roberto Alfonso Accinelli, Leandro Huayanay, Fernando R. Chu Rivera

Shifting COVID-19 case incidence and mortality rate trends during the pandemic in Peru, the country with the highest mortality rate worldwide

Zoë Lucia Contreras Leon (Lima, Peru), Valeria A. Castillo Uribe, Betsabe M. Cucho Vásquez, Roberto Alfonso Accinelli, Leandro Huayanay, Fernando R. Chu Rivera

Long-term sequelae of post-COVID-19 subjects from 19 centres across India

Swapnil Gadhave (Pune, India), Mohankumar Thekkinkattil, Abhinav Chaudhary, Saili Bendre, Parthasarathi Bhattacharyya, Archana B, Malay Sarkar, Girija Nair, Deependra Kumar Rai, Abhay Uppe, Sonali Trivedi, Surya Kant Tripathi, Jitendra Ingole, Sachin D, Nitesh Gupta, Babaji Ghewade, Amit Tade, Mahavir Modi, Loveleen Sharma, Yuvraj Badhe, Pooja Bhalekar, Sundeep Salvi

The cost of primary care consultations associated with long COVID in non-hospitalised adults: a retrospective cohort study using UK primary care data

Jake Tufts, Dawit Zemedikun, Anuradhaa Subramanian, Naijie Guan, Krishna Gokhale, Puja Myles, Tim Williams, Tom Marshall, Melanie Calvert, Karen Matthews, Krishnarajah Nirantharakumar, Louise Jackson, Shamil Haroon

SARS-CoV-2 and risk of psychiatric hospital admission and use of psychopharmaceuticals: A nationwide registry study of 4,585,083 adult Danish citizens

Valdemar Rømer (Copenhagen, Denmark), Pradeesh Sivapalan, Josefin Eklöf, Susanne Dam Nielsen, Zitta Barrella Harboe, Tor Biering-Sørensen, Theis Itenov, Jens-Ulrik Stæhr Jensen

The role of booster vaccination in decreasing COVID-19 age-adjusted case fatality rate: evidence from 32 countries

Jing Gao (Helsinki, Finland), Cui Zhou, Åsa Wheelock, Chutian Zhang, Jian Ma, Kaixing Dong, Zhichao Li, Wannian Liang, Lei Xu

Blood biomarkers and biological age among patients with long COVID

Shamil Haroon (Birmingham (West Midlands), United Kingdom), Anuradhaa Subramanian, Krishnarajah Nirantharakumar, Janet Lord, David C. Wraith

The effects Covid-19 had on the children of health care professionals

Ege Havlucu (Manisa, Turkey), Atalay Özkul, Deniz Kızıllırmak

IMPACT OF THE COVID19 PANDEMIC ON SURVIVAL OF PATIENTS WITH HOME MECHANICAL VENTILATION(HMV)

Alfredo Marín Muñiz (Castelldefels, Spain), Ana Córdoba Izquierdo, Mikel Sarasate Azkona, Eva Farrero Muñoz, Zara Vidales Sepúlveda, Lluís Mateu Gómez, Salud Santos Pérez, Enric Prats Soro

Epidemiology of Respiratory Syncytial Virus in Germany before and during covid-19 pandemic

Svenja Loerch (Hamm, Germany), Frank Erdnues, Thorsten Reineke, Beate Frerich, Wolfgang Kamin

Post-pandemic seasonal dynamics in the frequency of hospitalized exacerbations and triggers in COPD

Hnin Wint Aung (Market Harborough, United Kingdom), Aye Aung, Hamish Mcauley, Omer Elneima, Cara Flynn, Tracy Thornton, Helen Evans, Christopher Brightling, Neil Greening

The role of Low-Dose CT scan in the early diagnosis of malignant neoplasms of different localization.

Anna Kovchun (Sumy, Ukraine), Victor Kovchun, Vladyslava Kachkovska, Liudmyla Prystupa

Sense of control association to breathlessness: an analysis of 30,000 men and women in the general population.

Max Olsson (Helsingborg, Sweden), Magnus Ekström

Can machine learning improve predictive performance of long-term outcomes for adults with breathlessness?

Urvee Karsanji (London, United Kingdom), Michael C Steiner, Claire A Lawson, Emily Petherick, Rachael A Evans, Matthew Richardson

Identifying the factors most strongly associated to breathlessness in the general population: an evaluation of 465 different factors using machine learning.

Max Olsson (Helsingborg, Sweden), Magnus Ekström

Increasing Medical Research Council breathlessness scores are associated with longer hospital stays

Urvee Karsanji (London, United Kingdom), Vanessa N Brunelli, Slavica Kochovska, Diana Ferreira, Irina Kinchin, Magnus Ekström, Jennifer K Quint, Michael C Steiner, Rachael A Evans, David C Currow

PS-14 in poster area**Session****16:00 - 17:30****Poster session: Clinical features and advances in the management of tuberculosis**

Disease(s) : Airway diseases Pulmonary vascular diseases

Method(s) : General respiratory patient care Epidemiology Public health Imaging Cell and molecular biology Endoscopy and interventional pulmonology Pulmonary function testing

Chairs : Inês Tavares Ladeira (Vila Nova de Gaia, Portugal), Chair to be confirmed

Renal amyloidosis in a patient with pulmonary tuberculosis

Sabarinath Ravichandar (Chennai, India)

Clinico-microbiological profile and treatment outcomes in patients with isoniazid monoresistant tuberculosis in South India

Venkata Prasanna M (puducherry, India), Muthuraj M, Vimal Raj R, Govindarajan S, Pajanivel R

The modifying effect of comorbidity on the detection and treatment outcomes of tuberculosis

Iryna Makoida (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Iryna Kostitska, Olha Molodovets, Olha Melnuk-Sheremeta, Oleksandr Varunkiv, Iryna Savelikhina, Alla Zuban, Nadiia Korzh, Uliana Shevchuk-Budz

Association of systemic inflammatory markers with anti-tuberculous drug-induced liver injury

quanxian Liu (Chengdu, China), Jianqing He

Clinical and prognostic characterisation of Mycobacterium avium infection - a retrospective analysis

Diogo Miguel Monteiro Canhoto (Coimbra, Portugal), Ferreira António Jorge

Rasmussen Aneurysm: a rare fearful complication of pulmonary tuberculosis

mohamed karim darragi (Ariana, Tunisia), Sarra Maazaoui, Chirine Moussa, Amany Touil, Sonia Hbibeche, Soumaya Ben Saad, Hajer Racil, Fatma Tritar, Sonia Maalej, Nawel Chaouech

Atypical presentations and challenges in the upper respiratory tract tuberculosis

Najla Bahloul (Sfax, Tunisia), Kallel Souha, kharrat rania, Hammami Rim, Selem Noura, Chaabouni Mohamed Amine, Kammoun Sami, Charfeddine Ilhem

Clinical characteristics of different subspecies in patients with Mycobacterium intracellulare pulmonary disease

CHIE MORITA (Tokyo, Japan), Eriko Morino, Yusaku Kusaba, Ayako Shiozawa, Jin Takasaki, Masayuki Hojo, Haruhito Sugiyama, Mitsunori Yoshida, Hanako Fukano, Yoshihiko Hoshino

Spinal tuberculosis treated at an East London Hospital

Akhilesh Sharma (Chelmsford, United Kingdom), Erik Skjellberg, Rebekah Young, Sinead Foley, Mollie Ward, Laura Gill, Simon Tiberi, Veronica White, Heinke Kunst

Endobronchial tuberculosis : a rare presentation

Salma Msika (casablanca, Morocco), Wiam El Khattabi, Meriem Zadi, Hajar Arfaoui, Hasna Jabri, Hicham Afif

The effect of Covid-19 pandemic on childhood tuberculosis: A Retrospective sectional study

Özge Ülgen (İstanbul, Turkey), Gülay Bilgin, Zeynep Reyhan Onay, Sinem Can Oksay, Deniz Mavi, Yasemin Mocan Çağlar, Begüm Yörük, Saniye Girit

Tuberculous meningoencephalitis complicate with mielitis

Olga Adriana Caliman-Sturdza (Suceava, Romania)

Peripheral blood monocyte and pleural effusion aetiology

Maged Hassan (Alexandria, Egypt), ABDALLAH DABBAS, Mohammad Yosri, Alaa Amin, Nada Abdelsalam, Aya Ayman, Marina Ibrahim, Nada Nawar

Etiology of exudative pleural effusion among adults: differentiating between tuberculous and other causes, a multicenter prospective cohort study

Mansoor Hameed (Doha, Qatar), Mousa Hussein, Merlin Thomas, Mustafa Al-Tikrity, Tasleem Raza, Esraa Alkhateeb, Aisha Aladab, Wanis Ibrahim, Prem Chandra

Lung function impairment after completing tuberculosis therapy - preliminary findings of StatinTB/ExtendTB

Sandra Mukasa (Cape Town, South Africa), Karen Wolmarans, Antoneta Mashinyira, Patrick Katoto, Fareda Jakoet-Bassier, Christian Buess, Reto Guler, Gunar Gunther, Friedrich Thienemann

Predictive factors for unfavourable outcome of Tubercular(T.B) cervical lymphadenitis

Darshan Kumar Bajaj (Lucknow (Uttar Pradesh), India), Surya Kant, Nagendra Kumar, Jyoti Bajpai, Richa Tyagi, R A S Kushwaha, Ajay Kumar Verma, Rajiv Garg, Chanchal Rana, Sapna Dixit

Utility of CT scan in pulmonary tuberculosis disease

mohamed karim darragi (Ariana, Tunisia), Sarra Maazaoui, Yassine Foudhaili, Olfa Ben Moussa, Amany Touil, Sonia Habibech, Hajer Racil, Nawel Chaouch

Ocular Tuberculosis: a challenging condition

Joana Marques Diogo (Sesimbra, Portugal), Carlos Figueiredo, Helena Pires, Júlia Silva, Carlos Monteverde, Dalila Ferreira, Joana Carvalho, Susana Carreira, Teresa Mourato, Luís Coelho

The impact of video-supported treatment in the case-management and outcome of tuberculosis

Tatiana Osipov (Chisinau, Republic of Moldova), Alina Malic, Evelina Lesnic, Adriana Niguleanu

Late Breaking Abstract - Drug-resistant tuberculosis: pilot whole genome sequencing of clinical isolates M.tuberculosis from TB patients in Kazakhstan

Ulan Kozhamkulov (Astana, Kazakhstan), Asset Daniyarov, Ainur Akhmetova, Saule Rakhimova, Zhannur Abilova, Ainur Akilzhanova

PS-11 in poster area

Session

16:00 - 17:30

Poster session: Asthma, atopy, and respiratory outcomes from infancy to young adulthood

Disease(s) : Airway diseases

Method(s) : Epidemiology Public health General respiratory patient care Physiology Pulmonary function testing Imaging

Chairs : Franca Rusconi (Pisa, Italy), Eva Sophie Lunde Pedersen (Bern, Switzerland)

Endotyping and risk-assessing childhood asthma using national registries

Kjell Erik Julius Håkansson (København N, Denmark), Silvia Cabrera Guerrero, Vibeke Backer, Charlotte Suppli Ulrik, Deepa Rastogi

Association of multiple factors with childhood asthma and allergic diseases: a latent class analysis

Teresa To (Toronto (ON), Canada), Cornelia M. Borkhoff, Laura N. Anderson, Catherine Birken, Sharon D. Dell, Magdalena Janus, Jonathon L. Maguire, Theo J. Moraes, Patricia C. Parkin, Padmaja Subbarao, Anne Van Dam, Beverly Guttman, Emilie Terebessy, Kimball Zhang, Jinjin Zhu

Maternal dietary inflammatory potential and allergic and respiratory multimorbidity in children

Rosalie Delvert (Villejuif, France), Manel Ghzal, Marie-Aline Charles, Isabella Annesi-Maesano, Chantal Raheison-Semjen, Raphaëlle Varraso, Blandine De Lauzon-Guillain, Annabelle Bédard

Persistence of wheeze in a clinical cohort depends on trigger factors

Tayisiya Krasnova (Kyiv, Ukraine), Amanda Gisler, Sylvain Blanchon, Nicolas Regamey, Eva S L Pedersen, Claudia E Kuehni

Dust microbiota profiles in daycare and risk of wheezing in early childhood

Annabelle Bédard (Paris, France), Isabelle Lacaze, Flore Amat, Pierre Bonnet, Anastasie Eworo Nchama, Carlos A Camargo Jr, Kohei Hasegawa, Rachel Nadif, Valérie Siroux, Raphaëlle Varraso, Corinne Mandin, Nicole Le Moual, Orianne Dumas

Impact of exposure reduction recommendations on health outcomes in children with asthma during high desert dust season in Greece and Cyprus: Results of the MEDEA randomised trial

Panayiotis Kouis (Nicosia, Cyprus), Emmanouil Galanakis, Paraskevi Kinni, Eleni Michaelidou, Antonis Michanikou, Helen Demetriou, Maria G. Kakkoura, Pinelopi Anagnostopoulou, Konstantinos Pitsios, Stafania I. Papatheodorou, Petros Koutrakis, Panayiotis K. Yiallourous

The impact of COVID-19 lockdown measures on asthma symptom control in children: a systematic review and meta-analysis of observational cohort studies.

Panayiotis Kouis (Nicosia, Cyprus), Marios Lemonaris, Eleana Xenophontos, Andrie G. Panayiotou, Panayiotis K. Yiallourous

Impact of COVID-19 on Childhood Asthma and Wheezing Disorders: Rebound Risk for Rhinovirus Infections

Yuhan Xing (Hong Kong, Hong Kong), Ka-Sheung Yip, Edmund Chung-Ming Yung, Agnes Sze-Yin Leung, Ting-Fan Leung, Gary Wing-Kin Wong

COVID-19 vaccinations and adverse outcomes among youth and young adults with asthma and allergic diseases

Kimball Zhang (Toronto, Canada), Emilie Terebessy, Jingqin Zhu, Catherine Birken, Cornelia Borkhoff, Andrea Gershon, Theo Moraes, Tetyana Kendzerska, Smita Pakhale, Teresa To

A revolving door?: continuity of care among children with asthma after discharge from a children's hospital in Ontario, Canada

Kimball Zhang (Toronto, Canada), Emilie Terebessy, Jingqin Zhu, Teresa To

Association of infant tidal breathing with later lung function in preterm individuals

Yasmin Salem (Bern, Switzerland), C. Corin Willers, Anne-Christianne Kentgens, Julian Jakob, Florian Wyler, Urs Frey, Philipp Latzin, Sophie Yammine

Diagnosis in children with prolonged or recurrent cough

Maria Christina Mallet (Rose-Hill, Mauritius), Annina Elmiger, Tayisiya Krasnova, Carmen De Jong, Barbara Kern, Alexander Moeller, Nicolas Regamey, Oliver Sutter, Jakob Usemann, Eva S L Pedersen, Claudia E Kuehni

Lung function in young adulthood in relation to moderate-to-late preterm birth

Björn Lundberg (Stockholm, Sweden), Simon Kebede Merid, Petra Um-Bergström, Gang Wang, Anna Bergström, Sandra Ekström, Inger Kull, Erik Melén, Jenny Hallberg

Antibiotics in pregnancy influence nasal microbiome and respiratory morbidity in infancy

Céline Rüttimann (Basel, Switzerland), Annika Nissen-Kratzert, Nadja Mostacci, Noëmi Künstle, Andrea Marten, Amanda Gisler, Katharina Bracher, Insa Korten, Sophie Yammine, Ruth Steinberg, Sven Schulzke, Philipp Latzin, Markus Hilty, Urs Frey, Olga Gorlanova

Clinical implications of dysanaptic obstruction during childhood and adolescence

Hans Jacob Koefoed (Groningen, Netherlands), Gang Wang, Ulrike Gehring, Sandra Ekström, Inger Kull, Anna Bergström, Gerard H. Koppelman, Erik Melén, Judith M. Vonk, Jenny Hallberg

Exploratory analyses of inflammatory plasma proteins and post-exercise airway responses in randomly selected adolescents

Karin Ersson (Uppsala, Sweden), Kjell Alving, Christer Janson, Henrik Johansson, Andrei Malinovski

A retrospective study of perinatal respiratory outcomes in pregnancy with Diabetes Mellitus

Then Moli Othayamoorthy (Segambut, Wilayah Persekutuan Kuala Lumpur, Malaysia), Asiah Kassim, 3. Nur Izyani Abdul Halim, 4. Fatimah Az Zaharah Sulaiman, 5. Ching Hai Lee, 6. Ker Yang Chua, 7. Udhaya Moorthy, 8. Karuthan Chinna

Comorbidity of allergic diseases and type 1 diabetes – using genetically informative methods

Awad I. Smew (Stockholm, Sweden), Tong Gong, Ralf Kuja-Halkola, Lars Säwendahl, Paul Lichtenstein, Bronwyn K. Brew, Catarina Almqvist

Pulmonary evaluation of children with respiratory symptoms and post-COVID-19 condition

Einat Shmueli (Hod Hasharon, Israel), Ophir Bar-On, Meir Mei-Zahav, Patrick Stafler, Hagit Levine, Guy Steuer, Ben Amir, Gabriel Chodick, Dario Prais, Liat Ashkenazi-Hoffnung

Frequency of common respiratory infections in children before and during the COVID-19 pandemic
Ronny Makhoul (Bern, Switzerland), Cristina Ardura, Eva S L Pedersen, Nicolas Regamey, Claudia E Kuehni

PS-7 in poster area **Session** **16:00 - 17:30**

Poster session: Epidemiology of tobacco and electronic nicotine delivery systems use

Disease(s) : Airway diseases Respiratory critical care Interstitial lung diseases Thoracic oncology

Method(s) : Epidemiology General respiratory patient care Public health Pulmonary rehabilitation Physiology Cell and molecular biology Pulmonary function testing

Chairs : Florin Dumitru Mihaltan (Bucuresti, Romania)

Vaping: A new trend of consumption among young people.

Sara Sánchez Martin (Malaga, Spain), María Mercedes Segura Romero, Eva Belén Cabrera César

The role of calcium dysregulation in e-liquids or vaping associated alveolar type II epithelial cell injury

RUI ZHANG (Yinchuan, China), Lili Miao, Rob Onywnwoke

Tobacco heaters, electronic cigarettes, hookahs, cannabis: really a safer alternative to cigarettes?

Iris Hohenadel (Sandhausen, Germany)

Impact of heated tobacco products, e-cigarettes, and combustible cigarettes on small airways and arterial stiffness

Klaas F. Franzen (Luebeck, Germany), Isabel Buchwald, Annabelle Hauck, Paul Niklas Axt, Theresa Mohr, Henrik Watz, Frederik Trinkmann, Daniel Drömann

Perception of electronic cigarette among young adolescents

Soukaina Hallouli (CASABLANCA, Morocco), Wiam El Khattabi, Hajar Arfaoui, Hasna Jabri, Hicham Afif

A comprehensive list of flavorings used in cigarettes

Efthimios Zervas (Patra, Greece), Manos Konstantinidis, Niki Matsouki, Chara Tsipa, Zoe Gareiou

MOTIVATION FOR USING HEAT-NOT-BURN TOBACCO DEVICES AND E-CIGARETTES IN UKRAINE

Vitalina Harkusha (Vinnytsia, Ukraine), Vitalii Poberezhets, Anna Demchuk, Yuriy Mostovoy

TOBACCO PRODUCT USE AMONG YOUTH IN UKRAINE

Vitalina Harkusha (Vinnytsia, Ukraine), Vitalii Poberezhets, Anna Demchuk, Yuriy Mostovoy

A qualitative study of Australian general practitioners on e-cigarettes as a smoking cessation aid

Melis Selamoglu (Melbourne, Australia), Bircan Erbas, Chris Barton

Tobacco, alcohol and other drugs use among children in middle and high school

Hamida Kwas (Gabes, Tunisia), Sabrine Majdoub Fehri

Teenage problem gambling in Ireland – shared risk factors with tobacco, e-cigarette and cannabis use

Salome Sunday (Blackpool, Ireland), Luke Clancy, Joan Hanafin

Knowledge, practices, and attitudes of general practitioners in the southern region of Morocco towards smoking

Aboubekr Imzil (Agadir, Morocco), Oussama Halloumi, Abdelkrim Khannous, Abdelmajid Oulahbib, Youness Essaid, Nada Boutbagha, Soufia Farhat, Houssame Ennaciri, Hanane Ikrou, Fatiha Bounoua, Khadija Ait Nasser, Houda Moubachir, Hind Serhane

Tunisian physicians' knowledge of passive smoking

Sarra Ben Sassi (ariana, Tunisia), Ines Moussa, Hana Mrassi, Mariem Friha, Sara Trimech, Imen Sahnoun, Leila Douik El Gharbi

Increasing knowledge and awareness of respiratory diseases through an educational programme for nursing students in rural Ghana.

Yazid Imoru (Accra, Ghana), Johannes Martin Schmid

Gender differences in smoking-attributable mortality (SAM) by region in Portugal

Sofia Belo Ravara (Covilhã, Portugal), Julia Rey-Brandariz, Esther López-Vizcaíno, María Isolina Santiago-Pérez, Alberto Ruano-Ravino, Cristina Candal-Pedreira, Leonor Lema-Varela, Nerea Mourino, Pedro Aguiar, Mónica Pérez-Ríos

Environmental Awareness and Behavior of Smokers and Non-Smokers

Efthimios Zervas (Patra, Greece), Zoe Gareiou, Niki Matsouki, Chara Tsipa, Manos Konstantinidis

The impact of tax increases on tobacco use among medical faculty students

Elif Dagli (Istanbul, Turkey), Murat Tuğberk Bakar, Buğra Arslan, Melike Duymaz, Ibrahim Serhat Karakuş, Zilan Polat, Tanzer Gezer, Pınar Ay

Knowledge, attitude and practice of smoking vape among medical students in Karachi, Pakistan.
Eman Sheikh (Karachi, Pakistan), Ashok Kumar

Smoking cessation counselling: what do Tunisian medical trainees think?

Hana Blibech (Ariana, Tunisia), Mohamed Aymen Jebali, Houda Snene, Nozha Ben Salah, Sameh Belhaj, Nadia Mehiri, Bechir Louzir

Smoking Cessation Practices in a Level 3 Irish Hospital

Niamh Boyle (Celbridge, Ireland), Caitlyn Paclibar, Eric Sheeran Purcell, Mary McNamee, Colm Quigley

PS-19 in poster area

Session

16:00 - 17:30

Poster session: Chronic thromboembolic pulmonary hypertension and other aspects in the pulmonary vasculature

Disease(s) : Pulmonary vascular diseases Airway diseases

Method(s) : Pulmonary function testing Cell and molecular biology Physiology Surgery General respiratory patient care Respiratory intensive care Epidemiology Endoscopy and interventional pulmonology Transplantation Imaging

Chairs : Frédéric Lador (Genève 14, Switzerland), Mitja Jevnikar (Paris, France)

Long-term effects of pulmonary endarterectomy on cardiopulmonary hemodynamics and exercise capacity in chronic thromboembolic pulmonary hypertension: London and Amsterdam experience

Andrea Baccelli (Milano, Italy), Azar Kianzad, Natalia J. Braams, Stine Andersen, Jessie Van Wezenbeek, Jeroen N. Wessels, Lucas R. Celant, Anna E. Vos, Rachel Davies, Francesco Lo Giudice, Gulammehdi Haji, Rocco F. Rinaldo, Beatrice Vigo, Petr Symersky, Toon A. Winkelman, Anco Boonstra, Esther J. Nossent, J. Tim Marcus, Anton Vonk Noordegraaf, Lilian J. Meijboom, Frances S. De Man, Asger Andersen, Luke S. Howard, Harm Jan Bogaard

A screening program for chronic thromboembolic pulmonary hypertension (CTEPH) after pulmonary embolism in SARS-CoV-2.

Lucilla Piccari (Barcelona, Spain), Oswaldo Antonio Caguana Vélez, Karys Helena Khilzi Alvarez, Diana Badenes bonet, Roberto Jose Chalela Rengifo, Jose gregorio Gonzalez garcia, Mariela Lizzeth Arita Guevara, Ricardo alberto Reyes jimenez, Anna Herranz blasco, Mireia Admetllo papiol, Anna Rodo Pin, Juanjo Rodriguez sevilla, Flavio Zuccarino, Judith Villar Garcia, Lluís Molina Ferragut, Eva Balcells Vilarnau, Diego Rodriguez Chiaradia

Long-term safety and survival time under subcutaneous treprostinil treatment in patients with severe chronic thromboembolic pulmonary hypertension (CTEPH)

Pavel Jansa (Jirny, Czech Republic), Roela Sadushi-Kolici, Grzegorz Kopec, Nika Skoro-Sajer, Michael Halank, Iveta Simkova, Regina Steringer-Mascherbauer, Barbara Salobir, Walter Klepetko, Jaroslav Lindner, Irene M. Lang

The relationship between the preoperative pulmonary function test and DLCO values and the anatomical classification of thrombus in patients who underwent pulmonary endarterectomy with the diagnosis of chronic thromboembolic pulmonary hypertension.

Burcu Turan (Istanbul, Turkey), Derya Kocakaya, Sehnaz Olgun Yildizeli, Bedrettin Yildizeli

Left ventricular diastolic dysfunction attenuates outcomes in CTEPH

Katherine Bunclark (Cambridge (Cambridgeshire), United Kingdom), Andrew Fletcher, Alessandro Ruggiero, John Cannon, Gerry Coghlan, James Lordan, Luke Howard, David Jenkins, Martin Johnson, David Kiely, Choo Ng, Nicholas Screaton, Karen Sheares, Dolores Taboada, Steven Tsui, John Wort, Joanna Pepke-Zaba, Mark Toshner

Calibrated automated thrombography demonstrates a hypocoagulable profile in subjects with pulmonary arterial hypertension

Sarah Cullivan (Dublin, Ireland), Ciara McCormack, Brian McCullagh, Barry Kevane, Patricia Maguire, Fionnuala Niainle, Sean Gaine

Nocturnal desaturation in patients with chronic thromboembolic pulmonary hypertension.

Yu Taniguchi (Kobe, Japan), Hiroyuki Fujii, Kenichi Yanaka, Noriaki Emoto, Kenichi Hirata

Characteristics in patients with inoperable CTEPH and a good hemodynamic outcome post-BPA

Mitja Jevnikar (Paris, France), Mithum Kularatne, Philippe Brenot, David Montani, Laurent Savale, Antoine Beurnier, Thomas Lacoste-Palasset, Sabina Solinas, Athénaïs Boucly, Karen Bitton, Anne Roche, Olivier Sitbon, Elie Fadel, Marc Humbert, Xavier Jais

Extracellular microvesicles in animal model of postembolic pulmonary hypertension and in patients with pulmonary embolism and chronic thromboembolic pulmonary hypertension

Elva Maria Mendoza Zambrano (Sevilla, Spain), Verónica Sánchez López, Inés García Lunar, Daniel Pereda Arnau, Samira Marín Romero, Luis Jara-Palomares, Teresa Elías Hernández, Ana García Álvarez, Remedios Otero Candelera

Bleeding under anticoagulant therapy in patients with pulmonary arterial hypertension or chronic thromboembolic pulmonary hypertension: preliminary results from the HEMA-HTP study.

Souad Bezzeghoud (St Etienne, France), Hélène Bouvaist, Kais Ahmad, Romain Trésorier, Sandrine Accassat, Claire Dauphin, Cécile Duvillard, Jean-Baptiste Gaultier, Valentine Mismetti, Elodie De Magalhaes, Audrey Thalamy, Vincent Cottin, Géraldine Poenou, Laurent Bertoletti

CTEPH patients with mild hemodynamic severity of disease improve to a similar level of exercise capacity after pulmonary endarterectomy compared to patients with severe hemodynamic disease.

Coen van Kan (Amsterdam, Netherlands), Jelco Tramper, Paul Bresser, Lilian Meijboom, Petr Symersky, Toon Winkelman, Esther Nossent, Jurjan Aman, Harm Jan Bogaard, Anton Vonk Noordegraaf, Josien Van Es

Pattern of lung function impairment in patients suffer from chronic thromboembolic pulmonary hypertension

Aleksandar Bokan (Loewenstein, Germany), Anna Volk, Axel Tobias Kempa, Ana Bokan, Stephan Beckmann, Gerd Staehler

The impact of the Covid-19 pandemic on the lives of patients with pulmonary hypertension

Iain Armstrong (, United Kingdom), Catherine Billings, J Paul Sephton, Shaun Clayton, Mary Ferguson, John Smith

COVID-19 and pulmonary vasculature; the impact of pulmonary artery dilation in clinical outcome

Angelos Zouglos (Halandri, Greece), Kyriaki Tavernarakis, Styliani Arapostathi, Konstantinos Tsiakos, Asimina Nikolakopoulou, Athanasios Andrianopoulos, Alexandros Patsouras, Christina Potari, Dimitrios Arvanitis, Loukas Thanos, Angeliki Rapti

Chest computed tomography demonstrates transient enlargement of the pulmonary artery in COVID-19 pneumonia that regresses after remission of the disease

Nikoleta Bizymi (Heraklion Crete, Greece), Andreas M. Matthaiou, Konstantinos Pagonidis, Eirini Manousaki, Michail Frangkoulakis, Irini Lambiri, Ioanna Mitrouska, Katerina M. Antoniou, Nikolaos Tzanakis

Renal outcomes after lung and combined heart-lung transplantation in pulmonary hypertension

Laura Hardy (Leuven, Belgium), Alexander D'Haenens, Rozenn Quarck, Gitte Aerts, Catharina Belge, Guido Claessen, Dirk Kuypers, Greet De Vlieger, Tom Verbelen, Laurens Ceulemans, Dirk Van Raemdonck, Geert Verleden, Robin Vos, Arne Neyrinck, Marion Delcroix, Laurent Godinas

The effect of mechanical stimulation on cardiac fibroblasts in pulmonary arterial hypertension

Fjodor Bekedam (Amsterdam, Netherlands), Marisa Smit, Anton Vonk Noordegraaf, Harm Jan Bogaard, Marie Jose Goumans, Frances De Man, Aida Lluçia-Valdeperas

Assessment of usability and flow profiles of patients with pulmonary hypertension inhaling with a high-resistance Soft Mist Inhaler (SMI)

Bernhard Müllinger (München, Germany), Nicolas Buchmann, Robin Huedepohl, Gerian Prins

An open-source tool for risk prediction in operable CTEPH

Katherine Bunclark (Cambridge (Cambridgeshire), United Kingdom), James Liley, Alessandro Ruggiero, John Cannon, Gerry Coghlan, James Lordan, Luke Howard, David Jenkins, Martin Johnson, David Kiely, Choo Ng, Nicholas Screaton, Karen Sheares, Dolores Taboada, Steven Tsui, John Wort, Joanna Pepke-Zaba, Mark Toshner

Late Breaking Abstract - Metabolic phenotype determines outcome of pulmonary arterial hypertension

Andrea Olschewski (Graz, Austria), Natalie Bordag, Bence Miklos Nagy, Elmar Zügner, Helga Ludwig, Vasile Foris, Chandran Nagaraj, Valentina Biasin, Ulrich Bodenhofer, Christoph Magnes, Bradley A. Maron, Silvia Ulrich, Tobias J. Lange, Konrad Hötzenecker, Thomas Pieber, Horst Olschewski

PS-4 in poster area**Session****16:00 - 17:30****Poster session: Evaluation of sleep and sleep-disordered breathing in different population and patient groups**

Disease(s) : Sleep and breathing disorders Airway diseases

Method(s) : Epidemiology Public health Surgery General respiratory patient care Imaging Physiology

Chairs : Marta Susana Monteiro Drummond Freitas (Maia, Portugal), Chair to be confirmed

Sleep efficiency and sleep onset latency in a First Nation community in Saskatchewan, Canada

Chandima Karunanayake (Saskatoon, Canada), James A. Dosman, Mark Fenton, Jeremy Seesequasis, Marie Neubuhr, Warren Seesequasis, Delano Mike, Kathleen McMullin, Malcolm King, Sylvia Abonyi, Vivian R. Ramsden, Donna C. Rennie, Shelley Kirychuk, Niels Koehncke, Robert Skomro, Brooke Russell, Punam Pahwa

Sleep quality of physicians at a University Hospital - cross-sectional observational study

Eduardo Garcia (Porto Alegre (RS), Brazil), Fernanda Altmann Oliveira, Aline Tiemi Hirose Ventura, Carlos Javier Mendoza Bravo

Perception of Sleep Quality in Health Professionals at a University Hospital - an observational study

Eduardo Garcia (Porto Alegre (RS), Brazil), Carlos Javier Mendoza Bravo, Aline Tiemi Hirose Ventura, Fernanda Altmann De Oliveira

Sleep habits and sleep quality among Tunisians students

Rim Khemakhem (Sfax, Tunisia), Israa Wadhane, Sabrine Fidha, Rahma Gargouri, Sameh Msaed, Nadia Moussa, Najla Bahloul, Samy Kammoun

Sex-related sleeping differences in non-Obstructive Sleep Apnea patients

Pedro Magalhães Ferreira (Vila Nova de Gaia (District de Porto), Portugal), Filipa Carriço, Daniela Rodrigues, Margarida Redondo, Mafalda Van Zeller, Marta Drummond

Association of Vitamin B12 levels with Sleep Quality, Insomnia and Sleepiness in Adult Primary Health Care Users in Greece

Izolda Bouloukaki (Heraklion (Crete), Greece), Maria Lampou, Konstantina Maria Raouzaoui, Eirini Lambraki, Ioanna Tsiligianni, Sophia Schiza

Risk of cancer and cancer mortality in obstructive sleep apnoea

Jenny Theorell-Haglöw (Uppsala, Sweden), Xingwu Zhou, Gary Wittert, Robert Adams, Sarah Appleton, Amy Reynolds, Mirjam Ljunggren, Nathaniel Marshall

Obstructive Sleep Apnea Hypopnea Syndrome & Glaucoma

Feryel Chaouki (Batna, Algeria), Mohamed Fateh Roughi

Sleep related breathing disorders in Chiari malformation type 1 patients

Laura Cortezon (Bilbao, Spain), Ederne Echevarría, Teresa Bretos, Yolanda Rey, Maria Luz Zaldibar, Estefanía Perez, Cristina Valverde, Cristina Mosquera, Beatriz González, Amaia Urrutia, Sonia Castro, Valentín Cabriada

Eat, breathe, sleep with Osteogenesis Imperfecta

Antonella LoMauro (Milano (MI), Italy), Vittorio Landoni, Paolo Frascini, Franco Molteni, Andrea Aliverti, Simona Bertoli, Ramona De Amicis

Sickle cell disease phenotypes and obstructive sleep apnea; are they related?

Suhail Alsaleh (Riyadh, Saudi Arabia), Norah Alshehri, Sara Alsiddiqi, Mohammed Rayis, Safa Eltahir, Mohammed Alzaid, Wadha Alotaibi

The prevalence of sleep apnoea before colorectal cancer surgery

Karl Franklin (Umeå, Sweden), Martin Claesson, Eva Lindberg, Carin Sahlin, Anders Blomberg, Markku Haapamäki, Malin Sund, Johan Svensson, Malin Jonsson Fagerlund

Considering obstructive sleep apnoea syndrome as a differential diagnosis in Long COVID patients

Katie McEwan (Leeds, United Kingdom), Rashad Salman, Rachel Tarrant, Stephen Halpin, Manoj Sivan

Comparison of Objective and Subjective Sleep Assessment in a Post-Covid Population as Assessed by WatchPAT.

Christina D. Campbell (Dublin 6, Ireland), Imran Sulaiman

Kleine-Levin and post covid 19 syndromes, a possible relationship?

Analúcia Maranhão (Rio De Janeiro (RJ), Brazil), Cinthya Saad

Risk factors for OSA in a population of Italian telecommunication workers

Giuseppe Verlato (Verona (VR), Italy), Giuseppe Insalaco, Pierpaolo Marchetti, Roberta Vesentini, Luciano Romeo

Simplified questionnaire for detecting patients with severe OSA

Cuizhen Huang (GuangzhouChina, China), Yuan Feng, Lu Wang, Xiuxuan Xiang, Joerg Steier, Yuanming Luo

Evaluation of a modified Epworth Sleepiness Scale to reliably assess excessive daytime sleepiness in low-income countries: results from the Benin Society and Sleep study (BeSAS)

Ablo Prudence Wachinou (Cotonou, Benin), Arnaud Fiogbe, Terence Totah, Gildas Agodokpessi, Raphael Heinzer

The usefulness of observed apnea item in obstructive sleep apnea diagnosis: results from the 2019-2020 Korean National Health and Nutrition Examination Survey

EUN BYEOL KO (Seoul, Republic of Korea), Kang-Mo Gu, Hae In Jung, So Young Park, Moon Seong Baek, Won Young Kim, Jae-Chol Choi, Jong-Wook Shin, Jae-Yeol Kim, Jae-Woo Jung

Screening for obstructive sleep apnea in patients with Down Syndrome

Ines Podzamczar Valls (Sant Joan Despi, Spain), Ana Fortuna Gutierrez, Mercè Mayos Pérez, Susana Clos Batet, Laura Videla Toro, Maria Carmona-Iragui, Isabel Barroeta Espar, Javier José Arranz Martínez, Bessy Benejam Paul, Alberto Lleó Bisa, Juan Fortea Ormaechea, Sandra Giménez Badia

PS-15 in poster area

Session

16:00 - 17:30

Poster session: COVID-19 in specific populations

Disease(s) : Airway diseases Respiratory critical care Interstitial lung diseases

Method(s) : Epidemiology General respiratory patient care Physiology Public health Respiratory intensive care Imaging
Pulmonary function testing Pulmonary rehabilitation

Chairs : Aikaterini Dimakou (Agia Paraskeyi, Greece), Charlotte Summers (Cambridge (Cambridgeshire), United Kingdom)

Immunosuppressed patients with severe COVID-19 pneumonia: clinical characteristics and outcomes

Eduardo Forin (Barcelona, Spain), Flavia Galli, Francisco Jose Molina Saldarriaga, Anna Motos, Sofia Misuraca, Enric Barbeta, Joan Canseco, Laia Fernandez-Barat, Andrea Catalina Palomeque, Jesus Francisco Bermejo Martin, Ferran Barbé Illa, Antoni Torres

Characteristics and outcomes of pregnant women with severe pneumonia related to SARS-CoV-2 admitted to intensive care unit: a retrospective study.

Naim Dhifaoui (Kairouan, Tunisia), Azza Yedes, Sawsen Bourommena, Becem Trabelsi, Chawki Mrazguia, Mechaal Ben Ali

The Accuracy of CARB (COVID ASSESSMENT AND REVIEW BOARD) Screening Tool in diagnosing patients with COVID 19 from March 2020 to March 2022 in Silliman Medical Center Foundation Incorporated; A retrospective descriptive cross sectional study

L. Angelique Gene Duran (Dumaguete, Philippines), Dehuel Cuyacot, Brian Joseph Calinawagan, Gamaliel Garcia, John Anthony Tindoc, Hannah Candace Catacutan

Clinical profile of COVID patients and predictors of long COVID - South Asian data

Venugopal Kummannoor Parameswaran Pillai (Kottayam (Kerala), India), Rekha Parameswari, Athulya Kumar, Sukumaran Parackal

SMOKING AND COVID-19: A COMPLEX INTERACTION

Mariem Chaabane (Tunis, Tunisia), Hajer Racil, Mariem Friha, Sarra Maazaoui, Sonia Habibeche, Ameny Touil, Nawel Chaouch

Risk of SARS-CoV-2 infection and disease severity among people with bronchiectasis: analysis of three population registries

Michal Shteinberg (Haifa, Israel), Oriol Sibila, Nili Stein, Rosa Faner, Alexander Jordan, Nuria Olvera, Pradeesh Sivapalan, Jens Ulrik Jensen, Megan Crichton, James Chalmers, Christian Meyer, Walid Saliba

Residence density and outcome of COVID infection among bronchiectasis patients

Christian Niels Meyer (Roskilde, Denmark), Alexander S Jordan, Pradeesh Sivapalan, Christian Niels Meyer, Michal Shteinberg, Jens Ulrik S Jensen

The Relation between ACE Gene Polymorphism and the Severity of COVID-19 Infection

Ahmed Abdallah Bayoumy (Ismailia, Egypt), Yara El-Sayed Marei, Hassnaa Mohamed Abulazm Nassar, Bassam Mansour, Asmaa Bakeir Hamady

Characteristics of frailty in perimenopausal women with Long COVID-19 syndrome

Laura Lopez Lopez (Granada, Spain), Alba Navas Otero, Araceli Ortiz Rubio, Andrés Calvache Mateo, Irene Cabrera Martos, Irene Torres Sánchez, Marie Carmen Valenza

Comparison of patients hospitalized for COVID-19 in the periods of Delta and Omicron variants dominance in Greece

Vagia Karageorgou (Athens, Greece), Andriana I Papaioanou, Maria Kallieri, Myrto Blizou, Stefanos Lampadakis, Maria Sfika, Antonios Krouskos, Vasileios Papavasileiou, Franceska Strakosha, Kalliopi Theoni Vandorou, Pavlos Siozos, Marina Moustaka Christodoulou, Georgia Kontonasiou, Vasiliki Apollonaton, Elvira Markella Antonogiannaki, Christos Kyriakopoulos, Christina Aggelopoulou, Christos Chronis, Konstantinos Kostikas, Evangelia Koukaki, Zoi Sotiropoulou, Athanasia Athanasopoulou, Petros Bakakos, Pinelopi Sxini, Emmanouil Alevrakis, Sotirios Poupos, Evangelia Chondrou, Dionisis Tsoukalas, Alexia Chronaiou, George Tsoukalas, Sofia Koukidou, Georgios Hillas, Katerina Dimakou, Konstantinos Roukas, Ifigenia Nakou, Diamantis Chloros, Evangelia Fouka, Spyros A Papiris, Stelios Loukides

Influence of comorbid pathology on the formation of the post-Covid syndrome

Olena Pidverbetska (Chernivtsi, Ukraine), Liliia Todoriko

COVID 19 in Indian healthcare workers- a case series

Devasahayam Jesudas Christopher (Vellore (Tamil Nadu), India), Sekar Rajasekar, Deepa Shankar, Barney Isaac, Balamugesh Thangakunam

Shunt fraction and radiological involvement in Covid-19 related Acute Respiratory Failure

Luca Novelli (Bergamo, Italy), Luca Malandrino, Maurizio Balbi, Federico Raimondi, Simone Pappacena, Chiara Allegri, Marisa Anelli, Roberta Trapasso, Roberta Biza, Gianmario Marchesi, Fabiano Di Marco

Body mass index and COVID-19 disease; patient characteristics, complications and outcome.

Ahmed Kabil (Cairo, Egypt), Moaaz Atef, Hossam Abdelmoez

Impact of COVID-19 on patients with PiZZ alpha1-antitrypsin deficiency: the IMCA1 study revisited.

David G. Parr (Coventry (West Midlands), United Kingdom), Joanna Chorostowska-Wynimko, Angelo Corsico, Cristina Esquinas, Gerard McElvaney, Annelot Sark, Maria Sucena, Hanan Tanash, Alice Turner, Marc Miravittles

Impact age-adjusted Charlson comorbidity index on hospital and one year mortality in Chilean patients with COVID-19

Felipe Cayupi (Santiago, Chile), Miljenko Lolas, Francisco Arancibia, María José Corrales, Juan Pablo Cuevas, Daniel Ramos, Constanza Tamblay, Karina Ramirez, Janiele Venegas, Jorge Cheg, Roberto Gonzalez, Elias Chahuan, Carolina Camp

Clinical impact of COVID-19 in patients with chronic obstructive pulmonary disease

Carlos Manzano Senra (Lleida, Spain), Ivan D Benítez, Anna Moncusi-Moix, Clara Gort-Paniello, Sally Santistevé, Jordi De Batlle, Jessica González, Ferran Barbé

Effects of submaximal exercise on respiratory mechanics in subjects after COVID-19: a descriptive observational study

Lucas Botelho Azevedo (Ribeirão Preto, Brazil), Daniele Oliveira Dos Santos, Jéssica Perossi Nascimento, Thales Henrique Carmo Furquim, Ana Catarine Veiga, Naiara Teixeira Chinellato, Viviane Nunes Ferreira Csizmar, Livia Pimenta Bonifácio, Fernando Bellissimo Rodrigues, Hugo Celso Dutra Souza, Ada Clarice Gastaldi

Critical course of COVID-19 risk assessing. Ambulatory stage of treatment analysis.

Nataliia Kravchenko (Dnipro, Ukraine), Olha Cherkasova, Lyubov Korsun, Anastasiia Fominykh, Bohdan Chernolevsky

DIABETES AND SARS COV-2 INFECTION: PREVALENCE AND IMPACT ON SEVERITY

Slim Ghedira (TUNIS, Tunisia), Sarra Maazaoui, Amany Touil, Sonia Habibeche, Hajer Racil, Nawel Chaouch

PS-10 in poster area

Session

16:00 - 17:30

Poster session: Cystic fibrosis: disease monitoring, biomarkers, and psychosocial issues**Disease(s) :** Airway diseases Interstitial lung diseases**Method(s) :** Imaging Pulmonary function testing Epidemiology Cell and molecular biology Pulmonary rehabilitation Public health
General respiratory patient care Physiology**Chairs :** Mirjam Stahl (Berlin, Germany)**Lateral decubitus CT: an alternative technique to monitor structural lung disease in preschool children with cystic fibrosis**

Yuxin Chen (Rotterdam, Netherlands), Rikke Mulvad Sandvik, Lotte Borgwardt, Pierluigi Ciet, Kim Gjerum Nielsen, Harm A. W. M. Tiddens

Correlation of lung function using forced oscillation technique with spirometry in children with cystic fibrosis (CF)

Sachin Singh (Rajkot, Gujarat, India), Meenu Singh, Joseph Mathew

Role of nursing in the detection of allelic variants of the gene alpha-1-antitrypsin in patients with cystic fibrosis.

Rocio Reinoso Arijá (Sevilla, Spain), Pedro Francisco Garcia Tamayo, Maria Rosario Ruiz-Serrano De La Espada, Maria Dolores Nuñez Ollero, David Chacon Cadiz, Maria Dolores Ucero Leon, Jorge Cabrera Guerrero, Candido Fernandez Garcia, Carmen Sanchez De La Puerta Laguna, Isabel Delgado Pecellin, Maria Esther Quintana Gallego, Laura Carrasco Hernandez, Jose Luis Lopez-Campos Bodineau

SPLUNC1 in sputum of children with cystic fibrosis pulmonary exacerbations

Elad Ben-Meir (Shoham, Israel), Lucy Perrem, Felix Ratjen, Hartmut Grasemann

Physical activity, six-minute-walking test, and quality of life in people with cystic fibrosis

Elpis Hatziaiorou (Panorama, Thessaloniki, Greece), John Kouslis, Elisavet-Anna Chrysochoou, Evangelia Kouidi, John Tsanakas

Project Fizzyo: Identification of optimal pressure-length breath profiles for airway clearance techniques in children with cystic fibrosis

Nicole Filipow (London, United Kingdom), Emma Raywood, Sanja Stanojevic, Gwyneth Davies, Helen Douglas, Harriet Shannon, Nicky Murray, Rachel O'Connor, Eleanor Main

Parental socioeconomic status and lung function in offspring with cystic fibrosis in Sweden- a register-based cohort study

Emma Caffrey Osvald (Stockholm, Sweden), Cecilia Lundholm, Samuel Arthur Rhedin, Awad I Smew, Bronwyn K Brew, Isabelle De Monestrol, Catarina Almqvist

Assessment of knowledge of general practitioners about Cystic fibrosis in Multan, Pakistan
Abdul Mannan Mustafa (Multan, Pakistan), Ghulam Mustafa

Respiratory microbiota profiles are associated with respiratory health in infants with cystic fibrosis
Ruth Steinberg (Bern, Switzerland), Philipp Latzin, Markus Hilty, Kathryn Ramsey, Marc Alexander Oestreich, Bettina Frauchiger, Elisabeth Kieninger, Insa Korten, Bild Bild Study Group, Scild Scild Study Group

Microbiological status predicts lung function decline in cystic fibrosis
Elpis Hatziagorou (Panorama, Thessaloniki, Greece), Marina Kotzamani, Persefoni Talimtz, Maria Tsolia, Elissavet-Anna Chrysochoou

Exploring the attitudes and knowledge of the caregivers of children with cystic fibrosis and primary ciliary dyskinesia regarding COVID-19 vaccination
Pinar Ergenekon (Istanbul, Turkey), Cansu Yilmaz Yegit, Muruvvet Yanaz, Aynur Gulieva, Mine Kalyoncu, Merve Selcuk, Seyda Karabulut, Neval Metin Cakar, Ela Erdem Eralp, Yasemin Gokdemir, Bulent Karadag

Airway colonisation with *Aspergillus fumigatus* and its impact on the CF microbiota
Deepa Patel (Leicester, United Kingdom), Paul Seear, Catherine Pashley, Erol Gaillard

Comparison of the corrected N2-lung clearance index with SF6-lung clearance index and magnetic resonance imaging
Eva Steinke (Berlin, Germany), Mark O. Wielpütz, Cornelia Joachim, Marcus A. Mall, Mirjam Stahl

Airway infections as risk factors for *Pseudomonas aeruginosa* acquisition and chronic colonisation in children with cystic fibrosis
Harriet Corvol (Paris, France), Julie Mesinele, Manon Ruffin, Loic Guillot, Pierre-Yves Boelle

Identifying Knowledge Gaps by Using Adapted CF R.I.S.E in a Low Resource Setting
MERVE Selcuk (Istanbul, Turkey), Yasemin Gokdemir, Ela Erdem Eralp, Almala Pinar Ergenekon, Cansu Yilmaz Yegit, Muruvvet Cenk Yanaz, Aynur Gulieva, Mine Kalyoncu, Seyda Karabulut, Burcu Uzunoglu, Gamze Tastan, Damla Kocamaz, Ozge Kenis Coskun, Ilknur Gorgun, Randy Messier, Pamela Mertz, Fazilet Karakoc, Bulent Karadag

Transition Program as a Quality Improvement Project: Adaptation of the CF R.I.S.E. in a center with Limited Resources
Yasemin Gokdemir (Istanbul, Turkey), Merve Selcuk, Ela Erdem Eralp, Almala Pinar Ergenekon, Cansu Yilmaz Yegit, Muruvvet Yanaz, Aynur Gulieva, Mine Kalyoncu, Seyda Karabulut, Burcu Uzunoglu, Gamze Tastan, Damla Kocamaz, Ozge Kenis Coskun, Ilknur Gorgun, Randy Messier, Pamela Mertz, Fazilet Karakoc, Bulent Karadag

Classification of cystic fibrosis (CF) lung disease patterns based on CT texture analysis and machine learning
Francesca Pennati (Milano (MI), Italy), Pietro Quadri, Irene Borzani, Maria Chiara Russo, Valeria Daccò, Gianpaolo Carrafiello, Carla Colombo, Andrea Aliverti

Respiratory rate from pulse oximetry during cystic fibrosis exacerbations
David Wertheim (Kingston-upon-Thames, United Kingdom), Catherine Olden, Claire Edmondson, Jane C Davies, Paul Seddon

Evaluation of Alexitimia Level in Cystic Fibrosis Patients
FATİH ERCAN (konya, Turkey), Semih Erden, Nail Bilgitay, Sevgi Pekcan, Gökçen Ünal, Aslı İmran Yılmaz, Hanife Tuğçe Çağlar

Evaluation of respiratory function at 6 years of age in patients with cystic fibrosis with frequent pulmonary exacerbations in the first 2 years of life
sati ozkan tabakci (Ankara, Turkey), Güzin Cinel, Salih Uytun, Sanem Eryılmaz Polat, Ebru Yalçın, Nural Kiper, Meltem Akgül Erdal, Velat Şen, Suat Savaş, Özcan Çelebi, Derya Ufuk Altıntaş, Mahir Serbes, Ayşe Ayzıt Kılınç, Haluk Çokuğraş, Hüseyin Arslan, Hakan Yazan, Hale Molla Kafi, Abdülhamit Çollak, Gökçen Ünal, Aslı İmran Yılmaz, Hanife Tuğçe Çağlar, İlim İrmak, Ebru Damadoğlu, Gökçen Kartal Öztürk, Esen Demir, Erdem Başaran, Ayşen Bingöl, Yakup Canitez, Şükrü Çekiç, Pelin Asfuroğlu, Ayşe Tana Aslan, Koray Harmanlı, Gonca Kılıç, Mehmet Köse, Ali Ersoy, Melih Hangül, Ali Özdemir, Gizem Özcan, Nazan Çobanoğlu, Zeynep Gökçe Gayretli Aydın, Özlem Keskin, Hasan Yüksel, Şebnem Özdoğan, Erdem Topal, Gönül Çaltepe, Demet Can, Pervin Korkmaz Ekren, Mehmet Kılıç, Tuğba Şişmanlar Eyüboğlu, Sevgi Pecan, Erkan Çakır, Nagehan Emiralioglu, Uğur Özçelik, Deniz Doğru Ersöz

PS-9 in poster area

Session

16:00 - 17:30

Poster session: Nutrition, lifestyle and obesity in paediatric asthma and allergic rhinitis

Disease(s) : Airway diseases Respiratory critical care

Method(s) : Cell and molecular biology Epidemiology Pulmonary function testing Public health General respiratory patient care Respiratory intensive care

Chairs : Erick Forno (Indianapolis, United States)

Asthma and atopy in overweight children

Valentina Cvejaska-Cholakovska (Skopje, North Macedonia), Emilija Vlashki, Vesna Velikj-Stefanovska

Data-driven model links BMIz to gene expression in pediatric asthma

Vincent Dandenaault (Montreal, Canada), Nehme Hachem, Ian M Adcock, Lars I. Andersson, Charles Auffray, Fan K Chung, Sven-Erik Dahlén, Bertrand De Meulder, Ratko Djukanovic, Peter Howarth, Richard G Knowles, Norbert Krug, Amanda Roberts, Ana R Sousa, Peter J. Sterk, David Supple, Navin Rao, Graham Roberts, Mohib Uddin, Scott Wagers, Anke-Hilse Maitland-Van Der Zee, Cristina Longo

Late Breaking Abstract - High flow humidified oxygen as an early intervention in children with acute severe asthma - a feasibility randomised controlled trial

Paul Seddon (West Sussex, United Kingdom), Hector Rojas-Anaya, Akshat Kapur, Graham Roberts, Damian Roland, Atul Gupta, Michaela Lazner, David James, Shane Fitzgerald, Fleur Cantle, Stephen Bremner

Altered sphingolipid metabolism in childhood asthma and obesity

Antonisamy Belavendra (Doha, Qatar), Harshita Shailesh, Yahya Hani, Safa Noor, Lena Hasabelgavi, Mohammed Alfaki, Shana S Jacob, Saroja Kotegar Balayya, Stefan Worgall, Ibrahim Ahmed Janahi

Examining the Longitudinal Association between Smoking Exposure, Atopic Indices, and Allergies during Early Childhood

Chih-Yung Chiu (Taoyuan, Taiwan), Ming-Han Tsai, Kuan-Wen Su, Kuo-Wei Yeh, Jing-Long Huang

Clinical usefulness of Electrical Impedance Tomography (EIT) in the evaluation of obese asthmatic children' ventilation: a pilot case-control study

Youssra Belhaj (Milano, Italy), Simone Gambazza, Mara Lelii, Barbara Madini, Alessia Rocchi, Lucia Cerrato, Antonella Gambadauro, Marta Piotto, Maria Francesca Patria

Maternal BMI and smoking as mediators in the maternal education – offspring asthma association in a register-based cohort

Cecilia Lundholm (Stockholm, Sweden), Emma Caffrey Osvald, Samuel Arthur Rhedin, Catarina Almqvist

Regular physical activity in children: Does it improve pediatric asthma?

senda derouiche (Tunisia, Tunisia), Sabrine Louhaichi, Siwar Rejeb, Aymen Jebali, Farah Garci, Jamel Ammar, Besma Hamdi, Agnès Hamzaoui

Prevalence of allergy and asthma in school children and their families in South Punjab, Pakistan

Abdul Mannan Mustafa (Multan, Pakistan), Ghulam Mustafa

The impact of the paracetamol use on rhinitis prevalence

Francisco-Javier Gonzalez Barcala (Santiago de Compostela, Spain), Antonio Acevedo, Angel Lopez-Silvarrey, Maria-Teresa Seoane-Pillado, Francisco-Javier Salgado, Juan-Jose Nieto-Fontarigo, Sonia Pertega, Juan-Manuel Sanchez-Lastres, Miguel-Angel San-Jose, Luis Bamonde, Luciano Garnelo, Teresa Perez-Castro, Manuel Sampedro

Neuropsychiatric adverse side-effects of montelukast in children – a Danish nationwide register study.

Louise Toennesen (København K, Denmark), Alexander Jordan, Josefin Eklof, Pradeesh Sivapalan, Astrid Sevelsted, Klaus Bønnelykke, Charlotte Suppli Ulrik, Jens-Ulrik Stæhr Jensen

"Multi-omics" approach reveals new potential biomarkers in tears of asthmatic children

Marina Attanasi (Chieti (CH), Italy), Maria Concetta Cufaro, Laura Sgrazzutti, Beatrice Dufrusine, Ilaria Cicalini, Paola Di Filippo, Giulia Dodi, Sabrina Di Pillo, Francesco Chiarelli, Damiana Pieragostino

Polysensitization in children: Clinical and allergenic characteristics

Hela Cherif (Tunis, Tunisia), Chaima Baya, Salma Mokaddem, Oumaima Belakhel, Mariem Triki, Ferdaous Yangui, Mohamed Ridha Charfi

Difference in clinical characteristics between children and adults with allergen immunotherapy in Korea

Hyemi Jee (Seongnam, Republic of Korea), Ju Hee Kim, Young Hyo Kim, Jung-Won Park, Youngmin Ahn, Jeong-Hee Choi, Hye-Sung Baek, Mi-Ae Kim, Hwa Young Lee, Seon Tae Kim, Kyung Hee Park, Man Yong Han

Asthmatic children with an early wheezing: A distinct phenotype?

Mohamed aymen Jebali (tunis, Tunisia), Sabrine Louhaichi, Siwar Rejeb, Synda Derouiche, Farah Garci, Houneida Ben Zekri, Jamel Ammar, Besma Hamdi, Agnes Hamzaoui

Aerosol performance and sealing evaluation of new valved holding chamber face masks for babies and children

Yvonne Burmeister (Starnberg, Germany), Andrea Winzen, Karin Steinführer, Rosina Ledermüller

Asthma in children and dust mite sensitization: what characteristics?

Siwar Rejeb (tunis, Tunisia), Hamdi Besma, Jebali Aymen, Derouiche Senda, Garci Farah, Ammar Jamel, Louhaichi Sabrine, Agnès Hamzaoui

Use of air purifiers in homes to improve asthma outcomes for children: a pilot study protocol
Karl Holden (Liverpool, United Kingdom), Alice Lee, Daniel Hawcutt, Ian Sinha

Late Breaking Abstract - Title: Association between Apgar-scores within normal range and development of asthma, allergy, and eczema in childhood: a Danish nationwide register study
Erik Sören Halvard Hansen (Lejre, Denmark), Hannah Kaiser, Kristine Tronier Hansen, Klaus Bønnelykke, Bo Chawes, Vibeke Backer, Charlotte Suppli Ulrik, Christian Torp-Pedersen, Nicklas Brustad

Late Breaking Abstract - Clinical efficacy and satisfaction with a digital wheeze detector supporting the self-management of childhood wheeze
Yen Hoang Do (Berlin, Germany), Wim Van Aalderen, Ellen Dellbrügger, Claude Grenzbach, Jonathan Grigg, Eric Haarman, Bulent Karadag, Siri Roßberg, Tina-Maria Weichert, Abigail Whitehouse, Paolo Maria Matricardi, Stephanie Dramburg

PS-12 in poster area Session 16:00 - 17:30

Poster session: Airway clearance, physical activity and exercise in children and adults with respiratory disorders

Disease(s) : Pulmonary vascular diseases Respiratory critical care Airway diseases Interstitial lung diseases Sleep and breathing disorders

Method(s) : General respiratory patient care Physiology Pulmonary rehabilitation Imaging Public health Pulmonary function testing Epidemiology Respiratory intensive care

Chairs : Rainer Gloeckl (Schoenau am Koenigssee, Germany), Naciye Vardar Yağlı (Ankara, Turkey)

Is it possible to evaluate the relationship between strength and respiratory muscle performance with motor performance in premature newborns in the neonatal period?
Evelim Gomes (São Paulo (SP), Brazil), Debora Anjos, Carolina Camargo, Etienne Carvalho, Dirceu Costa, Eneida Suda

Evaluating physiotherapy interventions for infants with bronchiolitis – a survey study
Sonja Andersson Marforio (Hjörup, Sweden), Annika Lundkvist Josenby

Inspiratory muscle training for children and adolescents with spinal muscular atrophy, who are treated with nursinersen
Sara Hedén (Eslöv, Sweden), Annika Lundkvist-Josenby

Peripheral muscle mass and motor performance is there a relationship in the neonatal period in premature newborns?
Camargo Carolina (São Paulo, Brazil), Debora Anjos, Etienne Carvalho, Eneida Suda, Dirceu Costa, Evelim Gomes

Respiratory symptoms and access to physiotherapy in children with cerebral palsy in Albania
Malvina Hoxha (Tirana, Albania), Visar Malaj, Emanuela Prendi, Bruno Zappacosta

The effect of a mechanical insufflation exsufflation titration protocol on delivered settings in patients with neuromuscular disease.
Sophie Madden-Scott (London, United Kingdom), Neeraj Shah, Karthhika Jeyakumar, Laura Weatherley, Lauren Joyce, Georgios Kaltsakas, Nicholas Hart, Patrick Murphy, Leyla Osman

Assessing personalised airway clearance techniques in Primary Ciliary Dyskinesia with 129Xe ventilation MRI
Lynne Schofield (Leeds, United Kingdom), Laurie Smith, Alberto Biancadi, Evie Robson, Helen Marshall, David Capener, Jody Bray, Leanne Armstrong, Jen Rodgers, Ryan Munro, Graham Norquay, Oliver Rodgers, Shagufta Fazal, Anna Zalewska, Susanne Shanks, David Hughes, Daniel Hind, Sally Singh, Eduardo Moya, Noreen West, Jim Wild

Evaluating the effects of MetaNeb® compared to usual airway clearance techniques during exacerbations of cystic fibrosis: A randomised controlled trial
Naomi Chapman (Kewdale, Australia), Vinicius Cavalheri, Elizabeth Smith, Jamie Wood, Angela Jacques, Anna Tai, Siobhain Mulrennan, Kylie Hill

Feasibility and safety evaluation of a novel airway clearance system in patients with bronchiectasis
Moshe Ashkenazi (ramat gan, Israel), Nir Hel[er, Gil Sokol, Adi Dagan, Ori Efrati

Clinical application of intrapulmonary percussive ventilation: a systematic scoping review
Anwar Hassan (Glenmore Park, Australia), Sidney Takacs, Sam Orde, Stephen Huang, Jennifer Alison, Maree Milross

What Are The Factors Affecting Respiratory Muscle Functions in Idiopathic Pulmonary Fibrosis?:A Preliminary Study
Özge Ertan Harputlu (İstanbul, Turkey), Zeynal Yasacı, Tugce Tahmaz, Goksen Kuran Aslan, Esen Kıryan, Gulfer Okumus

Relationship between anaerobic power and exercise capacity in cystic fibrosis with impaired glucose tolerance
Deniz Inal-Ince (Ankara, Turkey), Elif Kocaaga, Dilber Ademhan-Tural, Cemile Bozdemir-Ozel, Ebru Calik-Kutukcu, Naciye Vardar-Yagli, Melda Saglam, Deniz Dogru, Ayfer Alikasifoglu, Nagehan Emiralioglu

Exercise capacity, inflammation, hemodynamic and macrovascular function in children with CF in different genders
Senem Simsek (Ankara, Turkey), Aslihan Cakmak, Meltem Akgul-Erdal, Yasemin Kartal, Murat Timur Budak, Suna Sabuncuoglu, Nagehan Emiralioglu, Elmas Ebru Gunes-Yalcin, Deniz Inal-Ince

Impaired muscle oxygenation, exercise capacity, and activities of daily living in primary ciliary dyskinesia with inspiratory muscle weakness
Hazal Sonbahar Ulu (Ankara, Turkey), Deniz Inal Ince, Aslihan Cakmak, Naciye Vardar Yagli, Melda Saglam, Ebru Calik Kutukcu, Ugur Ozcelik

Inspiratory muscle strength is an independent predictor for six-minute walk distance in primary ciliary dyskinesia
Hazal Sonbahar Ulu (Ankara, Turkey), Deniz Inal Ince, Aslihan Cakmak, Melda Saglam, Naciye Vardar Yagli, Ebru Calik Kutukcu, Ugur Ozcelik

Determinants of daily steps in people with interstitial lung disease
Ana Sofia Brites Grave (Alcobaça, Portugal), Cátia Paixão, Joana Antão, Francisca Teixeira Lopes, Vânia Fernandes, Maria Aurora Mendes, António Mesquita Montes, Alda Marques

Daily activities prioritised by people with interstitial lung disease
Alda Sofia Pires De Dias Marques (Aveiro, Portugal), Raquel Marinho, Cátia Paixão, Luís Lázaro, M Aurora Mendes, Sérgio Campainha, J. Joaquim Alvarelhão

Efficacy of respiratory physiotherapy in the management of infectious pleural effusion (IPE): a randomized clinical trial
Julia Tarrega Camarasa (Granollers, Spain), Inmaculada Castillo, Enric Barbeta

Physiotherapy management of adults with bronchiectasis. Service evaluation from a UK tertiary hospital.
Gemma Louise Korff (London, United Kingdom), Massimiliano Puddu, Yvonne Rumble, Arietta Spinou

Late Breaking Abstract - Effects of a symptom-based rehabilitation on cardiopulmonary exercise capacity in post COVID-19: A preliminary subgroup analysis of the ReLoAd cohort
Daniela Leidl (Schönau a. Königssee, Germany), Tessa Schneeberger, Inga Jarosch, Rainer Gloeckl, Sandra Winterkamp, Andreas Rembert Koczulla

PS-2 in poster area

Session

16:00 - 17:30

Poster session: Translational research in chronic obstructive pulmonary disease

Disease(s) : [Airway diseases](#) [Interstitial lung diseases](#)

Method(s) : Cell and molecular biology Pulmonary function testing Endoscopy and interventional pulmonology Epidemiology Imaging

Chairs : Audrey Joannes (RENNES, France), Slaven Crnkovic (Graz, Austria)

Testing the novel Q0genova deletion in patient with Alpha1-antitrypsin Deficiency
Valentina Barzon (Casanova Lonati (PV), Italy), Stefania Ottaviani, Alice Maria Balderacchi, Alessandra Corino, Sara Magni, Davide Piloni, Angelo Guido Corsico, Ilaria Ferrarotti

Is the association between the severity of airflow limitation and DNA Methylation similar in blood and lung tissue in patients with COPD?
Sandra Casas Recasens (Barcelona, Spain), Nuria Mendoza, Nuria Olvera, Lidia Perea, Tamara Garcia, Oriol Sibila, Àlvar Agustí, Rosa Faner

AIF1 may stimulate the M1 polarization of alveolar macrophages and further promote the development of inflammatory response in COPD
Lian Liu (Chengdu (Sichuan), China)

Polymorphisms in the Sulfatase Modifying Factor 1 (SUMF1) gene are associated with lung function parameters in patients with COPD
Charikleia Ntenti (Thessaloniki, Greece), Antonis Goulas, Leticia Grize, Eleni Papakonstantinou, Michael Tamm, Daiana Stolz

Clinical profile in patients with severe alpha-1 antitrypsin deficiency due to rare genotypes
Stefania Ottaviani (Pavia (PV), Italy), Davide Piloni, Asia Filosa, Valentina Barzon, Alice Maria Balderacchi, Luciano Corda, Christine Seebacher, Alessandra Corino, Sara Magni, Francesca Mariani, Paolo Baderna, Marco Confalonieri, Leonardo Iannacci, Silvia Mancinelli, Paola Putignano, Giulia Maria Stella, Maria Cristina Monti, Angelo Guido Corsico, Ilaria Ferrarotti

Genetic variants in the Iron responsive element binding protein 2 (IREB2) are associated with spirometry parameters and cough prevalence

Charikleia Ntenti (Thessaloniki, Greece), Antonis Goulas, Leticia Grize, Eleni Papakonstantinou, Michael Tamm, Daiana Stolz

MicroRNA-149-3p regulates cigarette smoke extract-induced autophagy and cellular senescence in human small airway epithelial cells (NHBE) cultured under the air-liquid interface (ALI)

Jeong-Woong Park (Incheon, Republic of Korea), Eun Suk Son, Sung Hwan Jeong

FKBP5 rs4713916: A potential genetic predictor of differential response to triple therapy among COPD patients

Charikleia Ntenti (Thessaloniki, Greece), Antonis Goulas, Eleni Papakonstantinou, Leticia Grize, Michael Tamm, Daiana Stolz

Lung fibroblasts from COPD patients show deficient gene expression in response to cigarette smoke extract

Martin Garcia-Ryde (Lund, Sweden), Nicole Van Der Burg, Anna-Karin Larsson Callerfelt, Gunilla Westergren-Thorsson, Leif Björner, Ellen Tufvesson

Profile of myostatin regulation and downstream mechanisms in the sarcopenia of severe COPD patients

Adriana Núñez Robainas (Barcelona, Spain), María Guitart, Antonio Sancho Muñoz, Esther Barreiro

Exome seq of patients with severe COPD and advanced emphysema

Alen Faiz (Ultimo (NSW), Australia), Simon D. Pouwels, Victor Guryev, Fia S. Boedijono, Huib Kerstjens, Karin Klooster, Jorine E. Hartman, Wim Timens, Corry-Anke Brandsma, Dirk-Jan Slebos, Maarten Van Den Berge

Is the lower airways microbiome associated with coronary calcification?

Christina Due Svendsen (Bergen, Norway), Rune Nielsen, Solveig Tangedal, Kris Ostridge, Eli Nordeide, Terje Hjalmar Larsen, Karel Kuiper, Tomas Mikal Egan

Identification of negative regulators of Wnt/ β -catenin signaling in lung epithelial cells through whole genome CRISPR screen

Markus Tammia (Mölnådal, Sweden), Anna Dickson, Niamh Mullooly, Adam Corrigan, Alessia Serrano, Yaxin Xue, Chang Kim, Ewa Kolosionek, Stefan Vollmer, Bairu Zhang, Leire Escudero-Ibarz, Valentina Quarantotti, Gabriella Leung, Daniela Cornacchia, Sandeep Botla, Linn Kullberg, Louise Stjernborg, Olivia Pembroke, Mahya Dezfouli, Naomi Lyons, Joseph Collin, Leif Wigge, Anna Forslöv, Mirko Messa, Roxane Paulin, Ceri Wiggins, Bilada Bilican, Henric Olsson, Davide Gianni

Early COPD and Hedgehog interacting protein (HHIP) polymorphisms

Mohamed Zakaria LAHMAR (Montpellier, France), Engi Ahmed, Isabelle Vachier, Aurelie Fort, Nicolas Molinari, Anne Bergougnot, Arnaud Bourdin

Cigarette smoking, COPD and the sex chromosomes

Karosham (Diren) Reddy (Glebe, Australia), Dikaia Xenaki, Senani Rathnayake, Sobia Idrees, Fia Boedijono, Matthew Padula, Maarten Van Den Berge, Alen Faiz, Brian Oliver

Identification of disease modifier genetic variants in PiZZ patients with alpha-1 antitrypsin deficiency

Beatriz Martinez Delgado (Madrid, Spain), Janam Lalchandani, Sara Gil-Martin, Sara Perez-Luz, Nerea Matamala, Guillermo Pita, Santiago Jacob, Javier Martin, Myriam Calle, Juan Luis Rodriguez Hermosa, Francisco Casas, Lourdes Lázaro, Jose María Hernandez, Jose Luis Lopez-Campos, Ana Bustamante, Francisco Javier Callejas, Silvia Castillo, Marc Miravittles, María Torres Durán, Gema Gomez-Mariano

Differential DNA Methylation Associated with COPD and COPD Severity

Jos van Nijntzen (Groningen, Netherlands), Alen Faiz, Cornelis Joseph Vermeulen, Wim Timens, Maaike De Vries, Rosa Faner, Pieter Hiemstra Hiemstra, Corry-Anke Brandsma, Maarten Van Den Berge

Polymorphism endothelin-1 gene (Lys198Asn) in airway remodeling and increased endothelial dysfunction in COPD

Elnorahon Abduganieva (Tashkent, Uzbekistan)

Late Breaking Abstract - Characterization of goblet cell metaplasia according to small airway generation and emphysema progression in human lungs

Charlotte de Fays (Loverval, Belgium), Vincent Geudens, Yousry Mohamady, Lucia Aversa, Gitte Aerts, Charlotte Hooft, Bruno Detry, Marylene Lecocq, Caroline Bouzin, Sophie Gohy, Ghislaine Gayan-Ramirez, Robin Vos, Bart Vanaudenaerde, Charles Pilette

Development of a next generation sequencing assay for detection of A1AT deficiency

Susana Catarino (Derio, Spain), Lorena Alonso, Monika Landeta, Ana Vivanco, Marta Artieda, Amaia Larruskain, Monica Lopez

Gold Session 17:15 - 18:45

Assembly members' meeting: Assembly 1: Respiratory clinical care and physiology

Chairs : Ioannis Vogiatzis (Blyth, United Kingdom), Frits M.E. Franssen (Horn, Netherlands)

17:15 Assembly members meeting: presentation, discussion and Q&A
Ioannis Vogiatzis (Blyth, United Kingdom)

Silver Session 17:15 - 18:45

Assembly members' meeting: Assembly 2: Respiratory intensive care

Chairs : Christian Karagiannidis (Cologne, Germany), João Carlos Winck (Vila Nova de Gaia, Portugal)

17:15 Assembly members meeting: presentation, discussion and Q&A
Christian Karagiannidis (Cologne, Germany)

Amber 5+6 Session 17:15 - 18:45

Assembly members' meeting: Assembly 3: Basic and translational sciences

Chairs : H. Irene Heijink (Groningen, Netherlands), Niki L. Reynaert (Maastricht, Netherlands)

17:15 Assembly members meeting: presentation, discussion and Q&A
H. Irene Heijink (Groningen, Netherlands)

Coral 4+5 Session 17:15 - 18:45

Assembly members' meeting: Assembly 4: Sleep disordered breathing

Chairs : Winfried J. Randerath (Solingen, Germany), Sophia E. Schiza (Heraklion, Greece), Esther Irene Schwarz (Zürich, Switzerland)

17:15 Assembly members meeting: presentation, discussion and Q&A
Winfried J. Randerath (Solingen, Germany)

Coral 3 Session 17:15 - 18:45

Assembly members' meeting: Assembly 5: Airway diseases, asthma, COPD and chronic cough

Chairs : Omar S. Usmani (London, United Kingdom), Apostolos Bossios (Stockholm, Sweden), Florence Schleich (Liège, Belgium)

17:15 Assembly members meeting: presentation, discussion and Q&A
Omar S. Usmani (London, United Kingdom)

Coral 2 Session 17:15 - 18:45

Assembly members' meeting: Assembly 6: Epidemiology and environment

Chairs : Charlotte Suppli Ulrik (Virum, Denmark), Ane Johannessen (Bergen, Norway), Rafael E. de la Hoz (New York, United States)

17:15 Assembly members meeting: presentation, discussion and Q&A
Charlotte Suppli Ulrik (Virum, Denmark)

Coral 1 Session 17:15 - 18:45

Assembly members' meeting: Assembly 7: Paediatrics

Chairs : Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Alexander Möller (Zürich, Switzerland), Refika Hamutcu Ersu (Ottawa, Canada)

17:15 Assembly members meeting: presentation, discussion and Q&A
Marielle W.H. Pijnenburg (Rotterdam, Netherlands)

Amber 7+8 Session 17:15 - 18:45

Assembly members' meeting: Assembly 8: Thoracic surgery and transplantation

Chairs : Federica Meloni (Pavia (PV), Italy), Marcello Migliore (Riyadh, Saudi Arabia)

17:15 Assembly members meeting: presentation, discussion and Q&A
Federica Meloni (Pavia (PV), Italy)

Purple Session 17:15 - 18:45

Assembly members' meeting: Assembly 9: Allied respiratory professionals

Chairs : Daniel Langer (Leuven, Belgium), Jellien Makonga-Braaksma (Woudenberg, Netherlands)

17:15 Assembly members meeting: presentation, discussion and Q&A
Daniel Langer (Leuven, Belgium)

Red 1+2 Session 17:15 - 18:45

Assembly members' meeting: Assembly 10: Respiratory infections

Chairs : Eva Polverino (Barcelona, Spain), Raquel Duarte (Porto, Portugal), Onno Akkerman (Groningen, Netherlands)

17:15 Assembly members meeting: presentation, discussion and Q&A
Eva Polverino (Barcelona, Spain)

Brown 3 Session 17:15 - 18:45

Assembly members' meeting: Assembly 11: Thoracic oncology

Chairs : Torsten Gerriet Blum (Berlin, Germany), Najib M. Rahman (ABINGDON, United Kingdom)

17:15 Assembly members meeting: presentation, discussion and Q&A
Torsten Gerriet Blum (Berlin, Germany)

Brown 1+2 Session 17:15 - 18:45

Assembly members' meeting: Assembly 12: Interstitial lung diseases

Chairs : Katerina Antoniou (Heraklion, Greece), Michael Kreuter (Heidelberg, Germany)

17:15 Assembly members meeting: presentation, discussion and Q&A
Katerina Antoniou (Heraklion, Greece)

Blue 1+2 Session 17:15 - 18:45

Assembly members' meeting: Assembly 13: Pulmonary vascular diseases

Chairs : Anton Vonk Noordegraaf (Amsterdam, Netherlands), Olivier Sitbon (Le Kremlin-Bicêtre, France)

17:15 Assembly members meeting: presentation, discussion and Q&A
Anton Vonk Noordegraaf (Amsterdam, Netherlands)

Yellow 1+2+3 Session 17:15 - 18:45

Assembly members' meeting: Assembly 14: Clinical techniques, imaging and endoscopy

Chairs : Walter De Wever (Leuven, Belgium), Elżbieta Magdalena Grabczak (Warszawa, Poland)

17:15 Assembly members meeting: presentation, discussion and Q&A
Walter De Wever (Leuven, Belgium)

Studio (White)	Session	08:30 - 09:20
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Experts interview: Tobacco, e-cigarette and cannabis epidemic in youth / Indoor air pollution

Chairs : Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Nicolas Roche (Paris, France)

08:30	Tobacco, e-cigarette and cannabis epidemic in youth Elif Dagli (Istanbul, Turkey)
08:45	Discussion and Q&A
08:55	Indoor air pollution Speaker to be confirmed
09:10	Discussion and Q&A

Brown 1+2	Session	09:00 - 10:45
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Wednesday special session: How to reduce the tobacco and e-cigarette epidemic in youth

Aims : To provide insights into rapidly increasing prevalence of e-cigarettes, novel nicotine and tobacco products use among adolescents and youth in Italy, Europe and globally. To present the two latest 2023 ERS statements on Tobacco 21 and on Novel nicotine and tobacco products and harm reduction and brainstorm together with the session participants on their implications for both tobacco control and clinical field. To identify, using the example of Italy, existing regulation gaps and discuss how they should be tackled in the tobacco and nicotine endgame strategies to achieve tobacco-free generation goal.

Chairs : Elif Dagli (Istanbul, Turkey), Chair to be confirmed

09:00	Tobacco 21 policies: addressing smoking and ENDS use in young people Speaker to be confirmed
09:10	Brainstorming session: how to make 21+ tobacco approach a reality in Europe? Influencing national and EU agenda Speaker to be confirmed
09:40	Video testimonial on vaping prevalence in schools and among youth Speaker to be confirmed
09:45	ERS position on harm reduction and novel products Filippos T. Filippidis (Rickmansworth, United Kingdom)
09:55	Trends in the use of electronic cigarettes, heated and smokeless tobacco in Italian youth Speaker to be confirmed
10:05	Tobacco-free generation and endgame in Europe Florin Dumitru Mihaltan (Bucuresti, Romania)
10:15	Round table: regulation gaps and how to apply Italian experience across Europe? Speaker to be confirmed

09:00-10:15

INDUSTRY WEDNESDAY SPECIAL SESSION

SEE PAGE 1

Studio (White)	Session	09:45 - 10:30
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Pro-Con debate: Is it clinically helpful to say someone has 'mild' asthma?

Aims : to discuss and consider what mild asthma represents and how to address it; to discuss how international guidelines, the Global Initiative for Asthma (GINA) and the National Asthma Education and Prevention Program (NAEPP) address the definitions of asthma control, asthma severity and future risks; to discuss the reality and perspective of mild asthma; to answer the question of whether the term 'mild' asthma has clinical utility or whether alternative terms are needed.

Disease(s) : Airway diseases Paediatric respiratory diseases

Method(s) : Epidemiology General respiratory patient care Physiology

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist

Chairs : Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Nicolas Roche (Paris, France)

09:45	Yes, there is clinical utility in saying someone has ‘mild’ asthma Florence Schleich (Liège, Belgium)
10:00	No, there is no clinical utility in saying someone has ‘mild’ asthma Johann Christian Virchow (Rostock, Germany)
10:15	Discussion and Q&A

Brown 3 Session 09:45 - 12:45

Wednesday special session: How to build a successful, sustainable, international research network?

Collaboration, Impact, Empowerment

Aims : This session, led by ERS Clinical Research Collaborations (CRC), and EU projects, draws upon the extensive experience of ERS membership and involvement of ERS and European Lung Foundation (ELF) in consortia. This session aims to explore the journey of building remarkable international research networks through key principles, effective strategies, and best practices, fostering cutting edge research with worldwide impact.

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Scientist (basic, translational), Radiologist, Respiratory physiotherapist

Chairs : Salman Siddiqui (London, United Kingdom), David Drummond (Paris, France), Chair to be confirmed

09:45 Introduction and welcome

09:50 **How to build a great consortium: consortium building, stakeholder engagement**
James D. Chalmers (Dundee (Angus), United Kingdom), Raquel Duarte (Porto, Portugal)

10:10 **Finding the right fit: defining your topic to fit with the hot topic of the time, addressing co-morbidities, working across disease areas**
Christopher E. Brightling (Leicester (Leicestershire), United Kingdom), Torsten Gerriet Blum (Berlin, Germany)

10:30 **How to ensure your project has impact: awareness wider than the respiratory field, policy influence, public awareness**
Herman Goossens (Edegem (Antwerp), Belgium), Rosa Faner Canet (Barcelona, Spain)

10:50 **Getting involved in international research networks – patient and caregiver perspectives**
Lucy Dixon (Buckingham, United Kingdom), Zena Powell (Aylesbury, United Kingdom), Theo Schilpzand (Marijenkampen, Netherlands), Stefano Pavanella (Rovigo (RO), Italy)

11:10 **How to gain the most value from data: how to collect, store and share**
Celeste Michala Porsbjerg (Copenhagen, Denmark), Job F.M. van Boven (Groningen, Netherlands)

11:30 **Key success factors for sustainability: long-term interest, funding and enthusiasm**
Nadia Nathan (Paris, France), Ludger Grote (Göteborg, Sweden)

11:50 **Lungs Europe – how we will support the respiratory community in the future**
Pippa Powell (Sheffield (South Yorkshire), United Kingdom), Salman Siddiqui (London, United Kingdom)

12:05 **Networking – discussion on different tables on the different topics with the different speakers**
James D. Chalmers (Dundee (Angus), United Kingdom), Raquel Duarte (Porto, Portugal), Christopher E. Brightling (Leicester (Leicestershire), United Kingdom), Torsten Gerriet Blum (Berlin, Germany), Herman Goossens (Edegem (Antwerp), Belgium), Rosa Faner Canet (Barcelona, Spain), Nadia Nathan (Paris, France), Pippa Powell (Sheffield (South Yorkshire), United Kingdom), Salman Siddiqui (London, United Kingdom), Celeste Michala Porsbjerg (Copenhagen, Denmark), Job F.M. van Boven (Groningen, Netherlands), Lucy Dixon (Buckingham, United Kingdom), Zena Powell (Aylesbury, United Kingdom), Theo Schilpzand (Marijenkampen, Netherlands), Stefano Pavanella (Rovigo (RO), Italy), Ludger Grote (Göteborg, Sweden)

Overflow area Session 09:45 - 12:00

Wednesday special session: ERS Women’s networking event

Connect, collaborate, empower

Aims : This session aims to create a platform for respiratory professionals to connect, build relationships, and exchange knowledge and experiences. To encourage collaboration among women in the respiratory profession, fostering partnerships, teamwork, and the sharing of ideas and best practices. To empower women in the respiratory profession by offering career development resources, mentorship programs, and discussions on leadership and advancement opportunities. To highlight the importance of diversity and inclusion in the field of respiratory care, and encourage women from diverse backgrounds to participate and contribute to the event. To collaborate with relevant organisations, national societies, and industry partners.

Chairs : Monika Gappa (Düsseldorf, Germany)

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|--------------|--|
| 09:45 | Overflow 1: Welcome
Monika Gappa (Düsseldorf, Germany), Judith Garcia-Aymerich (Barcelona, Spain) |
| 10:20 | Overflow 2: Academia - Women in Science
Sara Cuevas Ocaña (Nottingham, United Kingdom), Niki Ubags (Epalinges, Switzerland), Silke Meiners (Sülzfeld, Germany), Zorana Andersen (Frederiksberg, Denmark) |
| 10:20 | Overflow 3: Academia - Women in Patient care/Healthcare
Monika Gappa (Düsseldorf, Germany), Arzu Yorgancıoğlu (Konak, Turkey), Ildikó Horváth (Budakeszi, Hungary), Speaker to be confirmed |
| 10:20 | Overflow 4: Women in Industry
Maria Gabriela Belvisi (Mölnal, Sweden), Juby Anne Jacob-Nara (Hillsborough, United States), Sabine Bartel (Groningen, Netherlands), Sara Jane Bonvini (London, United Kingdom), Speaker to be confirmed |

Yellow 1+2+3 Session 10:00 - 11:20

Wednesday special session: Excellence in rare diseases care and research: the ERN-Lung initiative the ERN-Lung go East

Aims : to present the ERN-LUNG Network and highlight some of its assets achieved during the past years through funding and support by the European Commission and the ERS; to learn from participants about their expectations and needs to better tailor initiative offerings and to offer a better support; to present the following take home messages: 1) There is always someone who knows more about this rare disease than myself; 2) ERN-LUNG is the place where to find and get in contact with this Expert across all of Europe.

Chairs : Marlies S. Wijsenbeek (Rotterdam, Netherlands), Chair to be confirmed

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|--------------|---|
| 10:00 | What is ERN-LUNG?
Marlies S. Wijsenbeek (Rotterdam, Netherlands), Speaker to be confirmed |
| 10:15 | How to get involved?
Speaker to be confirmed |
| 10:25 | What can networking do for my patients?
Adam Torbicki (Otwock, Poland) |
| 10:40 | What can ERN-LUNG do for me?
Helge Hebestreit (Wuerzburg, Germany) |
| 10:55 | ERN-LUNG Academy?
Elisabeth Humbert-Dorfmüller (Frankfurt am Main, Germany) |
| 11:05 | ERN-LUNG Patients
Speaker to be confirmed |

Red 1+2 Session 10:30 - 12:45

Wednesday special session: How can the International Respiratory Coalition help tackle pressures on respiratory healthcare systems?

Aims : This session looks at the increased pressure on health systems in specific areas – such as the impact of seasonal burdens and dealing with the respiratory consequences of wildfires, and considers what role the International Respiratory Coalition can have in tackling these pressures.

The International Respiratory Coalition (IRC) is a movement to transform respiratory outcomes in a post pandemic world. Led by the European Respiratory Society, the IRC is a multisectoral partnership bringing together the professional respiratory community, patients and industry. The IRC is currently supporting national-level coalitions, who have joined the movement, as they work towards developing/improving/implementing respiratory strategies based on best practice in their own countries.

Chairs : Anita Simonds (London, United Kingdom), Chair to be confirmed

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| 10:30 | Introduction |
| 10:35 | Anticipating and coping with seasonal respiratory burdens
Tobias Welte (Hannover, Germany) |
| 10:55 | Seasonal burdens: a global patient advocacy perspective
Speaker to be confirmed |
| 11:15 | The way forward in preventing and managing COPD exacerbations |

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| 11:35 | Assessing and caring for the respiratory consequences of wildfires
Speaker to be confirmed |
| 11:55 | Role of the International Respiratory Coalition
Carlos Robalo Cordeiro (Coimbra, Portugal) |
| 12:10 | Panel discussion: identifying needs and creating a strategy for national IRC coalitions
Judith Garcia-Aymerich (Barcelona, Spain), Kjeld Hansen (Oslo, Norway), Ellen Rieke (Hillegom, Netherlands), Speaker to be confirmed |

Blue 1+2	Session	10:55 - 12:55
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Wednesday special session: Building support for clean air policies: empowering the respiratory community to advocate for clean air locally, nationally and internationally

Aims : To engage healthcare professionals and local NGOs with the Healthy Lungs for Life Clean Air campaign. To empower them in community and public engagement, helping them to communicate the necessity of clean air for good lung health in their own communities and to policy makers. To create a network of clean air advocates who can share best practice in engagement and support each other to present evidence from patients and healthcare professionals.

Chairs : Chair to be confirmed

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| 10:55 | Why clean air and why now? What is the latest evidence on clean air and lung health?
Barbara Hoffmann (Düsseldorf, Germany) |
| 11:10 | Why clean air and why now? Why it matters to respiratory patients?
Kjeld Hansen (Oslo, Norway) |
| 11:25 | Why is it important for Milan and Lombardy?
Francesco Forastiere (Roma (RM), Italy) |
| 11:40 | How can we achieve change: working in partnership - C40 |
| 11:55 | How can we achieve change: Having outcomes and impact - Clean air fund |
| 12:10 | How can we achieve change: communication and events – Healthy Lungs for Life Ghana |
| 12:25 | How can we achieve change: creating your legacy |
| 12:40 | Call to action for clean air to Milan and Europe in light of the Ambient Air Quality Directive |

Studio (White)	Session	11:00 - 11:15
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News from the studio: Congress wrap-up

Chairs : Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Nicolas Roche (Paris, France)

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| 11:00 | Discussion and Q&A |
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ERS Stand/World
Village

Session

13:00 - 14:00

Session world village: Meet with the ECMC representatives: ERS opportunities for ECMs/Basic and translational sciences (Assembly 3) within the ERS

Chairs : Sara Cuevas Ocaña (Nottingham, United Kingdom), Matteo Bradicich (Zollikerberg, Switzerland)

13:00

ERS Stand/World
Village

Session

12:00 - 13:00

Session world village: Meet with the ECMC representatives**Chairs :** Maria Joana Pereira Catarata (Porto, Portugal), Dorina Rama Esendagli (Ankara, Turkey), Karen Moor (Rotterdam, Netherlands)**12:00**ERS Stand/World
Village

Session

13:00 - 14:00

Session world village: Meet with the ECMC representatives: How to increase your visibility and network as ECM**Chairs :** Susanne Vijverberg (Amsterdam, Netherlands), Joana Cruz (Leiria, Portugal), Matteo Bradicich (Zollikerberg, Switzerland)**13:00**

ERS Stand/World
Village

Session

12:00 - 13:00

Session world village: Meet with the ECMC representatives: How to get involved in ERS activities as an Early Career Member

Chairs : Joana Cruz (Leiria, Portugal), Matteo Bradicich (Zollikerberg, Switzerland), Maria Joana Pereira Catarata (Porto, Portugal), Dorina Rama Esendagli (Ankara, Turkey)

12:00

INDUSTRY SESSIONS

No Room	Session	18:00 - 19:00
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Rehearsal: Opening Session rehearsal

Purple Session 07:15 - 08:15

Industry early morning symposium: Practical Advances in Front-Line Strategies for Optimizing Clinical Outcomes in MAC Lung Disease

Organised by *Insmed*

Chairs : Christoph Lange (Borstel, Germany)

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|-------|--|
| 07:15 | Chair's Introduction and Program Overview
Christoph Lange (Borstel, Germany) |
| 07:30 | The Critical Role of Longitudinal Microbiologic Monitoring in MAC Lung Disease: Guiding Antibiotic Selection, Route and Intensity of Intensity Based on Systematic Microbiological Testing, Radiologic Findings, and Severity Score Indexes: The Potential Pitfalls of a "Watch and Wait" Approach in High-Risk Patients
Stefano Aliberti (Milano (MI), Italy) |
| 07:45 | Translating ATS/IDSA/ERS/ESCMID Guideline-Directed Management Pathways and Clinical Trial Results in NTM-PD to the Front Lines of Patient Care: Focus on High-Risk Patients and Clinical Findings Predictive of Refractory MAC Pulmonary Disease
David E. Griffith (Denver, United States) |
| 08:00 | Completing the Journey from Diagnosis to Cure in MAC Lung Disease: Practical Approaches to Ensure Drug Tolerant, Minimize Side Effects, and Optimize Regimen Adherence with Inhaled Antimicrobial Formulations—Translating Trial-Based Results to Real World, Side Effect-Mitigating Patient Care
Francesco Blasi (Milan, Italy) |

Coral 1 Session 07:15 - 08:15

Industry early morning symposium: On-Therapy Remission in Pediatric Asthma: Where Are We Today?

Organised by *Sanofi Regeneron*

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|-------|--|
| 07:15 | Welcome
Giorgio Piacentini (Verona (VR), Italy) |
| 07:20 | Progression of Underlying Disease in Pediatric Severe Asthma
Giorgio Piacentini (Verona (VR), Italy) |
| 07:35 | Panel Discussion
Giorgio Piacentini (Verona (VR), Italy), Sharon Dell (Vancouver, British Columbia, Canada) |
| 07:45 | Assessing Disease Activity to Better Define On-Treatment Clinical Remission in Pediatric Severe Asthma
Sharon Dell (Vancouver, British Columbia, Canada) |
| 08:05 | Question and Answer
Sharon Dell (Vancouver, British Columbia, Canada), Giorgio Piacentini (Verona (VR), Italy) |

Amber 7+8 Session 08:00 - 08:45

Industry Skills Lab Workshop: Clinical decisions for better Mask Management

Organised by *Philips*

Chairs : Teofilo Lee-Chiong (Denver, United States)

- | | |
|-------|---|
| 08:00 | Impact of Mask Choice on CPAP therapy outcomes
Pedro Rodrigues Genta (São Paulo (SP), Brazil) |
| 08:20 | Clinical Cases
Mikel Azpiazu Blocon (Vitoria-Gasteiz, Spain) |
| 08:35 | Hands on
Faycal Abdenbi (Goussainville, France) |

Amber 5+6	Session	08:00 - 08:45
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Industry Skills Lab Workshop: Thoracic Ultrasound – pleural and emergency care. Practical expertise on how to carry out this everyday practice.

Organised by FUJIFILM

Chairs : Maarten Criel (Leuven, Belgium)

08:00 Hands On

Amber 7+8	Session	10:30 - 11:45
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Industry Skills Lab Workshop: Improving workflow using automated ventilation technologies in the hospital and home

Organised by Philips

Chairs : Teofilo Lee-Chiong (Denver, United States)

10:30 Hospital perspective: Improving workflow using automated ventilation technologies
Maxime Patout (Paris, France)

10:45 Home perspective: Improving workflow using automated ventilation technologies
Swapna Mandal (London, United Kingdom)

11:00 Hands On
Julie Yarascavitch (Encinitas, United States)

Amber 5+6	Session	10:30 - 11:15
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Industry Skills Lab Workshop: Improving NIV management with deep dive into high resolution data

Organised by ResMed

Chairs : Claudia Crimi (Catania (CT), Italy), Chair to be confirmed

10:30 The curves of AirView for ventilation and ResScan and how to interpret information
Claudia Crimi (Catania (CT), Italy)

10:48 How to discover any issues and when to consult ResScan
OLIVIER SAGNARD (Saint Priest, France)

11:00 Hands On

Coral 1	Session	12:15 - 13:15
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Industry Lunchtime Symposium: From Theory to Practice: Improving COPD and Asthma Patients Care

Organised by Menarini group

Chairs : Fabiano Di Marco (Milan, Italy)

12:15 Introduction
Fabiano Di Marco (Milan, Italy)

12:20 The Gold Standard for starting treatment in COPD
Claus Vogelmeier (Marburg, Germany)

12:35 Inhaled corticosteroids in COPD: who and when?
Dave Singh (Manchester, United Kingdom)

12:50 Optimal Strategies in Asthma Management
Kenneth R. Chapman (Toronto (ON), Canada)

13:05 Q&A
Fabiano Di Marco (Milan, Italy), Claus Vogelmeier (Marburg, Germany), Dave Singh (Manchester, United Kingdom), Kenneth R. Chapman (Toronto (ON), Canada)

Silver Session 12:15 - 13:15

Industry Lunchtime Symposium: Cardiopulmonary risk: a new perspective in COPD management

Organised by AstraZeneca

Chairs : Mona Bafadhel (London, United Kingdom)

12:15	Welcome, introduction and opening remarks Mona Bafadhel (London, United Kingdom)
12:17	COPD through a different lens: the implications of COPD-driven cardiopulmonary risk Paola Rogliani (Roma (RM), Italy)
12:32	Panel discussion Expanding our view of COPD: looking at the lungs and beyond Daiana Stolz (Freiburg, Germany)
12:42	Focusing on proactive management: preventing exacerbations and reducing mortality with triple therapy Mona Bafadhel (London, United Kingdom)
12:58	Reflections from a cardiologist: the importance of mortality reduction Chris Gale (Leeds, United Kingdom)
13:03	Panel discussion Visualising the future: driving a proactive and multidisciplinary approach Daiana Stolz (Freiburg, Germany)
13:13	Summary and close Mona Bafadhel (London, United Kingdom)

Coral 2 Session 12:15 - 13:15

Industry Lunchtime Symposium: The airway epithelium as an immune-functioning organ: A key driver in the pathogenesis of upper and lower respiratory disease

Organised by AstraZeneca

Chairs : Celeste Michala Porsbjerg (Copenhagen, Denmark)

12:15	Welcome & Introduction Celeste Michala Porsbjerg (Copenhagen, Denmark)
12:18	The role of the airway epithelium as a critical immune-functioning organ Celeste Michala Porsbjerg (Copenhagen, Denmark)
12:28	Bronchial and nasal epithelium: are they the same? Marco Caminati (Verona (VR), Italy)
12:38	The epithelium: from pathogenesis to the clinic, and the use of biomarkers Delbert Dorscheid (Vancouver (BC), Canada)
12:48	The role of epithelial cytokines in asthma control and remission Pascal Chanez (Marseille, France)
12:58	Learnings from the epithelium: implications for patient care and future opportunities Celeste Michala Porsbjerg (Copenhagen, Denmark)
13:14	Symposium close Celeste Michala Porsbjerg (Copenhagen, Denmark)

Gold Session 12:15 - 13:15

Industry Lunchtime Symposium: Improving respiratory care by listening to patients needs

Organised by Chiesi Farmaceutici S.p.A.

Chairs : Monica Kraft (New York, United States), Anne Greenough (London, United Kingdom)

12:15	Welcome and Introduction Mario Tozzi (, Italy)
12:25	From BPD to COPD: early origins of chronic lung diseases Anne Greenough (London, United Kingdom)

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|-------|---|
| 12:35 | Different approach in listening to people with respiratory diseases. The Human Factor Study
Nicola Scichilone (Palermo (PA), Italy) |
| 12:55 | How small airway diseases are relevant for the patients? Asthma and COPD insights
Monica Kraft (New York, United States) |
| 13:05 | Summary and close
Mario Tozzi (, Italy) |

Industry Virtual Channel	Session	12:45 - 13:45
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Industry Virtual Symposium: Improving outcomes in hospitalised patients with COVID-19: Perspectives from across the disciplines

Organised by Gilead Sciences Europe Ltd

Chairs : Tobias Welte (Hannover, Germany)

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|-------|---|
| 12:45 | Welcome and introduction
Tobias Welte (Hannover, Germany) |
| 12:50 | Navigating the COVID-19 disease landscape
Eva Polverino (Barcelona, Spain) |
| 13:00 | How are data guiding the management of COVID-19?
Robert Gottlieb (Dallas, United States), Tobias Welte (Hannover, Germany) |
| 13:25 | Finding our way with individualised treatment
Tobias Welte (Hannover, Germany), Eva Polverino (Barcelona, Spain), Robert Gottlieb (Dallas, United States) |
| 13:40 | Summary and meeting close
Tobias Welte (Hannover, Germany) |

Yellow 1+2+3	Session	12:45 - 13:45
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Industry Lunchtime Symposium: Can the immune system be primed to prevent recurrent respiratory tract infections in children?

Organised by OM Pharma SA

Chairs : Susanna Esposito (Milano (MI), Italy)

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|-------|--|
| 12:45 | Welcome & introduction
Susanna Esposito (Milano (MI), Italy) |
| 12:50 | Understanding the potential of bacterial lysates exposure for the prevention of childhood recurrent respiratory tract infections
Erika von Mutius (München, Germany) |
| 13:10 | Role of immunomodulation in children with recurrent respiratory tract infections and wheezing
Manuel Soto Martínez (San José, Costa Rica) |
| 13:30 | Summary & concluding remarks
Susanna Esposito (Milano (MI), Italy) |
| 13:35 | Q&A
Susanna Esposito (Milano (MI), Italy), Erika von Mutius (München, Germany), Manuel Soto Martinez (San Jose, Costa Rica) |

Brown 3	Session	12:45 - 13:45
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Industry Lunchtime Symposium: Beyond Asthma Control in Severe Type 2 Asthma Management

Organised by Sanofi Regeneron

Chairs : Klaus F. Rabe (Kiel, Germany)

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|-------|---|
| 12:45 | Opening Remarks
Klaus F. Rabe (Kiel, Germany), Arnaud Bourdin (Montpellier Cedex 5, France), Guy Brusselle (Ghent, Belgium) |
| 12:50 | Understanding the Patient Phenotypes of Type 2 Asthma
Guy Brusselle (Ghent, Belgium) |

13:00	Beyond Control With Dupilumab in Type 2 Asthma Arnaud Bourdin (Montpellier Cedex 5, France)
13:10	Is Freedom From OCS-Dependence Possible? Review of the Evidence for Dupilumab Klaus F. Rabe (Kiel, Germany)
13:20	Panel Discussion Reconsidering Long-Term Goals Beyond Control for Severe Asthma Management Klaus F. Rabe (Kiel, Germany), Arnaud Bourdin (Montpellier Cedex 5, France), Guy Brusselle (Ghent, Belgium)
13:30	Audience Q&A Klaus F. Rabe (Kiel, Germany), Arnaud Bourdin (Montpellier Cedex 5, France), Guy Brusselle (Ghent, Belgium)
13:40	Closing Remarks Klaus F. Rabe (Kiel, Germany), Arnaud Bourdin (Montpellier Cedex 5, France), Guy Brusselle (Ghent, Belgium)

Amber 5+6 Session 14:00 - 14:45

Industry Skills Lab Workshop: Eucapnic Voluntary Hyperpnea (EVH) Provocation Test: A practical guide to using EVH challenges to diagnose Exercise Induced Bronchoconstriction

Organised by GANSHORN Medizin Electronic GmbH

Chairs : John Dickinson (Canterbury, United Kingdom)

14:00	Introduction of the Eucapnic Voluntary Hyperpnea (EVH) Test: How is the test done and what are the indications. Presentation of current scientific findings. James H. Hull (London, United Kingdom)
14:20	Comparison of spirometry and oscillometry as a tool for grading the bronchoconstriction John Dickinson (Canterbury, United Kingdom)
14:30	A Live-demonstration of the EucapSys EVH device, use of oscillometry as a diagnostic tool and the possibility for hands-on usage. James H. Hull (London, United Kingdom)

Amber 7+8 Session 14:00 - 14:45

Industry Skills Lab Workshop: Phenotyping and personalized OSA therapy clinical objectives

Organised by ResMed

Chairs : Sophia E. Schiza (Heraklion, Greece), Andreas Palm (Uppsala, Sweden)

14:00	CPAP therapy and cardiovascular outcomes. Frédéric Gagnadoux (Orvault, France)
14:18	Phenotype and patient centric approaches with CPAP therapy Raphael Heinzer (Lausanne, Switzerland)

Amber 7+8 Session 15:30 - 16:15

Industry Skills Lab Workshop: Innovative clinical practice in home HFT. Titration, follow up and best practice

Organised by ResMed

Chairs : Patrick B. Murphy (Oxted (Surrey), United Kingdom)

15:30	Evidence to practice Claudia Crimi (Catania (CT), Italy)
15:48	Clinical practice through case studies Line Storgaard (Aabybro, Denmark)
16:06	
16:24	

Coral 2 Session 17:30 - 19:00

Industry evening symposium: Severe asthma treatment paradigm change: how much further can we go after reducing OCS treatment?

Organised by AstraZeneca

Chairs : Matteo Bonini (Rome, Italy)

17:30	Chair's welcome Matteo Bonini (Rome, Italy)
17:35	Managing severe asthma: treatment guidelines and clinical perspectives Renaud Louis (Liège, Belgium)
17:45	RWE for severe asthma: background therapy patterns before and after biologic use Cláudia Catarina Ferreira Chaves Loureiro (Coimbra, Portugal)
18:05	Interactive discussion: how should the reduction of background treatment be approached in patients with well-controlled asthma? Matteo Bonini (Rome, Italy), Cláudia Catarina Ferreira Chaves Loureiro (Coimbra, Portugal), Stephanie Korn (Mainz, Germany)
18:35	Background treatment reduction: how far can we go in severe asthma? Stephanie Korn (Mainz, Germany)
18:50	Q&A and close Matteo Bonini (Rome, Italy), Cláudia Catarina Ferreira Chaves Loureiro (Coimbra, Portugal), Stephanie Korn (Mainz, Germany), Renaud Louis (Liège, Belgium)

Coral 3 Session 17:30 - 19:00

Industry evening symposium: A Journey Through the Spectrum of Pulmonary Fibrosis

Organised by Boehringer Ingelheim International GmbH

Chairs : Luca Richeldi (Roma, Italy)

17:30	Welcome and introduction Luca Richeldi (Roma, Italy)
17:40	Diagnosis and treatment of pulmonary fibrosis: where are we now? Vincent Cottin (Lyon, France)
17:55	Interstitial lung abnormalities: a call to action? Sara Tomassetti (Florence, Italy)
18:10	Progressive pulmonary fibrosis: the end of the spectrum? Elisabetta Renzoni (London, United Kingdom)
18:25	Research in pulmonary fibrosis: where are we going? Fernando J. Martinez (New York, United States)
18:40	Q&A Luca Richeldi (Roma, Italy), Vincent Cottin (Lyon, France), Sara Tomassetti (Florence, Italy), Elisabetta Renzoni (London, United Kingdom), Fernando J. Martinez (New York, United States)

Purple Session 17:30 - 19:00

Industry evening symposium: Dr Jekyll and Mr Hyde: the two faces of bronchiectasis

Organised by Insmed Netherlands BV

Chairs : Tobias Welte (Hannover, Germany)

17:30	Introduction and patient case study overview Tobias Welte (Hannover, Germany)
17:45	Delving deeper into this patient's pathophysiology Anne O'Donnell (Washington, United States)
17:55	Management of infection: the key driver of bronchiectasis Charles Haworth (Cambridge, United Kingdom)

18:10 **Bronchiectasis is an inflammatory condition**
Eva Polverino (Barcelona, Spain)

18:20 **Management of inflammation: the key driver of bronchiectasis**
Pieter Goeminne (Bornem, Belgium)

18:40 **Panel discussion & summary**
Tobias Welte (Hannover, Germany), Anne O'Donnell (Washington, United States), Charles Haworth (Cambridge, United Kingdom), Eva Polverino (Barcelona, Spain), Pieter Goeminne (Bornem, Belgium)

Yellow 1+2+3

Session

17:30 - 19:00

Industry evening symposium: Hidden. Progressive. Deadly. PAH in patients with unexplained dyspnoea

Organised by Janssen Pharmaceutica NV

Chairs : Sean Gaine (Dublin, Ireland), Silvia Ulrich (Zurich, Switzerland)

17:30 **Welcome and introductions**
Sean Gaine (Dublin, Ireland), Silvia Ulrich (Zurich, Switzerland)

17:35 **Unravelling unexplained dyspnoea**
Athénaïs Boucly (Le Kremlin Bicêtre, France)

18:05 **Initial management and follow-up of PAH**
Vasile Foris (Graz, Austria)

18:25 **Individualising treatment in patients with PAH and comorbidities**
David Kiely (Sheffield (South Yorkshire), United Kingdom)

18:50 **Q&A and close**
Sean Gaine (Dublin, Ireland), Silvia Ulrich (Zurich, Switzerland)

Blue 1+2

Session

17:30 - 19:00

Industry evening symposium: Respiratory care: How to optimize patient outcomes with environmental responsibility

Organised by Orion Pharma

Chairs : Ashley Woodcock (Manchester (Greater Manchester), United Kingdom)

17:30 **Welcome and introduction: The virtuous cycle of patient partnerships, improved outcomes, and sustainable respiratory care**
Ashley Woodcock (Manchester (Greater Manchester), United Kingdom)

17:40 **Why climate change and environmental sustainability is everybody's problem**
Rachel Huxley (Melbourne, Australia)

17:50 **Q&A discussion**
Ashley Woodcock (Manchester (Greater Manchester), United Kingdom)

18:00 **How sustainable global pharmaceutical regulations are impacting supply chains: What this could mean for your patients**
John Pritchard (Newtown Linford, United Kingdom)

18:10 **Q&A discussion**
Ashley Woodcock (Manchester (Greater Manchester), United Kingdom)

18:15 **Combining sustainable interventions with optimal patient outcomes: Lessons learned from adult-onset asthma phenotypes**
Hannu Kankaanranta (Seinäjoki, Finland)

18:25 **The UK view on sustainable clinical decision-making in respiratory care**
Alexander Wilkinson (Hertfordshire, United Kingdom)

18:35 **The Nordic view on sustainable clinical decision-making in respiratory care**
Christer Janson (Uppsala, Sweden)

18:45 **Q&A discussion**
Ashley Woodcock (Manchester (Greater Manchester), United Kingdom)

18:55 Summary and close
Ashley Woodcock (Manchester (Greater Manchester), United Kingdom)

Amber 5+6 Session 17:30 - 19:00

Industry evening mini symposium: Opening our Minds and Airways in Severe Lung Disease

Organised by Grifols

Chairs : Francesco Blasi (Milan, Italy)

17:30 Welcome and introduction
Francesco Blasi (Milan, Italy)

17:35 NCFBE- What to do when things get tricky?
Francesco Blasi (Milan, Italy)

17:53 Severe asthma and AATD– Cause or comorbidity?
Laura Pini (Brescia (BS), Italy)

18:11 Alpha-1 Antitrypsin deficiency- What's around the bend?
Jose Luis López-Campos Bodineau (Sevilla, Spain)

18:29 Pulmonary rehabilitation: Old questions- new answers!?
Andreas Rembert Koczulla (Schönau am Königssee, Germany)

18:47 Final discussion
Francesco Blasi (Milan, Italy)

18:55 ALTA-award ceremony
Marion Trautmann (Frankfurt am Main, Germany)

18:58 Summary and Close
Francesco Blasi (Milan, Italy)

Amber 7+8 Session 17:30 - 19:00

Industry evening mini symposium: Timing is key: Unlocking the tools to identify progression and improve outcomes in cystic fibrosis

Organised by Vertex Pharmaceuticals (Europe) Ltd

Chairs : Stefano Aliberti (Milano (MI), Italy)

17:30 Chair's welcome and introduction
Stefano Aliberti (Milano (MI), Italy)

17:40 From the beginning: Early manifestations of CF
Maria del Carmen Luna (Madrid, Spain)

17:55 Through the ages: Tracking lung disease
Mirjam Stahl (Berlin, Germany)

18:15 Futureproofing CF care in the pulmonology department: A view from Italy
Andrea Gramegna (Milano (MI), Italy)

18:35 Panel discussion and Q&A Looking to the future: The evolving needs of CF
Stefano Aliberti (Milano (MI), Italy), Maria del Carmen Luna (Madrid, Spain), Mirjam Stahl (Berlin, Germany), Andrea Gramegna (Milano (MI), Italy)

18:55 Summary and close
Stefano Aliberti (Milano (MI), Italy)

Brown 1+2 Session 17:30 - 19:00

Industry evening symposium: Advancing the Understanding of COPD: A Pathophysiological Perspective of Disease

Organised by Sanofi Regeneron

Chairs : MeiLan K. Han (Ann Arbor, United States)

17:30	Opening Remarks MeiLan K. Han (Ann Arbor, United States), Kenneth R. Chapman (Toronto (ON), Canada), Frank Sciurba (Pittsburgh, United States)
17:35	COPD a Progressive Airway Disease Shaped by Exacerbations Frank Sciurba (Pittsburgh, United States)
17:50	Characterization of COPD: Emerging Phenotypes and Endotypes MeiLan K. Han (Ann Arbor, United States)
18:05	Panel DiscussionExtending Beyond the Pink Puffer and Blue Bloater: What Role Do Novel Phenotypes Play in the Clinic? MeiLan K. Han (Ann Arbor, United States), Kenneth R. Chapman (Toronto (ON), Canada), Frank Sciurba (Pittsburgh, United States)
18:15	Understanding Inflammatory Pathways Driving the Pathophysiology of COPD Kenneth R. Chapman (Toronto (ON), Canada)
18:30	Panel DiscussionKnowledge to Practice: Type 2 Inflammation in COPD MeiLan K. Han (Ann Arbor, United States), Kenneth R. Chapman (Toronto (ON), Canada), Frank Sciurba (Pittsburgh, United States)
18:40	Closing Remarks MeiLan K. Han (Ann Arbor, United States), Kenneth R. Chapman (Toronto (ON), Canada), Frank Sciurba (Pittsburgh, United States)
18:45	Audience Q&A MeiLan K. Han (Ann Arbor, United States), Kenneth R. Chapman (Toronto (ON), Canada), Frank Sciurba (Pittsburgh, United States)

Amber 7+8 Session 08:00 - 08:45

Industry Skills Lab Workshop: East meets West - global best practices

Organised by *Erbe Elektromedizin GmbH*

Chairs : Pallav L. Shah (London, United Kingdom), Jürgen Hetzel (, Switzerland)

- 08:00 Hands on**
2 x transbronchial cryobiopsy, 2 x central airway obstruction
 Jürgen Hetzel (, Switzerland), Pallav L. Shah (London, United Kingdom)

Amber 5+6 Session 10:30 - 11:15

Industry Skills Lab Workshop: The indication of use of ASV therapy, from evidence to clinical practice

Organised by *ResMed*

Chairs : Anita Simonds (London, United Kingdom)

- 10:30 What evidence-based medicine says about ASV therapy**
 Jean-Louis Pépin (Grenoble, France)

- 10:48 The indication of use of ASV therapy**

Amber 7+8 Session 10:30 - 11:15

Industry Skills Lab Workshop: A virtual based approach to improve CPAP Therapy

Organised by *Philips*

Chairs : Stefania Redolfi (Cagliari, Italy)

- 10:30 Introduction to CPAP Therapy and Telemedicine**
 Stefania Redolfi (Cagliari, Italy)

- 10:35 Improving sleep apnea management using technological advancements**
 Mikel Azpiazu Blocona (Vitoria-Gasteiz, Spain)

- 11:00 Hands On**
 Faycal Abdenbi (Goussainville, France), Mikel Azpiazu Blocona (Vitoria-Gasteiz, Spain)

Silver Session 12:15 - 13:15

Industry Lunchtime Symposium: Targeting COPD With Type 2 Inflammation: Emerging Biologic Landscape

Organised by *Sanofi Regeneron*

Chairs : Klaus F. Rabe (Kiel, Germany)

- 12:15 Welcome and Objectives**
 Klaus F. Rabe (Kiel, Germany)

- 12:20 Contextualizing Clinical Consequences of COPD Through Disease Pathology**
 Klaus F. Rabe (Kiel, Germany)

- 12:30 Heterogeneity of Inflammatory Pathways in COPD**
 Stephanie Christenson (San Francisco, United States)

- 12:40 The Evolving Clinical Landscape in COPD and Implications for Disease Management**
 Dave Singh (Manchester, United Kingdom)

- 13:00 Panel Discussion and Q&A**
 Dave Singh (Manchester, United Kingdom), Stephanie Christenson (San Francisco, United States), Klaus F. Rabe (Kiel, Germany)

Purple Session 12:15 - 13:15

Industry Lunchtime Symposium: The future is now: Envisioning the implementation of digital healthcare into the clinical management of asthma and COPD

Organised by *Teva*

Chairs : Stephen Holmes (Somerset, United Kingdom)

12:15	Welcome address, housekeeping, opening with interactivity Stephen Holmes (Somerset, United Kingdom)
12:20	Digital technologies and health economics – what is there to gain? Job F.M. van Boven (Groningen, Netherlands)
12:30	Discussion Stephen Holmes (Somerset, United Kingdom), Job F.M. van Boven (Groningen, Netherlands), Nawar Diar Bakerly (Salford (Lancashire), United Kingdom), Njira Lugogo (Durham, United States), Giselle Mosnaim (Chicago, United States)
12:35	Unpacking the theory – what does the data tell us? Nawar Diar Bakerly (Salford (Lancashire), United Kingdom)
12:45	Discussion Stephen Holmes (Somerset, United Kingdom), Job F.M. van Boven (Groningen, Netherlands), Nawar Diar Bakerly (Salford (Lancashire), United Kingdom), Njira Lugogo (Durham, United States), Giselle Mosnaim (Chicago, United States)
12:50	Clinical experience – what have we seen so far? Njira Lugogo (Durham, United States), Giselle Mosnaim (Chicago, United States)
13:00	Audience Q&A Stephen Holmes (Somerset, United Kingdom), Job F.M. van Boven (Groningen, Netherlands), Nawar Diar Bakerly (Salford (Lancashire), United Kingdom), Njira Lugogo (Durham, United States), Giselle Mosnaim (Chicago, United States)
13:10	Closing address, closing interactivity Stephen Holmes (Somerset, United Kingdom)

Gold Session 12:15 - 13:15

Industry Lunchtime Symposium: Transforming asthma care for a broad population of severe asthma patients

Organised by AstraZeneca

Chairs : Enrico Marco Heffler (Milano, Italy)

12:15	The next era in severe asthma management Enrico Marco Heffler (Milano, Italy)
12:20	The role of TSLP in driving severe asthma Celeste Michala Porsbjerg (Copenhagen, Denmark)
12:35	Targeting TSLP in severe asthma Michael E. Wechsler (Denver, United States)
12:50	Clinical experience with targeting TSLP Enrico Marco Heffler (Milano, Italy), Celeste Michala Porsbjerg (Copenhagen, Denmark), Michael E. Wechsler (Denver, United States), Roland Buhl (Mainz, Germany)
13:05	Audience Q&A and close Enrico Marco Heffler (Milano, Italy)

Coral 2 Session 12:15 - 13:15

Industry Lunchtime Symposium: Early-stage NSCLC: ensuring effective, personalised treatment through accurate diagnoses

Organised by AstraZeneca

Chairs : Kostas Syrigos (Athens, Greece)

12:15	Welcome and introduction Kostas Syrigos (Athens, Greece)
12:20	Case study 1: Maximising early detection of lung cancer: enhancing screening approaches Neal Navani (London, United Kingdom)

- 12:30 Case study 2: Optimising diagnostic workup of early-stage NSCLC**
Stefan Barath (Staffanstorps, Sweden)
-
- 12:40 Case study 3: The importance and impact of accurate clinical staging of lung cancer**
Lina Zuccatosta (Torrette (AN), Italy)
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- 12:50 Panel discussion and Q&A**
Kostas Syrigos (Athens, Greece), Neal Navani (London, United Kingdom), Stefan Barath (Staffanstorps, Sweden), Lina Zuccatosta (Torrette (AN), Italy)

Coral 3**Session****12:15 - 13:15****Industry Lunchtime Symposium: Pulmonary Arterial Hypertension in the Patient with Comorbidities***Organised by MSD***Chairs :** Stephan Rosenkranz (Köln, Germany)

- 12:15 Outcomes in PAH patients with comorbidities**
Marius M. Hoeper (Hannover, Germany)
-
- 12:25 Characteristics and treatment of the PAH patient with comorbidities- US perspective**
Mardi Gombert-Maitland (Chicago, United States)
-
- 12:35 Relevance of comorbidities on initial combination therapy in pulmonary arterial hypertension**
Roberto Badagliacca (Rome, Italy)
-
- 12:45 Challenges faced in clinical decision making when PAH patients present with cardiopulmonary comorbidities**
Jean-Luc Vachiery (Bruxelles, Belgium)
-
- 12:55 ESC/ERS perspective on the treatment algorithm of the PAH patient with comorbidities**
Stephan Rosenkranz (Köln, Germany)
-
- 13:00 Round Table Q&A/discussion**
Stephan Rosenkranz (Köln, Germany)

Blue 1+2**Session****12:45 - 13:45****Industry Lunchtime Symposium: Pulmonary Hypertension associated with Interstitial Lung Disease: Are we ready for the challenge?***Organised by Ferrer***Chairs :** David Kiely (Sheffield (South Yorkshire), United Kingdom)

- 12:45 Introduction**
David Kiely (Sheffield (South Yorkshire), United Kingdom)
-
- 12:50 When the ILD patient gets more symptomatic - consider PH!**
Michael Kreuter (Heidelberg, Germany)
-
- 13:10 PH-ILD treatment: why, who and how?**
David Montani (Le Kremlin-Bicêtre, France)
-
- 13:30 Discussion**
David Kiely (Sheffield (South Yorkshire), United Kingdom), Michael Kreuter (Heidelberg, Germany), David Montani (Le Kremlin-Bicêtre, France)

Yellow 1+2+3**Session****12:45 - 13:45****Industry Lunchtime Symposium: Rethinking MAC lung disease treatment and care***Organised by Insmed***Chairs :** Michael Loebinger (London, United Kingdom)

- 12:45 Meet our expert faculty**
Michael Loebinger (London, United Kingdom)

- 12:50 Why should we test our patients for MAC lung disease?**
Michael Loebinger (London, United Kingdom), Massimo Crapis (Pordenone, Italy), Christoph Lange (Borstel, Germany), Charalampos Moschos (Athens, Greece)
- 13:05 Why you shouldn't wait longer than six months for culture conversion**
Michael Loebinger (London, United Kingdom), Massimo Crapis (Pordenone, Italy), Christoph Lange (Borstel, Germany), Charalampos Moschos (Athens, Greece)
- 13:20 How should you treat your patients with limited treatment options?**
Michael Loebinger (London, United Kingdom), Massimo Crapis (Pordenone, Italy), Christoph Lange (Borstel, Germany), Charalampos Moschos (Athens, Greece)
- 13:35 Looking to the future**
Michael Loebinger (London, United Kingdom), Massimo Crapis (Pordenone, Italy), Christoph Lange (Borstel, Germany), Charalampos Moschos (Athens, Greece)

Brown 3 Session 12:45 - 13:45

Industry Lunchtime Symposium: Anti-Inflammatory Reliever (AIR): it's time to take action

Organised by AstraZeneca

Chairs : Christine Jenkins (McMahons Point (NSW), Australia)

- 12:45 Welcome and introduction**
Christine Jenkins (McMahons Point (NSW), Australia)
- 12:55 Global strategy for the prevention and management of asthma**
Eric D. Bateman (Cape Town, South Africa)
- 13:05 Keynote session: ICS-formoterol Anti-Inflammatory Reliever (AIR)**
Richard Beasley (Wellington, New Zealand)
- 13:15 Improving asthma care through implementation of the SENTINEL program: findings from the pilot site**
Michael Crooks (East Riding of Yorkshire, United Kingdom)
- 13:25 A call to action: time to change the SABA culture**
Alberto Papi (Cona, Ferrara, Italy)
- 13:35 Q&A session and close**
Christine Jenkins (McMahons Point (NSW), Australia), Eric D. Bateman (Cape Town, South Africa), Richard Beasley (Wellington, New Zealand), Michael Crooks (East Riding of Yorkshire, United Kingdom), Alberto Papi (Cona, Ferrara, Italy)

Amber 5+6 Session 14:00 - 14:45

Industry Skills Lab Workshop: Peripheral lung biopsy – how radial EBUS and navigation help obtain a diagnosis

Organised by FUJIFILM

Chairs : Lucio Michieletto (venice, Italy), Filippo Lanfranchi (Venice, Italy)

- 14:00 Peripheral lung biopsy – how radial EBUS and navigation help obtain a diagnosis**
Laura Mancino (Spinea (VE), Italy), Giuseppe Paciocco (Monza (MI), Italy)

Amber 7+8 Session 14:00 - 14:45

Industry Skills Lab Workshop: Mucus Management with Simeox therapy in non-CF Bronchiectasis: from hospital to home

Organised by PhysioAssist

Chairs : Wojciech Piotrowski (Łódź, Poland)

- 14:05 Simeox therapy in non-CF Bronchiectasis: Indications and Recommendations**
Joanna Miłkowska-Dymanowska (Łódź, Poland)
- 14:15 Non-CF Bronchiectasis patients treated with Simeox therapy at Hospital and Home: Results of Multicentric Study**
Aleksander Kania (Kraków, Poland)

14:25 Importance of Mucus Clearance in Non-CF Bronchiectasis: Clinical Cases
Vittoria Comellini (Bologna (BO), Italy)

14:35 Simeox Hands-on / Live Demonstration

Amber 7+8

Session

15:30 - 16:15

Industry Skills Lab Workshop: How to implement patient feedback in CPAP therapy

Organised by ResMed

Chairs : Tarja Saaresranta (Littainen, Finland), Kimberly L. Sterling (Indianapolis, United States)

15:30 The importance of patient feedback and Patient-Reported Outcome Measures in patient care management
Erna Sif Arnardóttir (Reykjavik, Iceland)

15:48 Early experiences of Care Check-In as a patient feedback tool in CPAP therapy
Sandrine Launois Rollinat (Paris, France)

Amber 5+6

Session

15:30 - 16:15

Industry Skills Lab Workshop: Healthcare Freudenfreude: How Data from Clinically-Proven Digital Health Tools Put Patients, Providers, and Pharma on the Same Team

Organised by Propeller Health

Aims : A harmonious, resilient healthcare ecosystem relies on a few critical pieces to function: the patient must be central, benefits must be mutual, and data must be collected and shared with care and intention. Digital health tools, specifically those that are connected to pharmaceutical products, are uniquely positioned to be a force to make this ecosystem work as intended.

Critical to such a symbiotic relationship is reliable, secure data flow. When a digital health tool collects patient data – demographic and relevant social or cultural information, behavior patterns, adherence trends, digital biomarkers, and quality of life indicators – and then aggregates, analyzes, and shares insights relevant to healthcare professionals (HCPs), insurers, and other stakeholders, the entire ecosystem is empowered to make informed decisions that maintain patient-centricity.

Propeller's platform has mastered this delicate balance, drawing from 10+ years of learnings in research and commercial settings:

A connected drug delivery experience (sensors or devices and patient engagement software) passively captures patient behavior data and provides actionable insights

With access to patient behavior and health data, HCPs can solve for care gaps, make more informed treatment decisions including readiness for step-up-therapy, intervene before exacerbations send their patients to the ER, and improve quality metrics

Pharmaceutical companies generate data for real-world evidence, strengthen their value to all patients, HCPs, and insurers), and create market differentiation

And all the while, patients are surrounded with the insights, motivation, and support they need to create healthy habits, better understand their condition and treatment options, and improve their quality of life

Designing for the ecosystem – with patients at the center – enables Propeller's digital therapeutic platform to create quantifiable impact, evidenced by patient adoption, engagement, and clinical outcomes, while providing healthcare professionals and pharmaceutical companies with advanced insights and levers to improve health outcomes.

Chairs : Yury Rozenman (Moraga, United States)

15:30 Real evidence, real impact: Boosting commercial value with digital programs that accelerate patient and physician outcomes
Yury Rozenman (Moraga, United States), Susa Monacelli (San Diego, United States), James Hadwin (Southport (Merseyside), United Kingdom)

Amber 5+6

Session

17:30 - 19:00

Industry evening mini symposium: Shaping the future in rare lung diseases: From imaging to patient management

Organised by CSL Behring GmbH

Chairs : Marlies S. Wijsenbeek (Rotterdam, Netherlands), Simon Walsh (London, United Kingdom)

17:30 Welcome and introduction to the faculty and symposium topics
Marlies S. Wijsenbeek (Rotterdam, Netherlands), Simon Walsh (London, United Kingdom)

17:32 Identifying unmet needs in rare lung diseases
Luca Richeldi (Roma, Italy)

17:40	Challenges and progress in predicting disease trajectories. Part I: AATD Noel Gerard McElvaney (Dublin, Ireland)
17:50	Challenges and progress in predicting disease trajectories. Part II: IPF Marlies S. Wijsenbeek (Rotterdam, Netherlands)
18:00	Camouflage: How asthma obscures the diagnosis of AATD Filipa Costa (Coimbra, Portugal)
18:10	Discussion Part I Marlies S. Wijsenbeek (Rotterdam, Netherlands), Simon Walsh (London, United Kingdom)
18:20	Imaging challenges in lung fibrosis Simon Walsh (London, United Kingdom)
18:30	New tools to advance imaging in rare lung diseases Elizabeth Estes (Saugatuck, United States)
18:40	Implications for management of rare lung diseases Luca Richeldi (Roma, Italy)
18:50	Discussion Part II Marlies S. Wijsenbeek (Rotterdam, Netherlands), Simon Walsh (London, United Kingdom)
18:59	Summary and closing remarks Marlies S. Wijsenbeek (Rotterdam, Netherlands), Simon Walsh (London, United Kingdom)

Amber 7+8**Session****17:30 - 19:00****Industry evening mini symposium: Unexplained ILDs and Rare Disease ASMD: Differential Diagnosis to Treatment***Organised by Sanofi***Chairs :** Vincent Cottin (Lyon, France)

17:30	Welcome and introduction Vincent Cottin (Lyon, France)
17:35	Challenges and opportunities in recognising and managing patients with ILD Vincent Cottin (Lyon, France)
17:50	ILDs: diagnostic pathways and differential diagnosis Wim A. Wuyts (Leuven, Belgium)
18:05	Clinical evidence for the management of the rare disease ASMD Maurizio Scarpa (Udine, Italy)
18:20	Pulmonologists perspective: management of pulmonary manifestations of the rare disease ASMD Francesco Bonella (Düsseldorf, Germany)
18:35	Panel discussion, Q&A Vincent Cottin (Lyon, France), Wim A. Wuyts (Leuven, Belgium), Maurizio Scarpa (Udine, Italy), Francesco Bonella (Düsseldorf, Germany)

Yellow 1+2+3**Session****17:30 - 19:00****Industry evening symposium: COPD and quality of life, beyond symptoms and exacerbations***Organised by Menarini Group***Chairs :** Marc Miravittles (Barcelona (CT), Spain)

17:30	Chairman's introduction Marc Miravittles (Barcelona (CT), Spain)
17:40	LABA/LAMA combination: not just a simple bronchodilation Claudio Micheletto (S.Giovanni Lupatoto, Italy)
18:05	Is it time for a more holistic approach in COPD? Jutta Beier (Wiesbaden, Germany)

18:30 **Chairman's take home messages and conclusions**
Marc Miravittles (Barcelona (CT), Spain)

18:50 **Q&A**
Marc Miravittles (Barcelona (CT), Spain), Jutta Beier (Wiesbaden, Germany), Claudio Micheletto (S.Giovanni Lupatoto, Italy)

Coral 2 Session 17:30 - 19:00

Industry evening symposium: Climate change, infection and the airways in a post-pandemic world
Organised by Haleon

Chairs : Christopher Carlsten (Vancouver (BC), Canada)

17:30 **Toxic partnership of air pollution and climate change on respiratory health**
Kian Fan Chung (London, United Kingdom)

17:50 **Climate Change: Changing Respiratory Health**
Sundeep Santosh Salvi (Pune (Maharashtra), India)

18:10 **Respiratory infections in post pandemic era**
Gary Wong (Shatin, Hong Kong)

18:30 **Key lessons, outstanding questions, and future directions regarding climate change, infections and respiratory health in a post-pandemic world**
Christopher Carlsten (Vancouver (BC), Canada)

18:50 **Q&A**
Christopher Carlsten (Vancouver (BC), Canada), Kian Fan Chung (London, United Kingdom), Sundeep Santosh Salvi (Pune (Maharashtra), India), Gary Wong (Shatin, Hong Kong)

Purple Session 17:30 - 19:00

Industry evening symposium: Evolving Patient Care: From Symptom Control to On-Treatment Clinical Remission

Organised by Sanofi Regeneron

Chairs : Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom)

17:30 **Welcome**
Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom)

17:35 **Presentation of Patient Cases**
Vibeke Backer (Copenhagen, Denmark)

17:40 **Advancing Asthma Management Beyond Symptom Control**
Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom)

17:55 **Panel Discussion**
Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Vibeke Backer (Copenhagen, Denmark), Francesca Antonietta Puggioni (Rozzano (MI), Italy)

18:05 **How Achievable is Clinical Remission on Biologic Therapy?**
Francesca Antonietta Puggioni (Rozzano (MI), Italy)

18:25 **Panel Discussion and Mini-debate**
Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Vibeke Backer (Copenhagen, Denmark), Francesca Antonietta Puggioni (Rozzano (MI), Italy)

18:40 **Type 2 Biomarkers as Predictive and Prognostic Tools to Guide Management**
Vibeke Backer (Copenhagen, Denmark)

18:48 **Panel Discussion and Q&A**
Vibeke Backer (Copenhagen, Denmark), Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Francesca Antonietta Puggioni (Rozzano (MI), Italy)

Coral 1 Session 07:15 - 08:15

Industry early morning symposium: Pertussis Exposed: the challenges and conundrums of pertussis in adults

Organised by Sanofi

Chairs : Alberto Papi (Cona, Ferrara, Italy)

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| 07:15 | Welcome and introduction
Alberto Papi (Cona, Ferrara, Italy) |
| 07:20 | Panel Discussion Pertussis in adults: should we be concerned?
Alberto Papi (Cona, Ferrara, Italy), Mine Durusu-Tanriover (Ankara, Turkey), George Kassianos (London, United Kingdom), Carl Heinz Wirsing von König (Cologne, Germany) |
| 07:30 | Panel Discussion The coughing adult: is pertussis a consideration?
Alberto Papi (Cona, Ferrara, Italy), Mine Durusu-Tanriover (Ankara, Turkey), George Kassianos (London, United Kingdom), Carl Heinz Wirsing von König (Cologne, Germany) |
| 07:40 | Panel Discussion Epidemiological data on pertussis in adults: a chicken and egg conundrum?
Alberto Papi (Cona, Ferrara, Italy), Mine Durusu-Tanriover (Ankara, Turkey), George Kassianos (London, United Kingdom), Carl Heinz Wirsing von König (Cologne, Germany) |
| 07:50 | Panel Discussion Adult immunisation for pertussis control: what are the challenges?
Alberto Papi (Cona, Ferrara, Italy), Mine Durusu-Tanriover (Ankara, Turkey), George Kassianos (London, United Kingdom), Carl Heinz Wirsing von König (Cologne, Germany) |
| 08:00 | Audience Q&A
Alberto Papi (Cona, Ferrara, Italy), Mine Durusu-Tanriover (Ankara, Turkey), George Kassianos (London, United Kingdom), Carl Heinz Wirsing von König (Cologne, Germany) |

Coral 2 Session 07:15 - 08:15

Industry early morning symposium: Quelling the Vicious Vortex: Targeting Neutrophil Serine Proteases in Non-Cystic Fibrosis Bronchiectasis

Organised by Insmad

Chairs : Doreen Addrizzo-Harris (New York, United States)

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| 07:15 | Welcome and Introductions
Doreen Addrizzo-Harris (New York, United States) |
| 07:20 | Taking Stock of the Burden of NCFBE
Doreen Addrizzo-Harris (New York, United States) |
| 07:30 | On the Path to Early NCFBE Diagnosis: Identifying Risk Factors and Employing Current Guidelines
Pieter Goeminne (Bornem, Belgium) |
| 07:45 | Improving Upon the Current NCFBE Standard of Care: The Role of Emerging Therapies Aimed at Inhibiting NSP Activation
Stefano Aliberti (Milano (MI), Italy) |
| 08:05 | Panel Discussion, Audience Q&A, and Closing Remarks
Doreen Addrizzo-Harris (New York, United States), Stefano Aliberti (Milano (MI), Italy), Pieter Goeminne (Bornem, Belgium) |

Amber 7+8 Session 08:00 - 08:45

Industry Skills Lab Workshop: News on Nasal High Flow for chronic diseases

Organised by FISHER&PAYKEL SAS - FRANCE

Chairs : Aline DOSSO

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| 08:00 | Hands On |
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Amber 5+6 Session 10:30 - 11:15

Industry Skills Lab Workshop: Interpretation of the Cardiopulmonary Exercise Test

Organised by Vyair Medical GmbH

Chairs : Herman Groepenhoff (Lijnden, Netherlands)

10:30 Interpretation of the Cardiopulmonary Exercise Test
Piergiuseppe Agostoni (Milan, Italy)

Amber 7+8 Session 10:30 - 11:15

Industry Skills Lab Workshop: Peripheral lung biopsy – how radial EBUS and navigation help obtain a diagnosis”

Organised by FUJIFILM

Chairs : Andrea Claudio Comel (Peschiera del Garda (VR), Italy)

10:30 Peripheral lung biopsy – how radial EBUS and navigation help obtain a diagnosis
Filippo Lanfranchi (Venice, Italy), Laura Mancino (Spinea (VE), Italy), Giuseppe Paciocco (Monza (MI), Italy)

Coral 2 Session 12:15 - 13:15

Industry Lunchtime Symposium: Pneumococcal vaccination: Does one size fit all?

Organised by MSD

Chairs : Susanna Esposito (Milano (MI), Italy)

12:15 Welcome and introduction
Susanna Esposito (Milano (MI), Italy)

12:20 Pneumococcal disease in children in the post-pandemic era
Susanna Esposito (Milano (MI), Italy)

12:35 Unique challenges of pneumococcal disease prevention in adults
Francesco Blasi (Milan, Italy)

12:50 Understanding population-specific needs in pneumococcal vaccination
Mark van der Linden (Aachen, Germany)

13:05 Discussion and closing remarks
Susanna Esposito (Milano (MI), Italy), Francesco Blasi (Milan, Italy), Mark van der Linden (Aachen, Germany)

Coral 3 Session 12:15 - 13:15

Industry Lunchtime Symposium: Prioritising patient outcomes and reducing environmental burden: how both are achievable in respiratory care

Organised by AstraZeneca

Chairs : John R Hurst (London, United Kingdom), Helen Reddel (Sydney, Australia)

12:15 Co-chairs' welcome and introduction
John R Hurst (London, United Kingdom)

12:20 Facing the challenges for healthcare in the 21st century: health equity, system resilience and the environment
Christine Jenkins (McMahons Point (NSW), Australia)

12:35 Paving the way for environmentally sustainable respiratory care
Alberto Papi (Cona, Ferrara, Italy)

12:50 Ensuring access to essential medicines: why partnership with governments and authorities is the only way to achieve patient-centric environmentally sustainable respiratory care
Omar S. Usmani (London, United Kingdom)

13:05 Audience Q&A / summary and close
John R Hurst (London, United Kingdom), Helen Reddel (Sydney, Australia), Christine Jenkins (McMahons Point (NSW), Australia), Alberto Papi (Cona, Ferrara, Italy), Omar S. Usmani (London, United Kingdom)

Yellow 1+2+3 Session 12:45 - 13:45

Industry Lunchtime Symposium: Breathing new life into acute respiratory care: proactively improving long-term outcomes

Organised by AstraZeneca

Chairs : David Price (Singapore, Singapore)

12:45	Welcome and introduction David Price (Singapore, Singapore)
12:55	Panel discussion: How can we address the burden of unplanned hospitalisations? Mona Al-Ahmad (Kuwait, Kuwait)
13:10	Panel discussion: How can we integrate learnings from cardiology to improve hospital discharge and prevent readmission? Mohit Bhutani (Edmonton (AB), Canada)
13:25	Panel discussion: Beyond acute care: how can we optimise transition of care? David Price (Singapore, Singapore)
13:40	Summary and close David Price (Singapore, Singapore)

Brown 3 Session 12:45 - 13:45

Industry Lunchtime Symposium: What's new on ILD diagnosis

Organised by Veracyte, Inc.

12:45	What is missing on UIP management, Do we need to improve diagnosis, prognosis or both ? Athol Wells (London, United Kingdom)
13:00	Moving ahead to less invasive procedures on ILD diagnosis Luca Richeldi (Roma, Italy)
13:15	New MDT management of ILDs incorporating molecular diagnosis Maria Molina Molina (Barcelona, Spain)
13:30	Joined discussion and Q&A Athol Wells (London, United Kingdom), Maria Molina Molina (Barcelona, Spain), Luca Richeldi (Roma, Italy)

Amber 7+8 Session 14:00 - 14:45

Industry Skills Lab Workshop: East meets West - global best practices

Organised by Erbe Elektromedizin GmbH

Chairs : Jürgen Hetzel (Tuebingen, Germany), António Alexandre Pinto Bugalho De Almeida (Lisboa, Portugal)

14:00	Hands on 2 x transbronchial cryobiopsy, 2 x central airway obstruction Jürgen Hetzel (Tuebingen, Germany), António Alexandre Pinto Bugalho De Almeida (Lisboa, Portugal)
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Amber 5+6 Session 14:00 - 14:45

Industry Skills Lab Workshop: Make a Lung-Term Impact: Strengthen Your Procedure Skills in Interventional Pulmonology

Organised by OLYMPUS EUROPA SE & CO. KG

Chairs :

14:00	EBUS-TBNA: Handling all procedure steps safely and efficiently
14:00	Peripheral bronchoscopy: Plan, access and identify peripheral lesions for successful sampling
14:00	Emphysema and air leak treatment with EVIS X1: Elevating the standard of therapeutic interventions
14:00	Medical Thoracoscopy: A semi-rigid approach to see and treat diseases in the thoracic cavity

Amber 7+8 Session 15:30 - 16:15

Industry Skills Lab Workshop: Nasal High Flow : New interface experience.

Organised by FISHER&PAYKEL SAS - FRANCE

Chairs : Aline DOSSO

15:30 Hands On

Red 1+2

Session

09:00 - 10:15

Industry Wednesday Special Session: Healthy lungs means healthy people? – we must do more!*Organised by AstraZeneca*

Aims : to explore the concept of good lung health and discuss the importance of advancing this in clinical practice: to highlight the importance of identifying cardiopulmonary risk in patients with COPD and discuss ways to holistically manage these patients; to discuss opportunities to demonstrate improvements in the future of respiratory care.

Chairs : Alberto Papi (Cambridge (Cambridgeshire), United Kingdom), Christine Jenkins (McMahons Point (NSW), Australia)

09:00 Co-Chairs' welcome

Alberto Papi (Cona, Ferrara, Italy), Christine Jenkins (McMahons Point (NSW), Australia)

09:05 Defining trajectories of good lung health – how do we get everyone on track?

James Allinson (London, United Kingdom)

09:20 Panel discussion and Q&A | Towards good lung health – what do we do now?

Alberto Papi (Cona, Ferrara, Italy), Christine Jenkins (McMahons Point (NSW), Australia), James Allinson (London, United Kingdom), Mona Bafadhel (London, United Kingdom), Janwillem W. H. Kocks (Groningen, Netherlands), Tonya Winders (Hendersonville, United States)

09:35 COPD: it's not just about the lungs!

Mona Bafadhel (London, United Kingdom)

09:50 Panel discussion and Q&A | How can we improve the management of COPD to reduce cardiopulmonary risk?

Alberto Papi (Cona, Ferrara, Italy), Christine Jenkins (McMahons Point (NSW), Australia), James Allinson (London, United Kingdom), Mona Bafadhel (London, United Kingdom), Janwillem W. H. Kocks (Groningen, Netherlands), Tonya Winders (Hendersonville, United States)

10:05 Summary and closing remarks

Alberto Papi (Cambridge (Cambridgeshire), United Kingdom), Christine Jenkins (McMahons Point (NSW), Australia)

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AUNG H.	AZEVEDO I.	BADHE Y.	BAKAKOS A.	BALLESTER FERRIZ A.	BARBER C.
AUQUIER M.	AZEVEDO L.	BADORREK P.	BAKAKOS P.	BALLESTEROS A.	BARBER C.
AURÉLIO DE VALOIS CORREIA JÚNIOR M.	AZEVEDO P.	BADOVINAC S.	BAKALI M.	BALLESTEROS REVIRIEGO G.	BARBER D.
AURTENETXE A.	AZIM A.	BADR ESLAM R.	BAKAR M.	BALLÓK B.	BARBERÀ C.
AUSIN HERRERO P.	AZIZ F.	BADR-ESLAM R.	BAKDACH D.	BALLOUHEY J.	BARBERÀ C.
AUSTIN C.	AZIZ I.	BADYDA A.	BAKELANTS E.	BALLOUMI N.	BARBERÀ J.
AUTERI S.	AZIZBEKOV S.	BAE H.	BAKER C.	BALLOUGH A.	BARBERÁ R.
AUTILIO C.	AZUMA A.	BAE S.	BAKER J.	BALOGH D.	BARBETA E.
AUWERX J.	AZUMA H.	BAE S.	BAKER J.	BALOGH D.	BARBETTA C.
AU-YONG I.	AZZA S.	BAE Y.	BAKER J.	BALS R.	BARBI E.
AVALIANI T.	AZZI N.	BAEK A.	BAKER P.	BALTE P.	BARBIELLINI AMIDEI C.
AVALIANI Z.	AZZOLA A.	BAEK H.	BAKER T.	BAMBIR I.	BARBIERI M.
AVALOS PEREZ- URRIA E.	B	BAEK M.	BAKERLY N.	BAMONDE L.	BARBISAN F.
AVANZI L.	B A.	BAEK S.	BAKHTADZE T.	BAN A.	BARBOSA G.
AVANZINI A.	B CHANG A.	BAEL A.	BAKHTI A.	BAN G.	BARBOSA J.
AVARLIS P.	B DE PAULA P.	BAENA C.	BAKIRARAR B.	BAÑAS CONEJERO D.	BARBOSA M.
AVARLIS P.	B. LAURSEN C.	BAENA C.	BAKIRI K.	BANCHERO M.	BARBOSA P.
AVCI E.	B. PETERS J.	BAER B.	BAKKER E.	BAND M.	BARBOSA LORENZO R.
AVCI H.	BA I.	BAEZA S.	BAKKER J.	BANDEIRA E.	BARBOSA PEREIRA DOS SANTOS L.
AVDEEV S.	BAALBAKI N.	BAEZA RUIZ A.	BAKKER M.	BANDEIRA T.	BARCA HERNANDO M.
AVERSA L.	BAASTRUP SOENDERGAARD M.	BAFADHEL M.	BAKKER S.	BANDO H.	BARCA-HERNANDO M.
AVERSENQ E.	BABA R.	BAGAN P.	BAKSHI D.	BANDO M.	BARCELÓ BENNASAR A.
AVGERI V.	BABA Y.	BAGER C.	BAL A.	BANDO T.	BARCOS V.
AVILA A.	BABALIARI E.	BAGGOTT C.	BAL C.	BANERJEE M.	BARCZI E.
AVIRAM G.	BABALIS G.	BAGLIONI S.	BALA S.	BANERJEE S.	BARDEL C.
AVIRAM M.	BABAOĞLU ELKHATROUSHI B.	BAGLOLE C.	BALAKRISHNAN A.	BANFI C.	BARDIN E.
AVOSEH M.	BABIK B.	BAGNASCO D.	BALAMURUGAN S.	BANFI P.	BARDIN P.
AVOUAC J.	BABISHVILI N.	BAGNERA C.	BALANAG V.	BANIĆ M.	BARDSLEY H.
AVOUAC J.	BABU A.	BAHAR O.	BALASUBRAMANIAN V.	BANJAC M.	BAREL N.
AVRAM A.	BABY J.	BAHLOUL N.	BALASUNDARAM K.	BANJANAC M.	BARFA A.
AVRAMIDIS A.	BACCELLI A.	BAHMER T.	BALATA H.	BANJARA S.	BARGAGLI E.
AWAN M.	BACCHIN D.	BAHRA N.	BALAYEV A.	BANKA R.	BARGÍ G.
AWASTHI S.	BACCHIN DE OLIVEIRA L.	BAHRI G.	BALAYYA S.	BANNARD-SMITH J.	BARGLAZAN D.
AXELROD T.	BACCHINI JEANNERET G.	BAHRON A.	BALÁZS A.	BANSAL A.	BARI E.
AXELSSON M.	BACCHINI	BAI W.	BALBI F.	BANSAL S.	BARI G.
AXT P.	BACCO B.	BAI X.	BALBI M.	BANYA W.	BARI R.
AY P.	BACCOLINI V.	BÄICUŞ C.	BALBIR-GURMAN A.	BAO H.	BARIČEVIĆ D.
AYACHI J.	BACH J.	BAICUS C.	BALBO P.	BAO W.	BARISONE E.
AYADI H.	BACHARIER L.	BAIGABYL B.	BALCAN B.	BAPTISTA MENEZES A.	BARJAKTAREVIC I.
AYADI M.	BACHERT C.	BAIGENZHIN A.	BALCAZAR J.	BARAA B.	BARKER A.
AYADI- KADDOUR A.	BACHOUCH I.	BAILEY A.	BALCELLS E.	BARAA B.	BARKOUS B.
AYARI R.	BÄCK E.	BAILEY E.	BALCELLS VILARNAU E.	BARAKAT M.	BARLEBO FROESIG M.
AYATHAMATTAM J.	BACK G.	BAILEY H.	BALCI P.	BARAKAT FERNÁNDEZ S.	BAR-LEV T.
AYAUB A.	BACKER V.	BAILEY K.	BALDACC I S.	BARAKET M.	BARLOW A.
AYAZSEVEN S.	BACKMAN H.	BAILIFF B.	BALDERACCHI A.	BARALDI F.	BARM PareSSOU Z.
AYDILEK O.	BACKMAN S.	BAILLIEUL S.	BALDI B.	BARALDO S.	BARNE M.
AYDIN Ö.	BĄCZEK K.	BAILLY S.	BALDI M.	BARALLE D.	BARNES C.
AYDINDAG D.	BADAGNANI I.	BAILLY S.	BALDI S.	BARANELLO G.	BARNES J.
AYEDI A.	BADAM A.	BAILY J.	BALDO F.	BARANOWSKA- KUCZKO M.	BARNES J.
AYEDI S.	BADAWY H.	BAINS M.	BALDWIN E.	BARANOWSKI L.	
AYHAN Y.	BADDINI-MARTINEZ J.	BAIO N.	BALDWIN M.	BARATA M.	
AYMAN A.	BADE G.	BAIOCCHI P.	BALDWIN M.	BARATELLA E.	
AYMEN J.		BAIXERAS N.	BALEA M.		

BARNES J.	BARZON V.	BAUTISTA-BECERRIL B.	BEEN-BUCK S.	BELL A.	BEN MANSOUR S.
BARNES P.	BAS S.	BAUTISTA-GALVÁN G.	BEER M.	BELL A.	BEN MECHLIA M.
BARNES P.	BAS BILGIN G.		BEERS M.	BELL J.	BEN MOUSSA O.
BARNES P.	BASA M.	BAVBEEK S.	BEESE C.	BELL J.	BEN SAAD S.
BARNES T.	BASAGAÑA M.	BAVDEKAR A.	BEGHÉ B.	BELL J.	BEN SAID H.
BARNEY A.	BASAGAÑA X.	BAXEVANOS G.	BEGIER E.	BELL L.	BEN SALAH I.
BARNEY I.	BASARAN E.	BAXTER B.	BEGIER E.	BELL M.	BEN SALAH N.
BARNTHALER T.	BASILE FILHO A.	BAXTER M.	BEGLEY N.	BELL T.	BEN SASSI S.
BARON A.	BASILLE D.	BAXTER S.	BEGLINGER A.	BELLACHES M.	BEN SLIMA H.
BAR-ON O.	BASINA B.	BAXTSEVANIDIS A.	BEGOT E.	BELLANDER T.	BEN TAIEB A.
BARONE I.	BASINA B.	BAYA C.	BÉGUERET H.	BELLANGER A.	BEN ZEKRI H.
BARP M.	BASIOI KASAP E.	BAYAH I.	BEGUM S.	BELLANI S.	BENABDELGHAFFAR H.
BARR R.	BASKARAN K.	BAYAT S.	BEHAN L.	BELLESTROS VIZOSO A.	BENABDELGHAFFAR H.
BARRADELL A.	BASLER S.	BAYAV S.	BEHBOUDI A.	BELLIDO-MALDONADO A.	BENAKIS G.
BARRAL FERNÁNDEZ M.	BASNA R.	BAYCHEVA M.	BEHERA A.	BELLINGERI A.	BENALI Y.
BARRAL-ARCA R.	BASOGLU O.	BAYDILI K.	BEHNDIG A.	BELLINGHAUSEN C.	BENAMMAR M.
BARRATT S.	BAŞOL GÖKSÜLÜK M.	BAYER L.	BEHNDIG A.	BELLINI A.	BENAMORE R.
BARRATT S.	BAŞPINAR A.	BAYES H.	BEHR J.	BELLINO F.	BENAVENTE I.
BARRATT* S.	BASSAN M.	BAY-JENSEN A.	BEHR J.	BELLIZZI C.	BENAVIDES CORDOBA V.
BARRECHEGUREN M.	BASSANO M.	BAYLIS L.	BEHREND S.	BELLO X.	BENAZZI E.
BARREIRO E.	BASSET P.	BAYOUMY A.	BEHRENDT U.	BELLO RODRÍGUEZ I.	BENAZZOUZ R.
BARRELLA HARBOE Z.	BASSETTI C.	BAYOUMY A.	BEIJERS R.	BELLOFIORE A.	BENAZZOUZ S.
BARRETO M.	BASSI M.	BAYRAM S.	BEIRNE P.	BELLONI P.	BENBETKA Y.
BARRETT E.	BASSINO C.	BAZDAR S.	BEITZKE D.	BELLOSILLO B.	BENBRAIEK D.
BARRETT M.	BASTARACHE J.	BAZLARINI L.	BEJAOU I.	BELLOU E.	BENCHEKROUN N.
BARINGTON J.	BASTARRIKA G.	BAZZAN E.	BEKEDAM F.	BELLOU E.	BENCHETRI T.
BARRIO E.	BASTIDAS I.	BAZZANI A.	BÉKÉSI E.	BELLOU V.	BENCHIMOL L.
BARRIOS-RUIZ A.	BASU K.	BEAR C.	BEKKER H.	BELLOUMI N.	BENCINI S.
BARROETA ESPAR I.	BATAH S.	BEARD C.	BEKKI A.	BELLVER ASPERILLA C.	BENDIXEN M.
BARROS C.	BATARILO HADAR M.	BEASLEY R.	BEKTAŞ KARAKUŞ M.	BELMONTE T.	BENDRE S.
BARROS O.	BATE S.	BEASTALL A.	BEL E.	BELO L.	BENDSTRUP E.
BARROSO A.	BATES A.	BEAUCHAMP M.	BEL AIBA R.	BELO RAVARA S.	BENEDETTI P.
BARROSO FERREIRA D.	BATIĆIĆ L.	BEAUDET A.	BEL HAJ ALI K.	BELPERIO J.	BENEDIKTSDDOTTIR B.
BARROSO-GIL M.	BATISTA D.	BEAUDIN S.	BEL HAJ YOUSSEF S.	BELTON L.	BENEGAS URTEAGA M.
BARROWMAN N.	BATISTA CANADAS J.	BEAUDOIN A.	BEL KAHLA A.	BELTON M.	BENEJAM PAUL B.
BARRY P.	BATTA R.	BEAUDOIN C.	BELACONI I.	BELTRÃO M.	BENFANTE A.
BARRY S.	BATTAGLIA E.	BEAUMONT M.	BELACONI I.	BELVISI M.	BENFEITAS R.
BAR-SHAI A.	BATTEN T.	BEAUPERTHUY LEVY T.	BELAIDI E.	BELVISI M.	BENGAARD ANDERSEN A.
BARTA I.	BATTOCHIO A.	BEAUVAIS A.	BELAKHEL O.	BEN L.	BENGTSSON S.
BARTCZAK A.	BATY F.	BECERRA MUÑOZ V.	BELAKHHEL L.	BEN AMARA K.	BENGTSSON T.
BARTELD S.	BATY F.	BECHOUCH I.	BELAKHHEL L.	BEN AFIA L.	BENHADDAD A.
BARTEN-NEINER G.	BATYALA M.	BECHOUCH I.	BELAMARIC D.	BEN ALI M.	BENHAMIDA M.
BARTENSTEIN A.	BAU D.	BECHTELLA L.	BELAROUSSI Y.	BEN ALI Y.	BENHAMOU Y.
BARTH S.	BAUÇA J.	BECK A.	BELAVENDRA A.	BEN AMAR J.	BENITEZ A.
BARTHEL D.	BAUER A.	BECKER C.	BELDA RAMIREZ J.	BEN AMARA K.	BENÍTEZ I.
BARTHE S.	BAUER D.	BECKER K.	BELEV G.	BEN BRAIEK D.	BENÍTEZ I.
BARTHSON J.	BAUER M.	BECKER M.	BELFIELD G.	BEN HMIDA L.	BENÍTEZ PÉREZ R.
BARTLETT E.	BAUER M.	BECKEROVA D.	BELGACEMI R.	BEN JAZIA R.	BENITO M.
BARTOLINI A.	BAUER T.	BECKMANN S.	BELGE C.	BEN JEMIA E.	BENITO PATÓN J.
BARTOLOMÉ B.	BAUGHMAN R.	BÉDARD A.	BELHADJ S.	BEN KHAMSA S.	BENJAFIELD A.
BARTOLOME K.	BAUGHMAN R.	BEDAWI E.	BELHAJ C.	BEN KHAMSA JAMELEDDINE S.	BENJAMIN N.
BARTOLONI A.	BAUMAN G.	BEDI R.	BELHAJ S.	BEN KHAMSA JAMELEDDINE S.	BENJAZIA R.
BARTON A.	BAUMERT T.	BEDINI J.	BELHAJ Y.	BEN LAKHAL O.	BENJELLOUN M.
BARTON C.	BAUMGARTNER B.	BEDOYA J.	BELHAJ YOUSSEF S.	BEN LAZREG N.	BENJELLOUN M.
BARTON E.	BAUMGARTNER P.	BEECH A.	BELIKOVA M.	BEN LIMEM I.	BENLALA I.
BARTOS V.	BAUMLE M.	BEECH E.	BELJERA R.	BEN MANSOUR A.	BENMAAMAR S.
BARTOŠOVSKÁ E.	BAUMLE M.	BEECKMANS H.	BELKAHLA A.	BEN MANSOUR A.	BEN-MEIR E.
BARUA I.	BAUSEK N.	BEEGAN A.	BELKHIR L.	BEN MANSOUR A.	BENN M.
BAR-YOSEPH R.	BAUTIN N.	BEEH K.	BELKHIR S.		
BARZAGHI L.	BAUTISTA MORENO R.	BEEKERS I.	BELKHIRIA H.		
		BEENA T.			

BENNER A.	BERMEJO J.	BESSACI K.	BIASIN V.	BIRRING S.	BLANCO FERNANDEZ M.
BENNETT D.	BERMEJO MARTIN J.	BESSROUR H.	BIASIOLI M.	BIRRING S.	BLANCO-APARICIO M.
BENNETT M.	BERMEJO-MARTÍN J.	BESTEGA B.	BIBAKI E.	BIRTLES A.	BLANCO-CID N.
BENNETT M.	BERMEJO-MARTIN J.	BESTRY I.	BIBBY A.	BIRTS C.	BLANCO-LIMPIN M.
BENNETT-STEELE N.	BERMUDO G.	BESWISK E.	BIBER C.	BIRZA M.	BLANKESTIJN J.
BENOIT A.	BERMUDO PELOCHE G.	BETTINI R.	BICKNELL S.	BISANG M.	BLASI F.
BENSAAD H.	BERMUDO-PELOCHE G.	BETTINSON H.	BIDIN M.	BISGAARD H.	BLASINSKA K.
BENSAADI N.	BERNACCHI G.	BEURNIER A.	BIDOIA C.	BISHOP P.	BLASKOVIC S.
BENSENOR I.	BERNADY A.	BEUTHER D.	BIEDERER J.	BISIRTZOGLU D.	BLAVIA ALOY R.
BENSON R.	BERNARD A.	BEVERAGGI E.	BIEHLER E.	BISLIMOVSKA D.	BLÉ F.
BENSON V.	BERNARDELLI R.	BEYDON N.	BIEHLER J.	BISWAS B.	BLEECKER E.
BENTLEY A.	BERNARDINELLO N.	BEYER C.	BIELSA S.	BITAR L.	BLEKIC N.
BENTO D.	BERNARDO A.	BEYER S.	BIENER L.	BITKER L.	BLENCOWE A.
BENTO L.	BERNAREGGI M.	BÉZIAT V.	BIERI O.	BITTAR S.	BLERVAQUE L.
BENVENUTI G.	BERNASCONI E.	BEZZEGHOUD S.	BIERING-SØRENSEN T.	BITTEL P.	BLIBECH H.
BENZ E.	BERNASCONI S.	BEZZIO M.	BIGNAMINI E.	BITTENGLOVA R.	BLIDARU A.
BENZA R.	BERNHOF C.	BHAKARE M.	BIGONI T.	BITTER H.	BLINDER H.
BENZAÏT S.	BERNSTEIN B.	BHALEKAR P.	BIJ DE VAATE E.	BITTON K.	BLIZOU M.
BENZO M.	BERNSTEIN E.	BHALLA A.	BIJELIC V.	BITTON L.	BLIZOU M.
BENZO R.	BERRAHO M.	BHAMANI A.	BIJESH Y.	BIZA R.	BLOCH K.
BENZOUID B.	BERRAHO M.	BHARDWAJ P.	BIJLENGA P.	BIZIEUX-THAMINY A.	BLOCH K.
BEQUIGNON E.	BERRAR TORRE I.	BHARGAVA A.	BIKOV A.	BIZYMI N.	BLOCH M.
BERARDI I.	BERRIET A.	BHARTY S.	BIKMALLA S.	BIZZOTTO D.	BLOEM B.
BERASTEGUI C.	BERRY A.	BHARWANA F.	BIKOV A.	BJARNSHOLT T.	BLOEMSMA L.
BERASTEGUI GARCIA C.	BERRY C.	BHASKARAN A.	BILANCIA R.	BJELLMO JOHNSEN I.	BLOISE S.
BERDU N.	BERRY M.	BHASKARAN I.	BILBAO J.	BJERMER L.	BLOKLAND K.
BERETTA M.	BERTACCHINI L.	BHASKARAN P.	BILD STUDY B.	BJERRING B.	BLOMBERG A.
BERG M.	BERTAGNA DE MARCHI L.	BHASKARN A.	BILD STUDY GROUP B.	BJERRUM A.	BLONDEEL A.
BERG R.	BERTANI A.	BHAT R.	BILENKO N.	BJERRUM A.	BLOOM C.
BERG R.	BERTEAUD E.	BHATE G.	BILGIN G.	BJERRUM A.	BLOOM C.
BERG V.	BERTELOOT L.	BHATEL R.	BILGITAY N.	BJERSAND SUNDE R.	BLUM H.
BERGA M.	BERTELOOT L.	BHATI W.	BILHOUÉE T.	BJÖRK HANSEN H.	BLUM T.
BERGANTINI L.	BERTELS X.	BHATNAGAR R.	BILICAN B.	BJÖRKANDER S.	BLÜME S.
BERGE M.	BERTELS X.	BHATNAGAR R.	BILIR M.	BJÖRKANDER S.	BLUMER S.
BERGE M.	BERTELSEN R.	BHATT J.	BILLE MADSEN L.	BJØRKEKJÆR H.	BLUMETHAL C.
BERGER K.	BERTELSEN R.	BHATT S.	BILLER H.	BJØRKEKJÆR H.	BLYTH K.
BERGER M.	BERTELSEN R.	BHATT S.	BILLINGHAM P.	BJÖRKLUND F.	BLYTH N.
BERGER P.	BERTHELOOT L.	BHATTA L.	BILLINGS C.	BJÖRKLUND L.	BLYTHIN A.
BERGER R.	BERTHELOOT L.	BHATTA N.	BILÒ M.	BJÖRN SCHWICK B.	BOADA M.
BERGER S.	BERTHIER S.	BHATTACHARYA S.	BIN ABDUL RAHAMAN J.	BJÖRNSON M.	BOADA-PÉREZ M.
BERGEREAU H.	BERTO J.	BHATTACHARYYA A.	BIN MOHAMED NOOR I.	BLACK D.	BOAG A.
BERGERON A.	BERTO HAYASHI M.	BHATTACHARYYA P.	BIN SAFAR S.	BLACK L.	BOARBI S.
BERGERON C.	BERTOCCHI L.	BHATTARAI P.	BINCOLETTO V.	BLACK S.	BOARINO S.
BERGGREN-NYLUND R.	BERTOLACCINI L.	BHATTARAI S.	BINDER C.	BLACK S.	BOBU E.
BERGHOLD A.	BERTOLETTI F.	BHAUSAR P.	BINDER-RODRIGUEZ C.	BLACKSTOCK F.	BOBYLEV D.
BERGLER-KLEIN J.	BERTOLETTI L.	BHIKOO R.	BINDO F.	BLAGOEVA V.	BOCCABELLA C.
BERGMANN A.	BERTOLI M.	BHIRI S.	BINGÖL A.	BLAILEY J.	BOCCACCIO C.
BERGMANN K.	BERTOLI S.	BHUTANI M.	BINI F.	BLAKE L.	BOCCHINO V.
BERGMANN M.	BERTOLINI F.	BIAGINI G.	BINTALIB H.	BLALOCK J.	BÖCK A.
BERGMANN U.	BERTON D.	BIAŁAS A.	BINTI UMAR S.	BLANC F.	BOCK G.
BERGOGNUOX A.	BERTON D.	BIAŁEK-GOSK K.	BIONDARO S.	BLANC F.	BOCK K.
BERGQVIST J.	BERTOZZI H.	BIAN T.	BIONDINI D.	BLANCH L.	BODÁK B.
BERGSTROM A.	BERTRAND Y.	BIAN Y.	BIRCHARD D.	BLANCHARD E.	BODDULURI S.
BERGSTROM E.	BERTUCCIO F.	BIANCADI A.	BIRKEN C.	BLANCHARD M.	BODDY C.
BERIDZE V.	BERTUCCIO F.	BIANCARDI A.	BIRKEN C.	BLANCHART E.	BODDY C.
BERIS E.	BERTULETTI S.	BIANCHI F.	BIRKEN C.	BLANCHON S.	BODENHOFER U.
BERJA A.	BERTUSSI M.	BIANCHI L.	BÍRÓ M.	BLANCHOT T.	BODINI B.
BERKEMEIER C.	BERTZOUANIS A.	BIANCHI S.	BIRONNEAU V.	BLANCO I.	BODINIER B.
BERLOWITZ D.	BESERRA J.	BIANQUIS C.	BIRRELL M.	BLANCO R.	BODTGER U.
BERLOWITZ D.	BESMA H.	BIARDEL S.	BIRRELL M.	BLANCO APARICIO M.	BOEDIJONO F.
	BESOZZI G.	BIASIN M.	BIRRELL M.	BLANCO BEJAR M.	BOEDIJONO F.
			BIRRING S.		BOEHM A.

BOEHMER A.	BON M.	BORELLI M.	BOUAZZA B.	BOVERMANN X.	BRAND M.
BOEL J.	BONACINA C.	BORG B.	BOUBAKER N.	BOWATTE G.	BRANDAO C.
BOELLE P.	BONAITI G.	BORG M.	BOUBTANE R.	BOWDEN J.	BRANDSEN M.
BOERNER E.	BONANNI M.	BORGES P.	BOUCHAREB S.	BOWDISH D.	BRANDSMA C.
BOERRIGTER B.	BONATTI M.	BORGHI SILVA A.	BOUCHAUD G.	BOWEN K.	BRANDSTETTER S.
BOERS E.	BONAVOGLIA F.	BORGHI-SILVA A.	BOUCHER M.	BOWERMAN C.	BRANDT J.
BOERSMA R.	BONCI E.	BORGHUIS T.	BOUCHERAT O.	BOWLER R.	BRAO PEREZ I.
BOERSMA W.	BONCI T.	BORGWARDT L.	BOUCHET C.	BOWLER R.	BRASCHLER N.
BOESCH M.	BONDUE A.	BORIE R.	BOUCHRA A.	BOWLER R.	BRAT K.
BOESING M.	BONE J.	BORISOVA E.	BOUCLY A.	BOWLER S.	BRATH M.
BOETTICHER P.	BONELIS K.	BORISSOVA E.	BOUDAWARA N.	BOYD J.	BRATKUHN M.
BOGAARD H.	BONELLA F.	BORKHOFF C.	BOUDIER A.	BOYER A.	BRATTETEIG M.
BOGAARD H.	BONETTI S.	BORKHOFF C.	BOUDJEMAA A.	BOYERS A.	BRAUN A.
BOGAARD H.	BONGARD C.	BORLAND M.	BOUDOUISSIER A.	BOYLE B.	BRÄUNLICH J.
BOGACZ K.	BONGERS B.	BORLÉE F.	BOUDREAU J.	BOYLE K.	BRAUNSTAHL G.
BOGADO J.	BONGERS T.	BORNESUND D.	BOUFARES A.	BOYLE N.	BRAUNSTAHL G.
BOGAERT D.	BONHIVER R.	BOROBIA IRACHE E.	BOUGACHA M.	BOYTON M.	BRAUNSTAHL G.
BOGAERTS K.	BONIFÁCIO L.	BOROS A.	BOUGARD N.	BOŽANIĆ B.	BRAVO C.
BOGAN R.	BONIFAZI M.	BOROS M.	BOUGRIDA M.	BOZDEMIR-OZEL C.	BRAVO CORTÉS P.
BOGDAN P.	BONILLA G.	BOROS P.	BOUHAMDI A.	BOZINOVSKI S.	BRAVO MARQUÉS R.
BØGE I.	BONILLA ARJONA J.	BORRES M.	BOUHOULA M.	BOZOVIC G.	BRAVO QUIROGA L.
BØGELUND M.	BONINI M.	BORSEKOFISKY S.	BOUJIBAR F.	BOZZA E.	BRAY J.
BØGESVANG G.	BONNABEL-BECERRA G.	BORTOLOTTI C.	BOUJNEH S.	BOZZI C.	BRAZZALE D.
BOGHANIM T.	BONNARDEL E.	BORTON R.	BOUKADIDA N.	BOZZINI S.	BREDA NETO C.
BOGLOU P.	BONNE A.	BORUCKI T.	BOUKHIAR H.	BRAAMS N.	BREDBERG A.
BOGOEVSKA V.	BØNNELYKKE K.	BORYSOVA O.	BOULAY M.	BRABANDT B.	BREEN R.
BOGOS K.	BONNET P.	BORZANI I.	BOULET L.	BRABRAND M.	BREGNBALLE V.
BOHÁCS A.	BONNET S.	BOS D.	BOULOUKAKI I.	BRACCIALE P.	BREISNES H.
BOHLEN J.	BONNET S.	BOS L.	BOUMPAS D.	BRACCIALI A.	BREMNER S.
BOHRA G.	BONNEVIE T.	BOS L.	BOUNOUA F.	BRACHER K.	BRENNAN E.
BOIARINA E.	BONNEY A.	BOS S.	BOURAHLI M.	BRACKA I.	BRENNAN E.
BOIRE R.	BONNIAUD P.	BOSACOMA A.	BOURBEAU J.	BRACKE K.	BRENNAN V.
BOISSELIER C.	BONO R.	BOSACOMA ARMORA A.	BOURDAIS C.	BRACKENBOROUGH K.	BRENOP T.
BOISSON-DUPUIS S.	BONOMI F.	BOSCH T.	BOURDET D.	BRADDING P.	BRESLAVSKY A.
BOITIAUX J.	BONSIGNORE M.	BOSCOLO A.	BOURDIN A.	BRADDING ON BEHALF OF THE INVESTIGATORS FOR THE UK MRC REFRACTORY ASTHMA STRATIFICATION PROGRAM (RASP-UK) P.	BRESSER P.
BOIVIN J.	BONSIGNORE M.	BOSCOLO BARIGA N.	BOURDIN A.		BRESSER P.
BOJANG F.	BONSIGNORE M.	BOSHER O.	BOURGEOIS A.		BRESTRICH G.
BOJIC Z.	BONTA P.	BOSISIO D.	BOURGEOIS N.		BRETH HOLMGAARD F.
BOKAN A.	BONTA P.	BOSISIO F.	BOURINET V.		BRETOS T.
BOKAN A.	BONTA P.	BOSNAK GUCLU M.	BOURKE J.		BRETOS
BOKAN D.	BONTE M.	BOSNAR M.	BOURKE S.		BRETOS DORRONSORO T.
BOKOBZA J.	BONTE S.	BOSNIC-ANTICEVICH S.	BOURKE S.	BRADDY-GREEN A.	BREUER O.
BOKOWSKI S.	BONTEN M.	BOSSÉ Y.	BOURKE S.	BRADICICH M.	BREUILS-BONNET S.
BOLAJI J.	BONTEN M.	BOSSÉ Y.	BOURKHIME H.	BRADLEY J.	BREULS S.
BOLAND A.	BONTINCK A.	BOSSERS A.	BOUROMMENA S.	BRADLEY J.	BREW B.
BOLDBAATAR B.	BONUCCELLI C.	BOSSIOS A.	BOUROS D.	BRADLEY J.	BREW B.
BOLDO R.	BONVINI S.	BOSSLEY C.	BOUROUIS N.	BRADLEY T.	BREW B.
BOLHUIS M.	BONVINI S.	BOSSON J.	BOUSAMAKI J.	BRADLEY T.	BREWER S.
BOLÍVAR S.	BONVINI S.	BOSTAN P.	BOUSQUET J.	BRADSHAW T.	BREWIS M.
BOLIVAR CUEVAS S.	BOON M.	BOSTEELS C.	BOUSQUET M.	BRAGA S.	BREYER M.
BOLLO E.	BOONSARNGSUK V.	BOTINI F.	BOUSSEL L.	BRAGANÇA A.	BREYER-KOHANSAL R.
BOLOTBEK U. A.	BOONSTRA A.	BOTLA S.	BOUSSO A.	BRAGANZA S.	BREYER-KOHANSAL R.
BOLT L.	BOOTH S.	BOTNARU V.	BOUSSOFFARA L.	BRAHAM E.	BREYER-KOHANSAL R.
BOLTON C.	BORADE S.	BOTTAI M.	BOUTBAGHA N.	BRAHAM Y.	BRIANÇON-MARJOLLET A.
BOLTON C.	BORDAG N.	BOTTIER M.	BOUTOU A.	BRAHEM A.	BRICEÑO W.
BOLTON S.	BORDAS J.	BOTTO C.	BOUVAIST H.	BRAHEM E.	BRICKSTOCK A.
BOMAN C.	BORDAS MARTINEZ J.	BOTTO C.	BOUVRY D.	BRAHIM D.	BRICKMONT N.
BOMANS P.	BORDAS-MARTÍNEZ J.	BOTVINIKOVA L.	BOU-ZEID W.	BRAILS FORD W.	BRIDAL LØGSTRUP B.
BOMBELLI S.	BORDERIAS CLAU L.	BOUALEM K.	BOUZIGON E.	BRAMBILLA I.	BRIDEVAUX P.
BOMBIERI C.	BOREL A.	BOUASSIDA I.	BOUZIN C.	BRANCA-AFRAZI M.	BRIDEVAUX P.
BON C.	BOREL J.	BOUAZIZ O.	BOVEN, VAN J.	BRANCAFORTE A.	

BRIDGES J.	BROOKS S.	BRUNO I.	BULLENS D.	BUSH E.	CABALLERO J.
BRIENZA N.	BROOMFIELD H.	BRUNO P.	BULLOCK D.	BUSI L.	CABALLERO P.
BRIGANTI F.	BROQI M.	BRUSAMENTO M.	BULOTTA A.	BUSNELLI S.	CABALLERO R.
BRIGGS A.	BROSSEAU C.	BRUSCA I.	BÜLOW SAND J.	BUSSE H.	CABALLERO SEGURA F.
BRIGGS L.	BROTO A.	BRUSSE-KEIZER M.	BULT L.	BUSSE W.	CABANES LÓPEZ L.
BRIGGS-PRICE S.	BROTTO A.	BRUSSE-KEIZER M.	BUMBACEA D.	BUSSELL E.	CABOCHE S.
BRIGHTLING C.	BROUARD J.	BRUSSELLE G.	BUNCK A.	BUSSOLARI C.	CABRAL E.
BRIGHTLING C.	BROUARD S.	BRUSSELMANS M.	BUNCLARK K.	BUSSOTTI M.	CABRAL M.
BRIGHTLING C.	BROUPI D.	BRUSSINO L.	BUNEL V.	BUSTAMANTE A.	CABRAL AMARAL DA CUNHA M.
BRIGHTLING C.	BROUQUIÈRES D.	BRUSTAD N.	BUNTEMAYER O.	BUSTAMANTE G.	CABRALES L.
BRIGHTLING C.	BROUWER M.	BRUTSCHE M.	BUONAGURIO B.	BUSTAMANTE J.	CABRERA E.
BRIGHTLING C.	BROUZES C.	BRUTSCHE M.	BUONAMICO E.	BUSTAMANTE M.	CABRERA R.
BRIGHTON L.	BROWARSKI M.	BRUYNDONCKX R.	BUONAURO S.	BUSTAMANTE-MUNGUIRA E.	CABRERA CESAR E.
BRIGNALL K.	BROWN A.	BRUYNEEL A.	BURAN CIRAK Y.	BUTABEKOV I.	CABRERA CÉSAR E.
BRIGNOLE C.	BROWN D.	BRUYNEEL M.	BURASCHI R.	BUTCHER E.	CABRERA GUERRERO J.
BRIKI C.	BROWN G.	BRUZZESE J.	BURAVEL H.	BUTFIELD R.	CABRERA GUERRERO S.
BRILL B.	BROWN G.	BRUZZI G.	BURG VAN DEN J.	BUTLER A.	CABRERA LÓPEZ C.
BRILLET P.	BROWN J.	BRUZZI J.	BURGE J.	BUTLER C.	CABRERA MARTOS I.
BRIMS F.	BROWN J.	BRYNEDAL A.	BURGE S.	BUTLER J.	CABRERA PIMENTEL L.
BRINCHAULT G.	BROWN K.	BRYSCHE E.	BURGEL P.	BUTLER M.	CABRERA PIMENTEL L.
BRINDEL A.	BROWN K.	BUBENDORF L.	BÜRGER P.	BUTLER S.	CABRERA PIMENTEL L.
BRINDLE K.	BROWN L.	BUCCHIERI F.	BURGESS A.	BUTLER S.	CABRERA-LÓPEZ C.
BRINGARD A.	BROWN L.	BUCCHIONI E.	BURGESS G.	BUTOV D.	CABRIADA V.
BRINKHOF M.	BROWN M.	BUCCI C.	BURGESS H.	BUTOVA T.	CABRILLAC G.
BRINKHUES S.	BROWN M.	BUCCI T.	BURGESS J.	BUTT R.	CACCIATORE E.
BRINKMAN P.	BROWN P.	BUCHALTER C.	BURGESS J.	BUTT U.	CACEIRO R.
BRINKMANN F.	BROWN R.	BUCHAN T.	BURGESS K.	BUTTERY S.	CADDEN P.
BRION C.	BROWN R.	BUCHMANN N.	BURGHUBER O.	BUTTERY S.	CADRANEL J.
BRIONES ALVARADO S.	BROWN S.	BUCHNER S.	BURGHUBER O.	BUTTINI F.	CAETANO ALBINO DA SILVA E.
BRIONES ALVARADO S.	BROWN S.	BUCHSHTAB N.	BURGHUBER O.	BUTTS J.	CAETANO MOTA P.
BRISEBARRE A.	BROWN T.	BUCHVALD F.	BURGOS S.	BUXTON M.	CAFAZZO J.
BRISTER D.	BROWN T.	BUCHVALD F.	BURGOYNE T.	BUYLE F.	CAFFARELLI C.
BRISTER D.	BROWN V.	BUCHWALD I.	BURGOYNE T.	BÜYÜKŞAHIN H.	CAFFREY OSVALD E.
BRISTOWE K.	BROWN ARREOLA B.	BUCKLEY C.	BURGSTALLER G.	BYRNE A.	CAGATAY T.
BRITES GRAVE A.	BROWN(+) G.	BUCKLEY E.	BURHAN H.	BYRNE H.	ÇAĞLAR H.
BRITES-PEREIRA M.	BRUCE A.	BUCKLEY G.	BURKE A.	BYRNE L.	ÇAĞLAYAN B.
BRITO SILVA S.	BRUCE E.	BUCKROYD E.	BURKE C.	BYRNE T.	CAGLIONI F.
BRITSCH S.	BRUCE P.	BUCSÁN C.	BURKE N.	BYRNES D.	ÇAĞRI ARSLAN D.
BRITT R.	BRUCHFELD J.	BUCSÁN C.	BURKE T.	BZIK D.	CAGUANA VÉLEZ O.
BRITTON N.	BRÜCKNER K.	BUDAK M.	BURMEISTER Y.	C	CAHALANE O.
BRIXI A.	BRUEY J.	BUDEUS B.	BURNETT B.	C S.	CAHILL K.
BRIZ E.	BRUGGER J.	BUDGEN N.	BURNEY P.	C CARTER J.	CAHINDE I.
BRIZOLA L.	BRUGNIAUX J.	BUDI E.	BURNS G.	C DAVIES J.	CAHN T.
BROCH K.	BRUGÓS L.	BÜDI L.	BURNS M.	C DORNELES C.	CAI D.
BROCHIERO E.	BRUHA T.	BUDINGER G.	BURNS M.	C FERREIRA J.	CAI F.
BROCK J.	BRUIJNING-VERHAGEN P.	BUDYONNA M.	BURNS P.	C HALLAL P.	CAI H.
BROCK JAKOBSEN L.	BRÛLÉ E.	BUEKERS J.	BURRACK N.	C LUNARDI A.	CAI H.
BROCKI B.	BRUMPTON B.	BUELTHOFF E.	BURTIN C.	C M SIMOES D.	CAI S.
BRODERICK M.	BRUNBORG C.	BUENDÍA ROLDÁN I.	BURTON C.	C STARKE A.	CAI Z.
BRODERSEN J.	BRUNEKREEF B.	BUENDÍA-ROLDÁN I.	BURTON O.	C V ABRAS A.	CAIAFFA M.
BRODEY A.	BRUNEL H.	BUENO FREIRE L.	BURTON R.	C WEHRMEISTER F.	CAICEDO-TRUJILLO S.
BROEKHUIJSEN - GODDING M.	BRUNELLI A.	BUESS C.	BUSACK L.	C ZAMMIT D.	CAILLARD C.
BRÖMS K.	BRUNELLI V.	BUGONOVIC D.	BUSACK L.	C HARMSEN M.	CAILLE P.
BRÖNNIMANN D.	BRUNELLI V.	BUHL R.	BUSBY J.	C.J.J BERGMANS D.	CAIN J.
BROOK M.	BRUNI C.	BUI D.	BUSCETI M.	CABALLERIA E.	CAIRES N.
BROOKE J.	BRUNI C.	BUICAN I.	BUSCETTA M.	CABALLERIA LAMELAS E.	CAKIR E.
BROOKES I.	BRUNINI PITTA	BUICAN L.	BÜSCHER E.	CABALLERO E.	CAKMAK A.
BROOKES J.	PALHARES K.	BUKLIOSKA	BUSEGHIN D.		
BROOKS D.	BRUNIO C.	ILIEVSKA D.	BUSH A.		
	BRUNN T.	BULATHSINHALA L.	BUSH A.		
	BRUNO A.	BULL J.			

CALA A.	CAMARGO-ÁNGELES R.	CANONICA G.	CARLENS J.	CARROLL M.	CASCÓN HERNÁNDEZ J.
CALA GARCIA J.	CAMBIER M.	CANSECO J.	CARLIER N.	CARROLL M.	CASE A.
CALABRESE F.	CAMBONI D.	CANT E.	CARLON M.	CARROLL T.	CASIRAGHI N.
CALABRÒ F.	CAMBOULIVE A.	CANTAIS A.	CARLON M.	CARROLL T.	CASO A.
CALA-GARCIA J.	CAMELI P.	CANTILLO-BERNI A.	CARLON M.	CARROZZI L.	CASOTTO V.
CALANDRIELLO L.	CAMELO S.	CANTLE F.	CARLSEN J.	CARSETTI R.	CASS S.
CALARAS D.	CAMERON G.	CANTÓ E.	CARLSON L.	CARSON J.	CASSAI L.
CALARASU C.	CAMERON R.	CANTUARAS J.	CARLSSON A.	CARSON J.	CASSANDRO R.
CĂLĂRAȘU C.	CAMERON W.	CANTURK A.	CARLSSON K.	CARSON K.	CASSANO G.
CALCIANO L.	CAMICIOTTOLI G.	CAO D.	CARLSSON L.	CARSON S.	CASSANO P.
CALDERARI G.	CAMIDGE L.	CAO L.	CARMAN C.	CARSTENSEN S.	CASSELLS A.
CALDERS P.	CAMIÑA R.	CAO S.	CARME H.	CARTEAUX G.	CASSERLY S.
CALDWELL J.	CAMINATI A.	CAPARRÓS I.	CARMEZIM-CORREIA J.	CARTER B.	CASSIBBA J.
CALERO PARDO S.	CAMINATI M.	CAPARRÓS-MARTÍN J.	CARMICHAEL P.	CARTER J.	CASSIDY N.
CALIANDRO R.	CAMINO A.	CAPELOZZI V.	CARMICHAEL Z.	CARTER N.	CASSINI L.
CALIEZ J.	CAMIOLO M.	CAPENER D.	CARMONA E.	CARTER V.	CASTALDI P.
CALIK BASARAN N.	CAMMARATA G.	CAPENER D.	CARMONA-IRAGUI M.	CARTÓN SÁNCHEZ B.	CASTAN A.
CALIK KUTUKCU E.	CAMMILLERI G.	CAPITÃO A.	CARNEIRO F.	CARTÓN SÁNCHEZ M.	CASTAN M.
CALIK-KUTUKCU E.	CAMP C.	CAPNETZ-STUDY GROUP ..	CARNEIRO DE MENDONCA D.	CARTWRIGHT J.	CASTANEDA E.
CALIMAN-STURDZA O.	CAMPAGNAC M.	CAPOCCI S.	CARNEIRO OLIVEIRA-JUNIOR M.	CARUSO C.	CASTANEDA J.
CALINAWAGAN B.	CAMPAINHA S.	CAPONI L.	CARNOVALE V.	CARUSO P.	CASTAÑEDA S.
CALLARI A.	CAMPAÑA E.	CAPPELLATO G.	CARNOVALE V.	CARVALHO Á.	CASTAÑEDA ORDÓÑEZ L.
CALLE M.	CAMPAÑA-DUEL E.	CAPPELLETTI C.	CARO F.	CARVALHO A.	CASTAÑEDA ORDÓÑEZ L.
CALLEJA A.	CAMPBELL C.	CAPPELLETTI T.	CAROLI A.	CARVALHO A.	CASTANIERE I.
CALLEJAS F.	CAMPINS F.	CAPPIELLO C.	CARPAGNANO G.	CARVALHO C.	CASTAÑO G.
CALLEJÓN LEBLIC B.	CAMPISI R.	CAPPON G.	CARPAIJ O.	CARVALHO C.	CASTEIGT J.
CALLENS S.	CAMPO EZQUIBELA A.	CAPRIOTTI L.	CARPENÈ N.	CARVALHO C.	CASTEJÓN DIAZ R.
CALLISTER M.	CAMPOMANES C.	CAPUANO V.	CARPENTIER J.	CARVALHO E.	CASTEJON PINA N.
CALLISTER M.	CAMPOS E.	CARA A.	CARPENTIER M.	CARVALHO J.	CASTELLANOS LÓPEZ L.
CALMA N.	CAMPOS R.	CARAIOLA S.	CARPIO C.	CARVALHO P.	CASTELLI G.
CALMELAT R.	CAMPOS CARO A.	CARAMORI G.	CARPIO SEGURA C.	CARVALHO R.	CASTELLO-SIMÕES V.
CALMELAT R.	CAMPOS TÉLLEZ S.	CARAZO FERNANDEZ L.	CARR J.	CARVALHO R.	CASTELLVI I.
CALMES D.	CAMPUBI M.	CARBONE R.	CARR S.	CARVALHO R.	CASTIER Y.
CALÓ O.	CAMPUBÍ-RIMBLAS M.	CARBONELL N.	CARR S.	CARVALHO-PINTO R.	CASTILHO DE FIGUEIRÊDO L.
CALO' G.	CAMUSET J.	CARBONELL ASINS J.	CARRAFIELLO G.	CARVALHO-PINTO R.	CASTILLO A.
CALOGERO C.	CAMUZ-LIGIOS L.	CARBONELL-ESTRANY X.	CARRAGETA D.	CARVALHO-PINTO R.	CASTILLO D.
ÇALTEPE G.	CAN D.	CARBONI BISSO I.	CARRANZA MUÑOZ P.	CARWANA M.	CASTILLO D.
CALVACHE MATEO A.	CAN F.	CARBY M.	CARRANZA-MUÑOZ P.	CARY R.	CASTILLO I.
CALVAT A.	CAN OKSAY S.	CARDANI C.	CARRARA M.	CASABURI R.	CASTILLO S.
CALVÉN J.	CANADA B.	CARDENAS L.	CARRARO S.	CASADEVALL C.	CASTILLO CORULLÓN S.
CALVERLEY P.	CANAK I.	CARDEÑOSA PÉREZ A.	CARRASCO P.	CASAGRANDE G.	CASTILLO GARCÍA M.
CALVERLEY P.	CÀNAVES L.	CARDER M.	CARRASCO HERNÁNDEZ L.	CASAGRANDE G.	CASTILLO URIBE V.
CALVERT M.	CANBAKAN S.	CARDER M.	CARRASCO SÁNCHEZ M.	CASANOVA J.	CASTILLO-CORULLÓN S.
CALVILLO BATLLÉS P.	CANBAY F.	CARDOSO C.	CARRASCO SÁNCHEZ M.	CASANOVA MACARIO C.	CASTILLO-VILLEGAS D.
CALVINHO P.	CANBAY F.	CARDOSO C.	CARRASSI A.	CASANOVA-MACARIO C.	CASTLE L.
CALVO N.	CANDAL-PEDREIRA C.	CARDOSO R.	CARREIRA P.	CASANOVAS M.	CASTORENA-MALDONADO A.
CALVO BENITO J.	CANDELARIA CÁCERES A.	CARDOSO TAVARES M.	CARREIRA S.	CASARA A.	CASTRO L.
CALVO BOTA A.	CANDIA C.	CARDOUAT G.	CARREÑO A.	CASARÍN LÓPEZ F.	CASTRO L.
CALVO RADO N.	CANE J.	CARDOZO L.	CARREÑO ALEJANDRE A.	CASARTELLI A.	CASTRO M.
CALVO SÁNCHEZ M.	CANEIRAS C.	CARELLA F.	CARRIÇO F.	CASAS F.	CASTRO M.
CALVO-ALVAREZ U.	CANESSA P.	CARELLI C.	CARRÍE C.	CASAS I.	CASTRO P.
CALYECA J.	CAÑETE C.	CARETTA S.	CARRIERO V.	CASAS M.	CASTRO S.
CALZETTA L.	CANITEZ Y.	CAREY B.	CARRILLO DÍAZ T.	CASAS S.	CASTRO S.
CALZOLARI E.	ÇANKAYA T.	CARIANI L.	CARRILLO HERNÁNDEZ-RUBIO J.	CASAS RECASENS S.	CASTRO S.
CÂMARA AGONDI R.	CANN J.	CARINGELLA A.	CARRINOLA R.	CASAS-MENDEZ L.	CASTRO S.
CAMARENA A.	CANNON J.	CARIOLI G.	CARRIÓN COLLADO N.	CASAS-RECASENS S.	CASTRO S.
CAMARGO B.	CANO I.	CARLA BARBOSA DE BARROS	CARRIZO L.	CASALTA C.	CASTRO S.
CAMARGO C.	CANO PUMAREGA I.	ALBUQUERQUE L.	CARROLL M.	CASCINA A.	CASTRO S.
CAMARGO L.	CANO ROSALES D.			CASCINU S.	CASTRO S.
CAMARGO P.				CASCIO MARIANA M.	CASTRO S.

CASTRO VILLAMOR H.	CEKORJA B.	CHAABOUNI M.	CHAN W.	CHASSANDE O.	CHEMINGUI S.
CASTROGIOVANNI A.	CELANT L.	CHABANE M.	CHAN W.	CHASTIN S.	CHEN A.
CASTRO-SAYAT M.	CELANT L.	CHABATI O.	CHAN W.	CHATTI S.	CHEN A.
CASUTT A.	ÇELEBI Ö.	CHABOT F.	CHAN Y.	CHATTOPADHYAY D.	CHEN C.
CATACUTAN H.	CELEDÓN J.	CHACON CADIZ D.	CHAN Y.	CHATTRAIBAN T.	CHEN C.
CATALANO F.	CELEN R.	CHADEAU HYAM M.	CHAN Z.	CHATZI L.	CHEN C.
CATALANO P.	CELI A.	CHADHA R.	CHANDRA N.	CHATZIFRANGKESKO U M.	CHEN C.
CATALDO D.	CÉLIA CARLOS TIBANA R.	CHADWICK A.	CHANDRA P.	CHATZIMICHALI E.	CHEN C.
CATALISANO A.	ÇELIK A.	CHAE K.	CHANDRA SHEKAR N.	CHATZIPARASIDIS G.	CHEN C.
CATANE D.	CELIK K.	CHAGAS COSTA E.	CHANDRAKUMAR A.	CHATZIPETROU R.	CHEN C.
CATANI C.	CELIK M.	CHAHUAN E.	CHANDRASEKARAN A.	CHAUDHARY A.	CHEN C.
CATANZARITI A.	CELIK Y.	CHAI C.	CHANEZ P.	CHAUDHARY A.	CHEN D.
CATARINO S.	ÇELIK Z.	CHAI G.	CHANG A.	CHAUDHARY N.	CHEN D.
CATHERINE P.	CÉLINE K.	CHAIBI K.	CHANG C.	CHAUDHARY S.	CHEN E.
CATLIN A.	CELIS G.	CHAIBI S.	CHANG C.	CHAUDHARY S.	CHEN F.
CATOZZI C.	CELLERIN L.	CHAI B.	CHANG C.	CHAUDHARY S.	CHEN H.
CATTANEO R.	CELLI B.	CHAI B.	CHANG C.	CHAUDHRY D.	CHEN H.
CATTANEO V.	CENGİZ SEVAL G.	CHAIN B.	CHANG C.	CHAUDHRY T.	CHEN H.
CATTELAN A.	CENK YANAZ M.	CHAIN E.	CHANG C.	CHAUDHRY Y.	CHEN H.
CAUDRI D.	CENSO C.	CHAIT R.	CHANG G.	CHAUDHURI N.	CHEN H.
CAULFIELD B.	CENTANNI S.	CHAKINALA M.	CHANG J.	CHAUDHURI R.	CHEN H.
CAUSHI F.	CENTENO CLEMENTE C.	CHAKIR J.	CHANG M.	CHAUDRY T.	CHEN H.
CAUSSADE S.	CENTENO-CLEMENTE C.	CHAKRABORTI A.	CHANG S.	CHAUDRY Y.	CHEN H.
CAUTERUCCIO R.	CENTENO-CLEMENTE C.	CHAKRABORTY A.	CHANG S.	CHAUHAN A.	CHEN J.
CAVACO M.	CENTIS R.	CHAKRABORTY B.	CHANG S.	CHAUHAN A.	CHEN J.
CAVACO M.	CEPEDA J.	CHALELA R.	CHANG V.	CHAUHAN A.	CHEN J.
CAVADAS C.	CERBU B.	CHALELA RENGIFO R.	CHANG W.	CHAUHAN M.	CHEN J.
CAVAILLES A.	CERDA MONCADES M.	CHALELA RENGIFO R.	CHANG W.	CHAUHAN N.	CHEN J.
CAVALCANTI MACIEL Á.	CEREATTI A.	CHALK C.	CHANG DONG Y.	CHAUHAN N.	CHEN J.
CAVALHERI V.	CERESER L.	CHALMERS J.	CHANG-MACCHIU P.	CHAUMAIS M.	CHEN J.
CAVALIER E.	CERFEUILLET V.	CHALMERS J.	CHANTRANUWATAN A P.	CHAUTEMPS C.	CHEN K.
CAVALLARO BARAÚNA LIMA A.	CERKL P.	CHALMERS J.	CHAOUAT A.	CHAUVEAU S.	CHEN K.
CAVENEY S.	CERÓN PISA N.	CHAMBERS D.	CHAOUCH E.	CHAUVEAU S.	CHEN K.
CAVICCHIA A.	CERPS S.	CHAMBERS D.	CHAOUCH N.	CHAUVEAU S.	CHEN K.
CAVIGLI E.	CERQUA I.	CHAMBERS R.	CHAOUECH N.	CHAUVEAU S.	CHEN K.
CAYUPI F.	CERQUEIRA R.	CHAMMAS M.	CHAOUKI F.	CHAUVEAU S.	CHEN K.
CAZENAVE T.	CERRATO L.	CHAMPIGNEULLE B.	CHAPLYNSKA N.	CHAUVEAU S.	CHEN K.
CAZES A.	CERRATO M.	CHAN A.	CHAPMAN D.	CHAUVEAU S.	CHEN K.
CAZORLA O.	CERRI S.	CHAN A.	CHAPMAN L.	CHAUVEAU S.	CHEN K.
CAZORLA-RIVERO S.	CERTAIN M.	CHAN C.	CHAPMAN N.	CHAUVEAU S.	CHEN K.
CAZZOLA M.	CERTAIN M.	CHAN C.	CHAPMAN R.	CHAUVEAU S.	CHEN K.
CAZZOLETTI L.	CERUTI P.	CHAN C.	CHARALAMBIDIS K.	CHAUVEAU S.	CHEN K.
CEA-CALVO L.	CERVAS R.	CHAN E.	CHARANJIT S.	CHAUVEAU S.	CHEN K.
CEBERIO HUALDE L.	CERVERA E.	CHAN H.	CHARBONNEL L.	CHAUVEAU S.	CHEN K.
CEBEY-LÓPEZ M.	CERVERA V.	CHAN J.	CHARBONNIER F.	CHAUVEAU S.	CHEN K.
CEBOLA I.	CERVERÓ RUBIO A.	CHAN J.	CHARBONNIER J.	CHAUVEAU S.	CHEN K.
CEBRIÁN-CUENCA A.	CESANA G.	CHAN K.	CHARBONNIER J.	CHAUVEAU S.	CHEN K.
CECCATO A.	CESTARI M.	CHAN K.	CHARFEDDINE I.	CHAUVEAU S.	CHEN K.
CECCATO H.	CESTELLI L.	CHAN L.	CHARFI M.	CHAUVEAU S.	CHEN K.
CECI BONELLO E.	CETINKAYA E.	CHAN L.	CHARITOS T.	CHAUVEAU S.	CHEN K.
CÉCILE C.	CETLIN A.	CHAN L.	CHARKAOUI M M.	CHAUVEAU S.	CHEN K.
CECIL M.	CETLIN A.	CHAN M.	CHARLES M.	CHAUVEAU S.	CHEN K.
CEDEÑO DÍAZ O.	CEULEMANS L.	CHAN R.	CHARMAN S.	CHAUVEAU S.	CHEN K.
CEDILAK M.	CEULEMANS L.	CHAN R.	CHARPIDOU A.	CHAUVEAU S.	CHEN K.
CEFALONI F.	ÇEVİK AKYIL R.	CHAN R.	CHARRAS A.	CHAUVEAU S.	CHEN K.
CEGOÑINO J.	CEYHAN M.	CHAN S.	CHARRETIER R.	CHAUVEAU S.	CHEN K.
CEJUDO RAMOS M.	CHAABANE M.	CHAN S.	CHARRIOT J.	CHAUVEAU S.	CHEN K.
CEJUDO RAMOS P.	CHAABANE M.	CHAN S.	CHARTRAND L.	CHAUVEAU S.	CHEN K.
ÇEKİÇ Ş.	CHAABI K.	CHAN S.	CHASAPIDOU G.	CHAUVEAU S.	CHEN K.
		CHAN T.	CHASCO L.	CHAUVEAU S.	CHEN K.
			CHASIOTOU A.	CHAUVEAU S.	CHEN K.

CHEN Y.	CHIANG K.	CHO W.	CHRISTENSEN R.	LOPES S.	CLARK S.
CHEN Y.	CHIARALUCE S.	CHO Y.	CHRISTENSEN V.	CHUVAKOVA E.	CLARK T.
CHEN Y.	CHIARANTANO R.	CHODICK G.	CHRISTENSON S.	CHYNKIAMIS N.	CLARK V.
CHEN Y.	CHIARELLI F.	CHOEDON J.	CHRISTIAN L.	CIANI L.	CLARKE C.
CHEN Y.	CHIBA H.	CHOHAN M.	CHRISTIN-MAITRE S.	CIARROCCHI A.	CLARKE C.
CHEN Y.	CHIBOUT N.	CHOI B.	CHRISTODOULATOS G.	CIARROCCHI L.	CLARKE D.
CHEN Y.	CHICHIZOLA N.	CHOI B.	CHRISTODOULOU M.	CIBELLA F.	CLARKE L.
CHEN Z.	CHIEN B.	CHOI C.	CHRISTOFF G.	CICALINI I.	CLARKE N.
CHENG D.	CHIEN J.	CHOI C.	CHRISTOFF G.	CICCIMARRA R.	CLARKE S.
CHENG E.	CHIEN J.	CHOI C.	CHRISTOPHER D.	CICERI R.	CLARKE S.
CHENG H.	CHIEN M.	CHOI H.	CHRISTOPHER D.	CIET P.	CLARO I.
CHENG H.	CHIEN N.	CHOI H.	CHRISTOPHER D.	CIFALDI R.	CLAUDIA K.
CHENG K.	CHIENG J.	CHOI H.	CHRISTOPHER D.	CIFRIÁN J.	CLAUS M.
CHENG L.	CHIERICOZZI M.	CHOI H.	CHRISTOPHER D.	CIFRIÁN MARTÍNEZ J.	CLAUS R.
CHENG M.	CHILDS L.	CHOI I.	CHRISTOPHOULOS A.	CIFRIAN-MARTINEZ J.	CLAVERO
CHENG M.	CHILD-TURKEY-	CHOI J.	CHRISTOPOULOS I.	CILLONIZ C.	FERNÁNDEZ E.
CHENG M.	COLLABORATION ..	CHOI J.	CHRISTOPOULOS I.	CILLUFFO G.	CLAYTON B.
CHENG R.	CHILES J.	CHOI J.	CHRISTOPOULOU M.	CIMBOLLEK S.	CLAYTON B.
CHENG S.	CHILTON L.	CHOI J.	CHRISTOPOULOU M.	ÇIMEN GÜNEŞ E.	CLAYTON S.
CHENG W.	CHIMERA D.	CHOI K.	CHRISTOU A.	CIMINO M.	CLEARY D.
CHENG Y.	CHIN H.	CHOI M.	CHRISTUDASS C.	CIMMINO C.	CLEMENO F.
CHENG Z.	CHIN K.	CHOI S.	CHRONAIOU A.	CIMROVA M.	CLEMENO R.
CHENG Z.	CHIN K.	CHOI S.	CHRONIS C.	ÇINAR C.	CLÉMENT A.
CHENG Z.	CHIN K.	CHOI W.	CHRSYKOS S.	ÇINAR M.	CLEMENTE S.
CHENG Z.	CHIN S.	CHOI Y.	CHRYSOCHOOU E.	CINARKA H.	CLEQUIN E.
CHENG Z.	CHINELLATO N.	CHOKKALINGAM A.	CHRYSOCHOOU E.	CINEL G.	CLERCKX B.
CHENIVESSE C.	CHINER E.	CHOLIDOU K.	CHU D.	CINICOLA B.	CLERMIDI P.
CHENNOUFI A.	CHINNA 8.	CHONDROU E.	CHU H.	CIOLAC E.	CLEVES D.
CHEN-XU M.	CHINO V.	CHONG D.	CHU S.	CIONE E.	CLIFF I.
CHEONG J.	CHIOMA R.	CHONG D.	CHU Y.	CIPOLLI M.	CLIFTON I.
CHEOUR R.	CHIPPS B.	CHONG I.	CHU RIVERA F.	CIPOLLINA C.	CLIFTON I.
CHERATH P.	CHIPPS B.	CHONG S.	CHUA 1.	CIPRIANO A.	CLIN R.
CHERIF H.	CHIRINE M.	CHOO K.	CHUA 5.	CIPULO RAMOS E.	CLINCHAMPS M.
CHERIF T.	CHIRINOS R.	CHOO X.	CHUA 6.	CIRILLI L.	CLINI E.
CHERIF T.	CHIRUMBERRO A.	CHOPRA A.	CHUA B.	CIRILLO D.	CLOFENT D.
CHERIF T.	CHITTY J.	CHOPRA M.	CHUA F.	CIRIMINNA R.	CLOFENT ALARCÓN D.
CHERKASOVA O.	CHIU C.	CHOPRA M.	CHUANG H.	CIRINO G.	CLOS BATET S.
CHERMITI F.	CHIU C.	CHOROSTOWSKA-	CHUAN-XING L.	CIRJALIU R.	CLOSA D.
CHERNOLEVSKY B.	CHIU K.	WYNIMKO J.	CHUBACHI K.	CIRRI L.	COATS A.
CHERNOVSKY M.	CHIU L.	CHOTIRMALL S.	CHUFFART C.	CISLAK D.	COBA TABOADA T.
CHERO S.	CHIU M.	CHOTIRMALL S.	CHUI WAN CHEONG P.	CISTERNINO C.	ÇOBANOĞLU N.
CHEROUNY B.	CHIU P.	CHOTIRMALL S.	CHUKOWRY P.	CITERA G.	COBELENS F.
CHETTA A.	CHIU Y.	CHOU C.	CHUMAK I.	CIUCA I.	COBO I.
CHETTY M.	CHLOROS D.	CHOU H.	CHUNG C.	CIUNI A.	COBO REINOSO J.
CHEUNG A.	CHO H.	CHOU K.	CHUNG C.	CIVELLI M.	COBOS-URIBE C.
CHEUNG C.	CHO H.	CHOUCHANE A.	CHUNG C.	CIVELLO J.	COCCO P.
CHEUNG C.	CHO I.	CHOUCHANE O.	CHUNG C.	CIVIDINI S.	COCCONCELLI E.
CHEUNG D.	CHO J.	CHOUDHURY A.	CHUNG E.	CIVIT C.	COCHRANE B.
CHEUNG M.	CHO J.	CHOUDHURY G.	CHUNG F.	CLAAS L.	COCKERILL B.
CHEUNG P.	CHO J.	CHOUDRY H.	CHUNG H.	CLAES L.	CODECASA F.
CHEVA A.	CHO J.	CHOUHURY G.	CHUNG H.	CLAESSEN G.	CODECASA L.
CHEVALIER B.	CHO K.	CHOW C.	CHUNG K.	CLAESSON M.	CODECASA L.
CHEVURE J.	CHO M.	CHOW P.	CHUNG K.	CLAEYS E.	CODINA MARCET M.
CHEW H.	CHO M.	CHOWDHURY M.	CHUNG L.	CLAIRE H.	CODULLO V.
CHEW W.	CHO P.	CHOY D.	CHUNG N.	CLANCY L.	COE A.
CHEYROU O.	CHO P.	CHOY D.	CHUNG S.	CLAPP P.	COECK C.
CHHOR L.	CHO P.	CHRIF T.	CHUPP G.	CLARA P.	COELHO A.
CHHOWALA S.	CHO P.	CHRIST F.	CHUQUIMIA	CLARENBACH C.	COELHO D.
CHIA C.	CHO S.	CHRISTENSEN G.	MENDOZA Y.	CLARENBACH C.	COELHO L.
CHIA W.	CHO S.	CHRISTENSEN H.	CHURCH A.	CLARENBACH C.	COELHO L.
CHIANG J.	CHO S.	CHRISTENSEN J.	CHURCH C.	CLARK I.	COENRAAD N.
	CHO S.	CHRISTENSEN N.	CHUVA DE SOUSA	CLARK K.	

COGHAN G.	COLOMER-LABROUCHE S.	COOSEMANS I.	CORTES-TELLES A.	COUPER D.	CRISTINA GUIMARÃES DE ALMEIDA I.
COGHLAN G.	COLS ROIG M.	COPLU L.	CORTEZON L.	COURAUD S.	CROCE G.
COGOLLO A.	COMBRET Y.	COPPA F.	CORTEZÓN GARCÉS L.	COURTNEY I.	CROCE S.
COHEN A.	COMELLAS A.	COPPOLA A.	CORTIJO J.	COURTOIS-COMMUNIER E.	CROCE S.
COHEN B.	COMELLAS A.	COPPOLA M.	ÇÖRTÜK M.	COUSINEAU C.	CROCKER C.
COHEN D.	COMIN C.	ÇÖPUR F.	CORVELEYN A.	COUSINS D.	CROMEY K.
COHEN D.	COMOLI P.	ČORAK L.	CORVOL H.	COUTIER L.	CRONA M.
COHEN J.	COMPAGNONE N.	CORAX C.	CORYDON H.	COUTINHO D.	CROOKS M.
COHEN S.	COMPALATI E.	CORBACHO-ABELAIRA M.	COSBY M.	COUTINHO G.	CROOKS M.
COHEN T.	COMPTON C.	CORBACHO-ABELAIRA M.	COSCONATI S.	COUTINHO COSTA J.	CROS P.
COHEN Y.	COMPTON C.	CORBETTA L.	COSGROVE G.	COUTURAUD F.	CROSA F.
COHEN RUBIN S.	CONCA E.	CORCORAN J.	COSIMATO C.	COWAN D.	CROSBIE P.
COHEN-CYMBERKNOH M.	CONCAS G.	CORCORAN R.	COSIO B.	COWAN J.	CROSBY A.
COHEN-HAGAI K.	CONDE P.	CORCUERA-ELOSEGUI P.	COSIO B.	COWELL G.	CROSS J.
COHRT A.	CONDE S.	CORDEIRO R.	COSIO M.	COX D.	CROSS T.
COIMBRA A.	CONDLIFFE A.	CORDA L.	COSKUN F.	COX E.	CROTTI P.
COKER R.	CONDLIFFE R.	CORDEIRO R.	COŞKUN N.	COX G.	CROTTI S.
ÇOKUĞRAŞ H.	CONEJERO HALL L.	CÓRDOBA IZQUIERDO A.	COSMIC CONSORTIUM C.	COYNE K.	CROWELL R.
COKUGRAS H.	CONEMANS L.	CORI L.	COSO C.	COZZI D.	CROWLE D.
COLAIANNI ALFONSO N.	CONFALONIERI M.	CORIAT A.	COSO SERRANO C.	CRAIG C.	CROWLEY L.
ÇOLAK S.	CONFALONIERI P.	CORINO A.	COSSETA REPOSI P.	CRAMER C.	CROWLEY L.
COLAK Y.	CONFLITTI A.	CORNACCHIA D.	COSSETTA REPOSI P.	CRAPO J.	CROWLEY S.
ÇOLAKOĞLU S.	CONFORTI F.	CORNE F.	COSSETTA REPOSI P.	CRAVEN D.	CRUJEIRAS A.
COLAPELLE J.	CONGEDO A.	CORNEJO R.	COSU L.	CRAVEN T.	CRUST S.
COLAPIETRO G.	CONIO V.	CORNEJO R.	COSTA A.	CRAVETS M.	CRUTSEN M.
COLARES P.	CONKBAYIR C.	CORNELISSEN M.	COSTA A.	CRAVO J.	CRUZ J.
COLAS M.	CONLON T.	CORNELISSEN M.	COSTA C.	CRAWFORD E.	CRUZ M.
COLDWELL B.	CONNELL D.	CORNET A.	COSTA C.	CRAWSHAW A.	CRUZ M.
COLE J.	CONNETT G.	CORNU HEWITT B.	COSTA D.	CRAWSHAW A.	CRUZ T.
COLEBORN E.	CONNON R.	CORRAL-BLANCO M.	COSTA I.	CREAMER A.	CRUZ Z.
COLE-HUNTER T.	CONRAD A.	CORRALES A.	COSTA J.	CREESE M.	CRUZ RUÍZ J.
COLEMAN C.	CONSTANT C.	CORRALES M.	COSTA P.	CREHUÁ GAUDIZA E.	CRUZADO BOIX P.
COLEMAN M.	CONSTANTIN D.	CORRAO G.	COSTA R.	CREMONA G.	CSARÍN LÓPEZ F.
COLEMONT M.	CONSTANTINOU S.	CORREA C.	COSTA S.	CRESPO A.	CSEKO K.
COLES J.	CONSTANTIN-TEODOSIU D.	CORRÊA DE ALMEIDA G.	COSTA SOLÀ R.	CRESPO LESSMANN A.	CSengeri D.
COLES J.	CONTE M.	CORREA GONZALEZ C.	COSTABEL U.	CRESPO SEDANO A.	CSIZMAR V.
COLIC N.	CONTE M.	CORREA GUTIERREZ C.	COSTELLO R.	CRESPO-DIZ C.	CSOMA B.
COLICE G.	CONTI C.	CORREA GUTIERREZ C.	COSTELLO R.	CRESPO-LESSMANN A.	CSONKA L.
COLL R.	CONTI M.	CORREA GUTIERREZ C.	COSTI C.	CRESTA E.	CSORBA Z.
COLLABORATIVE GROUP P.	CONTI S.	CORREA JIMENEZ O.	CÔTÉ A.	CRESTANI B.	CUBERO P.
ÇOLLAK A.	CONTIN C.	CORREIA A.	COTET M.	CREUTZENBERG M.	CUBILLOS ZAPATA C.
COLLATZ L.	CONTINI M.	CORREIA F.	COTET M.	CRICHTON M.	CUBILLOS ZAPATA C.
COLLIER G.	CONTOLI M.	CORREIA N.	COTO E.	CRICHTON M.	CUBILLOS-ZAPATA C.
COLLIER G.	CONTRERAS LEON Z.	CORREIA DE SOUSA J.	COTTEREAU A.	CRICHTON M.	CUCCARO L.
COLLIGIANI L.	CONTU C.	CORREIA PINTO S.	COTTIN V.	CRICHTON M.	CUCCETTO G.
COLLIN J.	CONWAY F.	CORREIA PINTO S.	COUFFIGNAL C.	CRÍEE C.	CUCHI P.
COLLINGRIDGE D.	COOK B.	CORREN J.	COUILLARD S.	CRIEL M.	CUCHO VÁSQUEZ B.
COLLINGS M.	COOK P.	CORRIGAN A.	COULIBALY Y.	CRILLY G.	CUDDIHY M.
COLLINS S.	COOPER A.	CORRÒ B.	COULOMB A.	CRILLY S.	CUESTA A.
COLLISON A.	COOPER B.	CORSER B.	COULOMB L'HERMINÉ A.	CRIMI C.	CUESTA R.
COLMENARES A.	COOPER C.	CORSICO A.	COULOMB L'HERMINÉ A.	CRIMI N.	CUESTA-LLAVONA E.
COLNAGHI M.	COOPER C.	CORSICO A.	COULOMB L'HERMINÉ A.	CRINE G.	CUEVAS J.
COLOMA R.	COOPER C.	CORSO PEREIRA M.	COULOMBE J.	CRINER G.	CUEVAS OCAÑA S.
COLOMBO C.	COOPER J.	CORTE T.	COULOUMB A.	CRINER G.	CUEVAS SALES E.
COLOMBO C.	COOPER K.	CORTE T.	COULSHED D.	CRINION S.	CUFARO M.
COLOMBO C.	COOPER R.	CORTEGIANI A.	COUPE N.	CRISAFULLI E.	CUI J.
COLOMBO L.	COOPER W.	CORTESÃO N.	COUPER D.	CRISTALDI M.	CUI T.
COLOMBO P.	COOPER W.	CORTESE A.	COUPER D.	CRISTIANO A.	CUI Y.
	COOPOOSAMY L.	CORTESI E.		CRISTIANO G.	CUIC D.

<u>CUIJPERS M.</u>	<u>CZIRA A.</u>	<u>DAHER A.</u>	<u>DANILTSCHENKO M.</u>	<u>DAVIES H.</u>	<u>DE CASSIA CASTRO R.</u>
<u>CUKIER A.</u>	<u>CZYŻEWSKI D.</u>	<u>DAHL M.</u>	<u>DANIYAROV A.</u>	<u>DAVIES J.</u>	<u>DE CASTRO J.</u>
<u>CULEBRAS M.</u>	<u>CZYZYK P.</u>	<u>DAHL M.</u>	<u>DANJOU W.</u>	<u>DAVIES J.</u>	<u>DE CASTRO M.</u>
<u>CULEBRAS AMIGO M.</u>	<u>D</u>	<u>DAHL V.</u>	<u>DANKOVA N.</u>	<u>DAVIES M.</u>	<u>DE CASTRO S.</u>
<u>CULEDDU G.</u>	<u>D S.</u>	<u>DAHLÉN B.</u>	<u>D'ANNA C.</u>	<u>DAVIES M.</u>	<u>DE CASTRO PEREIRA C.</u>
<u>CULLINAN P.</u>	<u>D CHALMERS J.</u>	<u>DAHLÉN S.</u>	<u>D'ANNA S.</u>	<u>DAVIES R.</u>	<u>DE CASTRO-MENDES F.</u>
<u>CULLIVAN S.</u>	<u>D EDWARDS G.</u>	<u>DAHM A.</u>	<u>DANNY M.</u>	<u>DAVIES S.</u>	<u>DE CASTRO-MENDES F.</u>
<u>CUMELLA A.</u>	<u>D KRANEVELD A.</u>	<u>DAHMA H.</u>	<u>DANOV O.</u>	<u>DAVIES-CUTTING C.</u>	<u>DE CREM N.</u>
<u>CUMMINGS H.</u>	<u>D</u>	<u>DAI R.</u>	<u>DANTES E.</u>	<u>DAVILA E.</u>	<u>DE CRESPIGNY A.</u>
<u>CUMMINGS S.</u>	<u>KRASNODEMBSKAYA A.</u>	<u>DAI S.</u>	<u>D'ANTONI C.</u>	<u>DÁVILA I.</u>	<u>DE DIEGO A.</u>
<u>CUNDRLE JR I.</u>	<u>D M PLENTZ R.</u>	<u>DAI X.</u>	<u>D'ANTONI L.</u>	<u>DAVILA I.</u>	<u>DE ESTRADA B.</u>
<u>CUNHA M.</u>	<u>D ROBINSON P.</u>	<u>DAI X.</u>	<u>DANVERS L.</u>	<u>DAVIS D.</u>	<u>DE FÁTIMA LOPES CALVO TIBÉRIO I.</u>
<u>CUNHA M.</u>	<u>D SILVA J.</u>	<u>DAIYOU D.</u>	<u>DANZAN N.</u>	<u>DAVIS J.</u>	<u>DE FAYS C.</u>
<u>CUNHA M.</u>	<u>D SLY P.</u>	<u>DAISENBERGER L.</u>	<u>DANZO F.</u>	<u>DAVIS M.</u>	<u>DE FEO T.</u>
<u>CUNHA CRAVEIRO A.</u>	<u>D. BENÍTEZ I.</u>	<u>DAISS J.</u>	<u>DAOUD S.</u>	<u>DAVIS S.</u>	<u>DE FILIPPIS F.</u>
<u>CUNHA GUIMARÃES DE ALMEIDA A.</u>	<u>D. CHALMERS J.</u>	<u>DAKA* B.</u>	<u>DARAPI D.</u>	<u>DAVISON J.</u>	<u>DE FILIPPO M.</u>
<u>CUNHA SILVA J.</u>	<u>D. DODD J.</u>	<u>DAKHIL B.</u>	<u>DARBY M.</u>	<u>DAVOREN E.</u>	<u>DE FONSEKA D.</u>
<u>CUNNINGHAM S.</u>	<u>D. SILVA-VALENTE J.</u>	<u>DAL BOSCO L.</u>	<u>D'ARCANGELO F.</u>	<u>DAW P.</u>	<u>DE FRANCESCO M.</u>
<u>CUNNINGHAM S.</u>	<u>D. STUCKI J.</u>	<u>DAL CORSO S.</u>	<u>DARIE A.</u>	<u>DAWOOD H.</u>	<u>DE FRANCISCO CASADO M.</u>
<u>CUNNION K.</u>	<u>D. VAN DER MEER A.</u>	<u>DALAL P.</u>	<u>DARIE A.</u>	<u>DAY E.</u>	<u>DE GEUS E.</u>
<u>CUNOOSAMY D.</u>	<u>D.J. BOS L.</u>	<u>DALAMAGA M.</u>	<u>DARK P.</u>	<u>DAYMA G.</u>	<u>DE GONZALO-CALVO D.</u>
<u>CUPERUS L.</u>	<u>D'AMATO M.</u>	<u>DALE E.</u>	<u>DARMON M.</u>	<u>DAYNES E.</u>	<u>DE GOUVEIA BELINELO P.</u>
<u>CUPURDIJA V.</u>	<u>D'ARMIENTO J.</u>	<u>DALE E.</u>	<u>DARNE C.</u>	<u>D-C MAN W.</u>	<u>DE GRAAF D.</u>
<u>CURCI P.</u>	<u>D'CRUZ R.</u>	<u>DALENA G.</u>	<u>DARRAGI M.</u>	<u>D'CRUZ L.</u>	<u>DE GRAAF E.</u>
<u>CURDY M.</u>	<u>D'ERRICO L.</u>	<u>D'ALESSANDRO .</u>	<u>DART S.</u>	<u>D'CRUZ R.</u>	<u>DE GROVE K.</u>
<u>CÛRE O.</u>	<u>DA COSTA D.</u>	<u>D'ALESSANDRO M.</u>	<u>DARWICHE K.</u>	<u>DE S.</u>	<u>DE GUIA T.</u>
<u>CURRAN K.</u>	<u>DA CUNHA M.</u>	<u>DALISAY N.</u>	<u>DAS P.</u>	<u>DE A COSTA T.</u>	<u>DE HOOGH K.</u>
<u>CURRAS-TUALA M.</u>	<u>DA CUNHA FONSECA A.</u>	<u>DALKILIC O.</u>	<u>DAS S.</u>	<u>DE ALMEIDA C.</u>	<u>DE JAGER S.</u>
<u>CURRO R.</u>	<u>DA LUZ GOULART C.</u>	<u>DALLA ROSA I.</u>	<u>DAS POSSES BRIDI G.</u>	<u>DE ALMEIDA G.</u>	<u>DE JONG C.</u>
<u>CURROW D.</u>	<u>DA SILVA E.</u>	<u>DALLAS J.</u>	<u>DASARI P.</u>	<u>DE ALMEIDA GOMES M.</u>	<u>DE JONG C.</u>
<u>CURROW D.</u>	<u>DA SILVA L.</u>	<u>DALPHIN M.</u>	<u>DASHTSEREN I.</u>	<u>DE ALMEIDA MONTEIRO R.</u>	<u>DE JONG C.</u>
<u>CURTIN J.</u>	<u>DA SILVA M.</u>	<u>DALSGAARD C.</u>	<u>DASKALAKIS A.</u>	<u>DE AMICIS R.</u>	<u>DE JONG K.</u>
<u>CURTIN J.</u>	<u>DA SILVA V.</u>	<u>DALTON C.</u>	<u>DASKALOPOULOU A.</u>	<u>DE AMORIM CORRÊA R.</u>	<u>DE JONG P.</u>
<u>CURTIS J.</u>	<u>DA SILVA RESENDE P.</u>	<u>DALY K.</u>	<u>DASKALOS T.</u>	<u>DE ANDRÉS DAVID R.</u>	<u>DE JUANA IZQUIERDO C.</u>
<u>CURTIS J.</u>	<u>DA SILVA SENA C.</u>	<u>DALY L.</u>	<u>DASKALOS T.</u>	<u>DE ANGELIS D.</u>	<u>DE KONING H.</u>
<u>CURTIS J.</u>	<u>DAADOUCHA A.</u>	<u>DAM NIELSEN S.</u>	<u>DASSIOS T.</u>	<u>DE ASSIS FERNANDES CALDEIRA D.</u>	<u>DE KONING GANS J.</u>
<u>CURTIS R.</u>	<u>DABBAS A.</u>	<u>DAMADOĞLU E.</u>	<u>DASTOT LE MOAL F.</u>	<u>DE BACKER J.</u>	<u>DE KRUIF M.</u>
<u>CURTO SÁNCHEZ E.</u>	<u>DABEES R.</u>	<u>DAMANT R.</u>	<u>DASTOT-LE MOAL F.</u>	<u>DE BACKER W.</u>	<u>DE LA BLANCA A.</u>
<u>CURULL V.</u>	<u>DABOUSSI S.</u>	<u>DAMANT R.</u>	<u>DATTA A.</u>	<u>DE BAERDEMAEKER L.</u>	<u>DE LA CONCHA DUARTE M.</u>
<u>CUSACK R.</u>	<u>DABOUSSI S.</u>	<u>DAMARCO F.</u>	<u>DAUNT C.</u>	<u>DE BATLLE J.</u>	<u>DE LA CONCHA DUARTE M.</u>
<u>CUSANOVICH D.</u>	<u>DABRAL C.</u>	<u>DAMATO D.</u>	<u>DAUPHIN C.</u>	<u>DE BATLLE GARCIA J.</u>	<u>DE LA CONCHA-DUARTE M.</u>
<u>CUSHEN B.</u>	<u>DABROWIECKA A.</u>	<u>DAMATO F.</u>	<u>D'AURIA E.</u>	<u>DE BECDELIEVRE A.</u>	<u>DE LA HOZ R.</u>
<u>CUSHION M.</u>	<u>D'ABRONZO R.</u>	<u>D'AMATO M.</u>	<u>DAUT U.</u>	<u>DE BLAY F.</u>	<u>DE LA PEÑA M.</u>
<u>CUSMAN R.</u>	<u>DĄBROWIECKA A.</u>	<u>D'AMATO M.</u>	<u>DAUVILLIERS Y.</u>	<u>DE BOER J.</u>	<u>DE LA PEÑA BRAVO M.</u>
<u>CUSTÓDIO A.</u>	<u>DĄBROWIECKI P.</u>	<u>D'AMBROSIO P.</u>	<u>DAVE K.</u>	<u>DE BOER J.</u>	<u>DE LA TORRE M.</u>
<u>CUSTODIO J.</u>	<u>DĄBROWSKA M.</u>	<u>DAMGÅRD SCHMIDT J.</u>	<u>DAVENPORT-JONES L.</u>	<u>DE BOER R.</u>	<u>DE LA TORRE CARAZO S.</u>
<u>CUSTOVIC A.</u>	<u>DACAL QUINTAS R.</u>	<u>DAMHUIS R.</u>	<u>DAVÌ M.</u>	<u>DE BOER W.</u>	<u>DE LAAT P.</u>
<u>CUTAIA G.</u>	<u>DACAL-QUINTAS R.</u>	<u>DAMHUIS R.</u>	<u>DAVIAUD C.</u>	<u>DE BORTOLI PETIQUER CAPUCHO B.</u>	<u>DE LANGHE E.</u>
<u>CUTHBERT K.</u>	<u>DACAL-RIVAS D.</u>	<u>DAMIANI L.</u>	<u>DAVID A.</u>	<u>DE BRANDT J.</u>	<u>DE LAUZON-GUILLAIN B.</u>
<u>CUTRERA R.</u>	<u>DACCÒ V.</u>	<u>DAMIAŃSKI P.</u>	<u>DAVID C.</u>	<u>DE BRITO J.</u>	<u>DE LEON M.</u>
<u>CUVELIER A.</u>	<u>DACHS T.</u>	<u>DAMIANI L.</u>	<u>DAVID M.</u>	<u>DE BRUIT D.</u>	<u>DE LIMA F.</u>
<u>CUYACOT D.</u>	<u>DACOSTA-URBIETA A.</u>	<u>DAMIN M.</u>	<u>DAVIDSEN J.</u>	<u>DE BRUIT M.</u>	<u>DE LIMA CURI HALLAL A.</u>
<u>CUYVERS B.</u>	<u>DADU A.</u>	<u>DANANCHÉ B.</u>	<u>DAVIDSON C.</u>	<u>DE BRUIT S.</u>	
<u>CUZZOCREA S.</u>	<u>DAENEN M.</u>	<u>D'ANCONA G.</u>	<u>DAVIES B.</u>	<u>DE CANDIA M.</u>	
<u>CVEJOSKA-CHOLAKOVSKA V.</u>	<u>DAGAN A.</u>	<u>DANDENAULT V.</u>	<u>DAVIES C.</u>		
<u>CVETKOVIĆ KUČIĆ D.</u>	<u>DAGHFOUS H.</u>	<u>DANDURAND R.</u>	<u>DAVIES D.</u>		
<u>CYSNEIROS A.</u>	<u>DAGHFOUS J.</u>	<u>DANESHVAR C.</u>	<u>DAVIES D.</u>		
<u>CZAUN P.</u>	<u>DAGLI E.</u>	<u>DANIEL A.</u>	<u>DAVIES E.</u>		
<u>CZECHOWSKI P.</u>	<u>D'AGOSTINO B.</u>	<u>DANIELE M.</u>	<u>DAVIES E.</u>		
<u>CZECHTIZKY W.</u>	<u>DAHABREH M.</u>	<u>DANIELS I.</u>	<u>DAVIES G.</u>		
		<u>DANIILIDIS D.</u>	<u>DAVIES G.</u>		
		<u>DANILLA DÁVILA M.</u>			

DE LIPERI A.	DE SIMONE F.	DEITEREN A.	DELVAL C.	DERBYSHIRE J.	DHALIWAL K.
DE LOOR H.	DE SIMONE V.	DEKANY G.	DELVERT R.	DEROM E.	DHAMDHARE D.
DE LORENZO R.	DE SOOMER K.	DEKKER T.	DELYLE S.	DEROUICHE S.	DHAR R.
DE LUCA D.	DE SOUZA A.	DEL COLLE A.	DEMAISON C.	DEROUICHE S.	DHARA T.
DE MADDALENA L.	DE SOUZA J.	DEL DIN S.	DEMANT X.	DER-TOROSSIAN C.	DHARMAGE S.
DE MAGALHAES E.	DE SOUZA R.	DEL FANTE C.	DEMARCHI MUNHOZ C.	DESACHY G.	DHARMAGE S.
DE MAN F.	DE SOUZA CARVALHO E.	DEL FRATE L.	DEMASI A.	DESAI M.	DHASMANA D.
DE MAN F.	DE SOUZA GALVÃO M.	DEL GIACCO S.	DEMCHUK A.	DESAI T.	DHAWAN V.
DE MAN F.	DE SOUZA XAVIER COSTA N.	DEL OLMO R.	DEMERTZIS P.	DESBORDES P.	DHELFT F.
DE MAN F.	DE SOUZA GALVÃO M.	DEL POZO R.	DEMETRIOU H.	DESCALÇO A.	DHEYAULDEEN S.
DE MAN J.	DE SOUZA-GALVÃO M.	DEL POZZO M.	DEMETRIOU L.	DESCAMPS V.	DHIFALLAH H.
DE MARCHI P.	DE SOYZA A.	DEL RÍO B.	DEMETROPOULOU A.	DESCHILDRE A.	DHIFAQUI N.
DE MARCO S.	DE SOYZA A.	DEL RIO CARRERO B.	DEMEYER H.	DESIDERI M.	DHILLON G.
DE MASSIMI A.	DE SOYZA J.	DEL ROIO L.	DEMICHÉLIS S.	DESIMONI A.	DHILLON S.
DE MENNA M.	DE STEENHUIJSEN PETERS W.	DEL VALLE ESCOTORIN S.	DEMIR A.	DESINIOTIS A.	DHOORIA S.
DE MESA ALVAREZ J.	DE TORRES J.	DELACOURT C.	DEMIR E.	DESLEE G.	DHOTE R.
DE MEULDER B.	DE TORRES TAJES J.	DELAERE B.	DEMIRAĞ F.	DESLYS A.	DHUMAL P.
DE MEY J.	DE VEGA SANCHEZ B.	DELAMEILLIEURE A.	DEMIREL A.	DE-SOYZA A.	DHUMAL U.
DE MEYER Y.	DE VLIEGER G.	DELANEY L.	DEMIRKOL B.	DESPLANCHE E.	DI CHIARA M.
DE MICHELE F.	DE VOLDER J.	DELANY L.	DEMOT B.	DESPRES J.	DI CICCIO M.
DE MIGUEL DÍEZ J.	DE VOS A.	DELASSASSEIGNE C.	DEN BLAUWEN N.	DESROCHES L.	DI FILIPPO P.
DE MIGUEL-DIEZ J.	DE VOS J.	DELAVENNE X.	DEN HEIJER C.	DESROZIERS T.	DI GIOIA G.
DE MIR I.	DE VOS M.	DELBREL X.	DENDRINO G.	DESSAU R.	DI GIORGI F.
DE MIRANDA S.	DE VOS N.	DELBRESSINE J.	DENEUVILLE E.	DESTORS M.	DI JORGI M.
DE MIR-MESSA I.	DE VOS R.	DELCAMBRE F.	DENG B.	DETANTE O.	DI MARCO F.
DE MONESTROL I.	DE VREEDE I.	DELCROIX M.	DENG M.	DETERDING R.	DI MARCO F.
DE MOREUIL C.	DE VRIES M.	DEL CROIX ON BEHALF OF PHAROS INVESTIGATORS M.	DENG Q.	DETHO Z.	DI MARCO M.
DE MUYNCK B.	DE VRIES N.	DELESTRAIN C.	DENG Q.	DETORAKI A.	DI MARCO BERARDINO A.
DE OLAIZ NAVARRO B.	DE VRIES-BOUWSTRA J.	DELEZAY O.	DENG S.	DE-TORRES J.	DI MARIA C.
DE OLIVEIRA G.	DE WEVER W.	DELGADO L.	DENG S.	DE-TORRES J.	DI MARO S.
DE OLIVEIRA CAVAGNA R.	DE WIT-VAN WIJCK Y.	DELGADO L.	DENG X.	DETRY B.	DI MATTIA G.
DE OLIVEIRA CONTERNO L.	DEAN J.	DELGADO M.	DENG Z.	DEU M.	DI MICHEL J.
DE OLIVEIRA PENA J.	DEAN N.	DELGADO - ECKERT E.	DENG Z.	DEUGI V.	DI MUSSI R.
DE OLIVEIRA VILLALBA W.	DEBBAN C.	DELGADO ECKERT E.	DENG Z.	DEUSS K.	DI NARDO G.
DE PAIVA E.	DEBBICHE S.	DELGADO ORTIZ L.	DENINA M.	DEUTSCH G.	DI PALMA L.
DE PAIVA AZEVEDO M.	DEBEAUMONT D.	DELGADO PECELLIN I.	DENIS A.	DEVANEY R.	DI PAOLA R.
DE PALMA M.	DEBICHE S.	DELGADO ROMERO J.	DENIS J.	DEVANI N.	DI PIERRO I.
DE PAULA FERREIRA M.	DEBNATH S.	DELGADO VERA-PINTO L.	DENIZ M.	DEVARAJ A.	DI PILLO S.
DE PAULA SANTOS U.	DEBOECK G.	DELGADO-GARCÍA D.	DENIZ Y.	DEVARAJ U.	DI SANO C.
DE PAULA VIEIRA R.	DEBOER E.	DELHAES L.	DENIZOGLU KÜLLI H.	DEVELI E.	DI STEFANO A.
DE PRADO M.	DEBRAY M.	D'ELIA G.	DENNENY E.	DEVENNY A.	DI TANNA G.
DE PRETIS S.	DECARIS M.	DELIU N.	DENNEY L.	DEVI S.	DI VINCENZO S.
DE QUEIROZ V.	DECATO T.	DELL L.	DENNING J.	DEVILLIER P.	DIAB N.
DE QUEIROZ ANDRADE E.	DECAUX S.	DELL S.	DENNING J.	DEVILLIERS M.	DIAB-EL SCHAHAWI M.
DE RIDDER M.	DECKER P.	DELL S.	DENNIS C.	DEVLIN L.	DIACONU M.
DE ROOIJ M.	DECKER CHRISTENSEN T.	DELLA GATTA B.	DENNIS S.	DEVOUASSOUX G.	DIAFERIA F.
DE ROOIJ M.	DECOBERT F.	DELLA PASQUA O.	DENNIS S.	DEVULDER J.	DIAMANT Z.
DE ROSA C.	DECOTTIGNIES A.	DELLA ZOPPA M.	DENNISON P.	DEWACHTER C.	DIAMANTEA F.
DE RUYSSCHER D.	DECRUE F.	DELLACÀ R.	DENNISTON P.	DEWACHTER L.	DIANA M.
DE S. RAMALHO VIANA E.	DEDIU M.	DELLACÀ R.	DENSENBAL D.	DEWAR A.	DIAO W.
DE SADELEER L.	DEFRANCE C.	DELL'ANIELLO S.	DENSON J.	DEWITTE A.	DIAPER J.
DE SADELEER L.	DEGARIS J.	DELLBRÜGGER E.	DENTE F.	DEXTER K.	DIAR BAKERLY N.
DE SADELEER L.	DEGHDEGH K.	DELLEGROTTAGLIE S.	DENTE F.	DEY D.	DIARRA S.
DE SANTI C.	DEGOBBI TENORIO QUIRINO DOS SANTOS LOPES F.	DELLGREN G.	DENTON C.	DEY S.	DIARRA S.
DE SANTIS B.	DEGREEF J.	DELMAS P.	DENUITTE Y.	DEZFOULI M.	DIAS C.
DE SANTIS M.	DEHLINK E.	DELOMEZ J.	DEPALO A.	DEZFULI N.	DIAS F.
		DELUCA A.	DEPUYDT P.	DHADGE N.	DIAS H.
		DELULIIS J.	DERAVE W.	D'HAENENS A.	DIAS J.
			DERBEL K.	DHAHRI B.	DIAS L.
				DHAKAD D.	DIAS M.
				DHALIWAL I.	DIAS DA COSTA E.

DIAS FERRAZ M.	DIMA E.	DOBREVA T.	DOMINGUEZ-JUNCAL L.	DOUMA R.	DUARTE J.
DIAS PIRES E.	DIMAKOU K.	DOBROTA R.	DOMÍNGUEZ-MOYA D.	DOURADO I.	DUARTE K.
DIAZ A.	DIMANGO E.	DOBSON R.	DOMINIQUE S.	DOUROS K.	DUARTE BARATA M.
DIAZ E.	DIMIC D.	DOCHERTY A.	DOMINIQUE S.	DOUSCHAN P.	DUARTE HERRERA I.
DIAZ L.	DIMIC N.	DOCHERTY C.	DOMNIGO CARDENAL B.	DOUVRY B.	DUBBELDAM A.
DÍAZ CAMPOS R.	DIMIENE I.	DOCKRY R.	DOMNIK N.	DOVE R.	DUBINI A.
DÍAZ FERNÁNDEZ S.	DIMITRIADIS I.	DOCTOR T.	DOMVRI K.	DOWEY R.	DUBOIS A.
DÍAZ GARCÍA E.	DIMITROULIS I.	DODD J.	DOÑA E.	DOWIE J.	DUBOIS E.
DIAZ GARCÍA J.	DIMITROVA V.	DODD J.	DOÑA DÍAZ E.	DOWLE H.	DUBORG MIKKELSEN M.
DÍAZ GONZÁLEZ J.	DIMOND C.	DODD J.	DONALDSON G.	DOWLING F.	DUBREUIL M.
DIAZ GUERRERO F.	DIMOPOULOS K.	DODD J.	DONALDSON G.	DOWLING J.	DUBROCK H.
DIAZ MENINDEZ M.	DIMOPOULOS T.	DODD J.	DONALDSON G.	DOWNEY A.	DUBUIS E.
DÍAZ NUEVO G.	DIMOV D.	DODI G.	DONATELLA I.	DOWNEY D.	DUBUS J.
DÍAZ OLIVAREZ I.	DINAMKU K.	DOE G.	DONATI Y.	DOYLE C.	DUCA F.
DÍAZ RODRÍGUEZ D.	DING F.	DOĞAN D.	DONDI C.	DOYLE L.	DUCEY J.
DIAZ-CASTANON J.	DING J.	DOĞAN ŞAHİN H.	DONEGAN S.	DOZIER M.	DUCHARME F.
DIAZ-CHURION F.	DING M.	DOGAS Z.	DONG C.	DRABENT P.	DUCHEMANN B.
DÍAZ-FERNÁNDEZ S.	DING Y.	DOGGEN C.	DONG H.	DRAGANOV S.	DUCKERS J.
DÍAZ-GARCÍA E.	DINGEMANS A.	DOGGEN C.	DONG K.	DRAGHI L.	DUCKWORTH A.
DIAZ-LAGARES A.	DINO P.	DOGLIONI C.	DONG T.	DRAGIŠIĆ D.	DUCOU LE POINTE H.
DIAZ-PALACIOS M.	DIOGO J.	DOGNON N.	DONGILLI R.	DRAGO Â.	DUDEK M.
DIBBEN G.	DIOH W.	DOĞRU D.	DONISHI T.	DRAGONIERI S.	DUEK O.
DICIOLLA N.	DIOMATARI C.	DOĞRU ERSÖZ D.	DONNELLY L.	DRAGUNAS G.	DUERDEN M.
DICK C.	DION G.	DOĞRUL A.	DONNELLY L.	DRAKE S.	DUERR J.
DICKENS A.	DIONIR BACK G.	DOHERTY M.	D'ONOFRIO M.	DRAMBURG S.	DUFF A.
DICKENS J.	DIPAK M.	DOHERTY R.	DONOVAN C.	DRANSFIELD M.	DUFF R.
DICKER A.	DIPLA K.	DOHI M.	DONOVAN K.	DRANSFIELD M.	DUFRUSINE B.
DICKER A.	DIROU S.	DOHMEN W.	DONTH LEGER G.	DRAPER A.	DUGDALE I.
DICKER A.	DISANTOSTEFANO R.	DOHOUPKE E.	DOOLEY J.	DRATVA L.	DUGGAN J.
DICKINSON J.	DISANZA A.	DOI K.	DOPPEN M.	DRAZDAUSKAITE G.	DUGOLIN CECCATO H.
DICKSON A.	DISDIER VICENTE C.	DOIG C.	DORAN J.	DREHER M.	DUH M.
DICKSON J.	DISTLER O.	DOKOZA M.	DORAN L.	DRENGENES C.	DUIGNAN J.
DICKSON R.	DITETOVA K.	DOLAN L.	DORFMÜLLER P.	DRESCHER M.	DUIJKERS R.
DICKSON S.	DITTRICH S.	DOLEZAL T.	DORIA B.	DREYSE J.	DUIJTS L.
DICPINIGAITIS P.	DIVANGAHI M.	DOLGUSHEVA Y.	DORMOY V.	DRIEHUYS B.	DUIJVELAAR E.
DIDI T.	DIVECHA N.	DOLHNIKOFF M.	DORN A.	DRIESCH D.	DUITMAN J.
DIDIER A.	DIVER S.	DOLLIVER W.	DORNA M.	DRIESEN Y.	DUIVERMAN M.
DIDIER M.	DIVO M.	DOMAGAŁA-KULAWIK J.	DORSCHIED D.	DRIESSEN-ROELFSZEMA M.	DUIVERMAN M.
DIEFENBACH C.	DIXEY P.	DOMELLÖF M.	DORSCHIED D.	DRIGO M.	DUKERS-MUIJRSERS N.
DIEGO ROZA C.	DIXIT B.	DOMENECH A.	DOS REIS ESTRELLA D.	DRINNAN M.	DUMAS O.
DIENEMANN T.	DIXIT R.	DOMENECH DEL RÍO A.	DOS SANTOS D.	DRISCOLL S.	DUMISTRACEL M.
DIEP P.	DIXIT S.	DOMENICI E.	DOS SANTOS D.	DRISKEL M.	DUMITRACHE-RUJINSKI S.
DIERCKX W.	DIXON C.	DOMENICI E.	DOS SANTOS ROCETO RATTI L.	DRÖMANN D.	DUMITRIU A.
DIERDORP B.	DIXON G.	DOMINGO B.	DOS SANTOS ZAMARIOLI L.	DRORI I.	DUMOULIN E.
DIERICK B.	DIZIER* M.	DOMINGO C.	DOSANJH D.	DRUCBERT M.	DUMOULIN O.
DIESLER R.	DIZITZER Y.	DOMINGO J.	DOSKALIUK B.	DRUMMOND B.	DUNAND P.
DIETEL D.	DJEKIC MALBASA J.	DOMINGO RIBAS C.	DOSMAN J.	DRUMMOND D.	DUNBAR J.
DIETRICH O.	DJENAYAH C.	DOMINGO-CARNICE A.	DOTAN M.	DRUMMOND M.	DUNBAR M.
DIEUDE P.	DJERAMAN M.	DOMINGO-RIBAS C.	DÖTSCH J.	DRUMMOND M.	DUNBAR R.
DIEZ A.	DJERBOUA T.	DOMINGOS A.	DOUAY B.	DRYHURST-PEARCE L.	DUNFORD M.
DÍEZ IZQUIERDO A.	DJOUADI C.	DOMINGOS B.	DOUBKOVA M.	D'SOUZA A.	DUNGU A.
DÍEZ-FERRER M.	DJOUHER T.	DOMINGOS M.	DOUCETTE J.	DU J.	DUNGU A.
DIGALAKI A.	DJUKANOVIC R.	DOMINGOS N.	DOUGLAS H.	DU J.	DUNGWA J.
DIJK, VAN L.	DMITROVIC R.	DOMINGUES R.	DOUGLAS L.	DU L.	DUNLEAVY A.
DIJKSMAN L.	DMOCHOWSKI R.	DOMINGUES HEUBEL A.	DOUGLASS J.	DU S.	DUNMORE B.
DIJKSTRA P.	DO Y.	DOMINGUEZ J.	DOUIK EL GHARBI L.	DU X.	DUNMORE B.
DIKMENTEPE YILMAZ E.	DO AMARAL V.	DOMINGUEZ GÓMEZ M.	DOUIK ELGHARBI L.	DU BERRY C.	DUNN L.
DILEKTAŞLI A.	DO CARMO M.	DOMÍNGUEZ MOYA D.	DOULGERAKIS L.	DUAN Q.	DUNNING H.
DILLENHÖFER S.	DO MARCO M.			DUARTE D.	DUNNING J.
DILLER G.	DO NASCIMENTO PINTO A.				
DIMA A.	DOBBELS F.				

DUNSIRE L.	DYMOND A.	EDVARSDEN A.	EL EUCH A.	ELLERMAN L.	ENNACERI H.
DUONG H.	DYSON J.	EDVARSDEN A.	EL FAKIR S.	ELLERTON C.	ENNACIRI H.
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DUONG-VERLE T.	DŽUBUR F.	EDWARDS C.	EL HAMRANI D.	ELLEUCH A.	ENOMOTO T.
DUPIN C.	E	EDWARDS C.	EL HANAFY S.	ELLINGSEN J.	ENRIQUEZ R.
DUPIN I.	E BASTOS H.	EDWARDS G.	EL HARCH I.	ELLIOTT S.	ENRIQUEZ R.
DUPOND-ATHENOR A.	E MURPHY V.	EDWARDS M.	EL HOSHY M.	ELLIS H.	ENRIQUEZ RODRÍGUEZ A.
DUPONT L.	E POMPEU J.	EDWARDS M.	EL HUSSEINI K.	ELLIS P.	ENRIQUEZ-RODRIGUEZ C.
DUPUIS J.	E. GROTH E.	EDWARDS T.	EL JAMMAL C.	ELLIS S.	EOM J.
DUPUIS M.	E. HOLLAND A.	EE W.	EL JURDI H.	ELMAHY A.	EOM J.
DUPUY J.	E. MCDONOUGH J.	EFFING T.	EL KABBOUT R.	ELMANKABADI B.	EPAUD R.
DUPUY-GRASSET M.	E. VAN RAEMDONCK D.	EFFNER R.	EL KHATTABI W.	EL-MERHIE N.	EPIFANI R.
DURÁN D.	E. WECHSLER M.	EFRATI O.	EL MAALEL O.	ELMIGER A.	EPSTEIN D.
DURAN L.	EADES S.	EFASTHIOU C.	EL MENCHAWYI I.	ELNAGHEEB M.	EPSTEIN SHOCHET G.
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DURAN X.	EAGAN T.	EGASHIRA R.	EL SAGHIRE H.	ELOSUA PRATS L.	ERALP E.
DURÁN CANTOLLA J.	EAMES C.	EGENLAUF B.	EL WHADHANE I.	ELOWSSON L.	ERALP E.
DURAN-CANTOLLA J.	EAPEN M.	EGENOD T.	EL YAAGOUBI S.	EL-RHAZI K.	ERANDE A.
DURAND C.	EARLY F.	EGER A.	EL YOUBI M.	EL-SANKARY K.	ERBAS B.
DURAND M.	EASON M.	EGERUP P.	EL-ABDEEN MOHAMED A.	ELSEY L.	ERCAN F.
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DURANTI C.	EASTWOOD M.	EGGERS M.	ELALAMI R.	ELTAHIR S.	ERDEM ERALP E.
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DUSSAH N.	ECHEVARRÍA E.	EICHSTAEDT C.	ELEFTHERIADOU E.	EMMANUEL B.	ERIKSSON-STRÖM J.
DUSSELIÉ R.	ECHEVARRIA GUERRERO E.	EICKELBERG O.	ELEFTHERIOU K.	EMMANUEL N.	ERJEFÄLT J.
DUSSELIÉ R.	ECHEVERRIA GUERRERO E.	EICKHOLZ P.	EL-EMIR E.	EMMOTT E.	ERJEFÄLT J.
DUSSIAU C.	ECHI K.	EIDELMAN D.	ELENA M.	EMNA B.	ERJEFÄLT J.
DUTAU H.	ECKELMAN B.	EIFER MØLLER J.	ELEUCH E.	EMNA B.	ERMAKOVA A.
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DUTT N.	ECKFORD P.	EIKHOLT A.	ELFIDHA S.	ENÇ N.	ERNST M.
DUTTA P.	ECKLEY B.	EILEEN W.	ELFVIN A.	ENCANTADO J.	ERNST P.
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DUVAL DA SILVA V.	EDDY R.	EINARSSON J.	ELHAI M.	ENDOZO R.	ERSHADI V.
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DUVILLARD C.	EDENS M.	EIRA I.	EL-HUSSEINI Z.	ENG C.	ERSSON K.
DUYMAZ M.	EDEY A.	EISENMANN S.	ELIA D.	ENG J.	ERTAN HARPUTLU Ö.
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DVORACKOVA E.	EDGELL S.	EISSA M.	ELIAS A.	ENGELBRECHT J.	ERYILMAZ POLAT S.
DVORAK T.	EDGERTON D.	EKANAYAKE E.	ELÍAS HERNÁNDEZ T.	ENGELSKIRCHEN S.	ESANU V.
DVORKIN-GHEVA A.	EDIGER D.	EKBOM E.	ELIASÉN A.	ENGERT J.	ESCALANTE J.
DWARAKANATH A.	EDIPOGLU O.	EKERLJUNG L.	ELIASÉN B.	ENGHELMAYER J.	ESCAPENTER M.
DWIVEDI K.	EDME J.	EKLOF J.	ELIAS-HERNANDEZ T.	ENGHELMAYER J.	ESCOBAR VALERO M.
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DY J.	EDUARDO NOLETO DA NOBREGA R.	EKSTEDT S.	ELISA D.	ENGSEVI M.	ESCRIBANO P.
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DYMEK B.		EKSTRÖM S.	ELLAYAH M.	ENNACERI H.	ESCRIBANO-SUBIAS
		EKWARU P.	ELLEBRECHT D.		

P.	EVERAERTS S.	FALIVENE J.	FARRE MADUELL A.	FELTEN M.	FERNANDEZ
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ESMAIL H.	EXARCHOS K.	FALQUE L.	FARRERA C.	FENG J.	FERNÁNDEZ
ESPAÑA YANDIOLA P.	EXOJO-RAMÍREZ S.	FALSTER C.	FARRERO MUÑOZ E.	FENG M.	DELGADO M.
ESPEHAUG B.	EXPÓSITO F.	FALTA M.	FARROW C.	FENG P.	FERNÁNDEZ ELVIRO
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ESPILDORA	A.	FALZONE E.	FARSHCHI TABRIZI A.	FENNICHE S.	FERNÁNDEZ
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ESPINASSE B.	EYRAUD E.	FAN G.	FARUQI S.	FENNICHE S.	FERNÁNDEZ E.
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ESPOSITO J.	EYUBOGLU F.	FAN T.	FARVER-	FENU G.	C.
ESPOSITO R.	EZERSKYTE M.	FAN Y.	VESTERGAARD I.	FENWICK P.	FERNANDEZ GAY S.
ESPOSITO S.	EZGETA KARAČIĆ D.	FAN Y.	FASILIS T.	FERDOUTSIS E.	FERNÁNDEZ JIMÉNEZ
ESPOSITO-FARÈSE M.	EZZINE M.	FAN Y.	FASOLA S.	FERENCIK S.	R.
ESQUINAS C.	F	FANARIDIS M.	FASSAD M.	FEREYDOONZAD L.	FERNÁNDEZ SUÁREZ
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ESSABAH B.	F XAVIER R.	FANEN P.	FATIMA ZAHRA S.	FERGUSON C.	FERNANDEZ VILLAR
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ESSAID Y.	F.L. HEIJNEN N.	FANETTI M.	FATTORI C.	FERGUSON M.	C.
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E.	FABBRI L.	FANG Y.	FAUSTINI S.	FERNANDES A.	FERNANDEZ-BUSSY S.
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ESTEVEZ F.	FABRO A.	FANTINI M.	FAVROLT N.	FERNANDES N.	FERNÁNDEZ-
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M.	FABRY-VENDRAND	FARAG ABOUELNOUR	FAZAL S.	FERNANDES V.	M.
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R.	FACCHINETTI F.	FARAGO G.	FEARY J.	SNILVA JUNIOR E.	FERNANDO A.
ESTRIBIO S.	FACCILO F.	FARAH C.	FECHT D.	FERNANDES DOS	FERNANDO FERREIRA
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EULENBURG C.	FAGETTI L.	FARHAN A.	FEKI M.	FERNANDEZ E.	A.
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EVANS A.	FAHNDRICH S.	FARIA D.	FELCAR J.	FERNÁNDEZ L.	FERRARESE M.
EVANS A.	FAIETTI M.	FARIA DE OLIVEIRA	FELDER F.	FERNÁNDEZ M.	FERRARO M.
EVANS C.	FAIN S.	M.	FELDMAN R.	FERNÁNDEZ M.	FERRARO V.
EVANS D.	FAINARDI V.	FARKAS Á.	FELGUEROSO C.	FERNÁNDEZ M.	FERRAROTTI I.
EVANS D.	FAIZ A.	FARKAS E.	FELIPE A.	FERNÁNDEZ M.	FERRAZ B.
EVANS H.	FAJAC I.	FARMER N.	FELIPE MONTIEL A.	FERNÁNDEZ P.	FERRAZ DA SILVA L.
EVANS J.	FAKHARIAN A.	FARNE H.	FELIX J.	FERNANDEZ R.	FERRAZ-AMARO I.
EVANS R.	FAKHFAKH H.	FARNSWORTH J.	FELIX NOGUEIRA S.	FERNANDEZ R.	FERREIRA A.
EVANS R.	FAL A.	FAROLFI A.	FÉLIX SEGURO C.	FERNÁNDEZ R.	FERREIRA D.
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EVANS R.	FALCO A.	FAROUK H.	FELL C.	FERNÁNDEZ ÁLVAREZ R.	FERREIRA D.
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EVANS S.	FALFÁN-VALENCIA R.	FARRÉ R.	FELLRATH J.	FERNANDEZ BARAT	FERREIRA E.
EVANS T.	FALITI K.			L.	FERREIRA F.
EVE J.				FERNÁNDEZ BARAT*	FERREIRA J.
				L.	FERREIRA J.
				FERNÁNDEZ CEBALLOS I.	FERREIRA L.

FERREIRA L.	FIHN-WIKANDER T.	FLEMING L.	FONTENOT A.	FRAIOLI F.	FREI A.
FERREIRA P.	FIJOLEK J.	FLEMING L.	FONTIJN S.	FRANCAVILLA A.	FREIESLEBEN N.
FERREIRA P.	FILA L.	FLEMMER A.	FOO C.	FRANCELIN H.	FREIRE DA SILVA B.
FERREIRA DA SILVA F.	FILATIERI A.	FLEMMER A.	FOONG R.	FRANCESCA S.	FREITAG N.
FERREIRA DE OLIVEIRA JÚNIOR E.	FILDAN A.	FLETCHER A.	FOR THE NOVELTY SCIENTIFIC COMMUNITY AND THE NOVELTY STUDY INVESTIGATORS ..	FRANCESQUI J.	FREITAS C.
FERREIRA MENDES A.	FILIOU A.	FLETCHER C.		FRANCHI M.	FREITAS C.
FERRER A.	FILIPOVIC D.	FLETCHER J.		FRANCÍN-GALLEGO M.	FREITAS J.
FERRER D.	FILIPOW N.	FLETCHER S.	FORD V.	FRANCIONI A.	FREITAS P.
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FERRER BOSCH N.	FILOSA A.	FLEXEDER C.	FORGERON A.	FRANCIS A.	FRENT S.
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FERRER PARGADA D.	FINAN K.	FLOERCHINGER B.	FORLANI M.	FRANCK E.	FRERICHS I.
FERRER QUINTANA C.	FINCH S.	FLOKSTRA-DE BLOK B.	FORMISANO R.	FRANCO E.	FRERICHS M.
FERRER ROCA R.	FINGLETON J.	FLOKSTRA-DE BLOK B.	FORNE C.	FRANCO G.	FRERK T.
FERRER SANCHO J.	FINN E.	FLORA S.	FORNS N.	FRANCO P.	FRESNEL E.
FERRER-MALLOL E.	FINNEY L.	FLORAS J.	FORRER A.	FRANCO V.	FRETHEIM H.
FERRERO G.	FINOHENOVA M.	FLORAS J.	FORREST I.	FRANCO PARREIRA V.	FREUND O.
FERRETTI G.	FINSTAD P.	FLORAS J.	FORREST I.	FRANCO SUAREZ P.	FREUND-MICHEL V.
FERRI S.	FIOCCHI A.	FLORE R.	FORSLÖW A.	FRANÇOIS B.	FREY U.
FERRIGNO P.	FIOCCHI A.	FLORES T.	FORSS C.	FRANÇOISE G.	FREYMOND N.
FERRILLO L.	FIOGBE A.	FLORES VARGAS A.	FORSTER J.	FRANK B.	FREYNET O.
FERRINI E.	FIORANTINO G.	FLORES-CISNEROS L.	FÖRSTER K.	FRANK M.	FRIBERG M.
FERRIS K.	FIORINI S.	FLÓREZ P.	FORSTER M.	FRANKE A.	FRICKE-GALINDO I.
FERRO P.	FIRA MLADINESCU O.	FLOREZ SOLARANA P.	FORSTING M.	FRANKE K.	FRIDLENDER Z.
FERRO LEAL L.	FIRAT M.	FLOTT T.	FORT A.	FRANKENBERGER M.	FRIEDLAND J.
FERRONE M.	FIRINCIUGLULARI A.	FLOWER V.	FORTEA ORMAECHEA J.	FRANKLIN K.	FRIEDLAND J.
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FETTAL N.	FISCHER R.	FODOR H. G.	FORTON J.	FRANSSEN F.	FRIHA M.
FEU COLLADO N.	FISCHER CHRISTIANSEN C.	FOERSTER K.	FORTON K.	FRANTZ R.	FRIJA-MASSON J.
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FEUN L.	FISHER D.	FOGARTY P.	FORTUNA GUTIERREZ A.	FRANZEN D.	FRIMA E.
FEVANGA B.	FISHER J.	FOGGETTI G.	FORTUNA GUTIÉRREZ A.	FRANZEN K.	FRINO GARCIA A.
FEZEU L.	FISHWICK D.	FOISSET F.	FOSBØL E.	FRANZÉN S.	FRISCHER T.
FIANE A.	FISHER D.	FOLARIN A.	FOSCHINO BARBARO M.	FRASCA F.	FRISK B.
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FICKER J.	FITCH N.	FOLKERSEN P.		FRASSANITO A.	FRIX A.
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FIDELI A.	FITZGERALD A.	FOLLIET L.		FRASSON G.	FRÖDERBERG ROTH L.
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FIEBIG D.	FITZGERALD T.	FOMINYKH A.		FRAUCHIGER B.	FROHN L.
FIECHTER R.	FITZMAURICE T.	FONG A.		FRAUGHEN D.	FROIDURE A.
FIEDLER A.	FITZSIMMONS K.	FONG C.		FRAUGHEN D.	FRØKJÆR J.
FIEDLER M.	FITZSIMMONS F.	FONG I.		FRAUNE C.	FRÖLICH A.
FIELBAUM O.	FJÆLLEGAARD K.	FONG K.		FRAUSING HANSEN E.	FRÖLUND J.
FIETZE I.		FONSECA A.		FRAVOLINI G.	FROMENT L.
FIEUX M.	FLAHERTY K.	FONSECA E.		FRAZER D.	FROMMELT C.
FIGGE M.	FLAHERTY K.	FONSECA J.		FREATO N.	FROSSARD N.
FIGORILLI M.	FLAMENT T.	FONSECA L.		FREDRIKSEN P.	FRØSSING L.
FIGUEIREDO C.	FLAVIER J.	FONSECA N.		FREDSGAARD-JONES T.	FROST F.
FIGUEIREDO C.	FLEISCHAUER T.	FONTANA G.		FREEDMAN N.	FROST S.
FIGUEIREDO D.	FLEISCHAUER T.	FONTANA M.		FREEDMAN N.	FROST ANDREASSEN H.
FIGUEROA J.	FLEMING A.	FONTANELLA S.		FREEMAN A.	FRY S.
FIGUEROA-HURTADO E.	FLEMING E.	FONTÃO ALVES S.		FREEMAN M.	FRYATT G.
				FREGONEZI G.	

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FRYE B.	FUNG S.	GAILLET M.	GAMBINO F.	GARCÍA DE PEDRO J.	GARCÍA-RÍO F.
FRYER A.	FUNK G.	GAINE S.	GAMBLE E.	GARCÍA DEL TORO M.	GARCÍA-RIVERO J.
FSADNI P.	FURIAN M.	GAISL T.	GAMIL A.	GARCÍA DELGADO E.	GARCÍA-SALMONES MARTÍN M.
FU C.	FURLAN I.	GAIT L.	GÁMIZ MOLINA A.	GARCÍA ECHEBERRIA L.	GARCÍA-TOVAR S.
FU H.	FURLANETTO K.	GAITANAKIS S.	GÁMIZ-MOLINA A.	GARCÍA ESTEBAN A.	GARCÍA-UNZUETA M.
FU J.	FURQUIM T.	GAJARDO-CARRASCO T.	GAN E.	GARCÍA FADUL C.	GARDARSSON F.
FU J.	FURTADO S.	GAJDÓCSI R.	GAN T.	GARCÍA FERNÁNDEZ S.	GARDELLI C.
FU P.	FURTADO SILVA J.	GAJIC O.	GANAPATHY A.	GARCÍA FLORIDO N.	GARDINER L.
FU Q.	FURUKAWA T.	GAKI E.	GANBOLD A.	GARCÍA GARCÍA V.	GARDINER N.
FU W.	FURUSE H.	GALAN P.	GANDHI A.	GARCÍA GIL S.	GAREIOU Z.
FU X.	FURUYA N.	GALANAKIS E.	GANDHI H.	GARCIA GIRALDO L.	GAREN T.
FU X.	FUSCHILLO S.	GALBAN C.	GANESH V.	GARCIA GONZALEZ J.	GARFOOT T.
FUCARINO A.	FUSCO A.	GALBAN C.	GANESHAN B.	GARCÍA GONZÁLEZ M.	GARG M.
FUCCIA G.	FUSCO R.	GALDEANO LOZANO M.	GANGA R.	GARCÍA GONZALO A.	GARG P.
FUCHS C.	FUSET CABANES M.	GALDÍZ ITURRI J.	GANGI S.	GARCIA GUTIÉRREZ M.	GARG R.
FUCHS J.	FUSETTI L.	GALDO A.	GANGI S.	GARCÍA HERNÁNDEZ J.	GARGOURI I.
FUCILLE S.	FUSO L.	GALE C.	GANNINGER A.	GARCÍA LÓPEZ J.	GARGOURI I.
FUDIO S.	FUTOSHI MIZUTANI R.	GALERA R.	GANSLANDT C.	GARCÍA LOVERA P.	GARGOURI N.
FUENTES C.	FUURSTED K.	GALEY M.	GANTER C.	GARCÍA LUNAR I.	GARGOURI R.
FUENTES-MATEOS R.	FYLES F.	GÁLFFY G.	GAO C.	GARCIA MINGO A.	GARIAZZO C.
FUENTETAJA OLMOS M.	FYRENIUS A.	GALGANI S.	GAO J.	GARCÍA MOGUEL I.	GARIBALDI S.
FUERTE E.	FYSIKOPOULOS A.	GALICIA AMOR S.	GAO J.	GARCÍA MOLINA A.	GARIN M.
FUGE J.	G	GALINDO J.	GAO L.	GARCIA MOYANO M.	GARIN N.
FUHLROTT B.	G COSÍO B.	GALINDO LASO M.	GAO W.	GARCÍA OLIVÉ I.	GARINO S.
FUHR D.	G GIBSON P.	GALINDO-ANDÚGAR M.	GAO Y.	GARCÍA ORTEGA A.	GARN H.
FUJIHARA B.	G M H.	GALL H.	GAPPA M.	GARCIA PRIETO F.	GARNELO L.
FUJII H.	G. BRUSSELLE G.	GALL R.	GARAS M.	GARCÍA RÍO F.	GARNER J.
FUJIMOTO S.	G. LOGAN A.	GALLANO PETIT P.	GARAVELLI E.	GARCÍA RIVERO J.	GARNER J.
FUJIMURA S.	G. NORDESTGAARD B.	GALLARDO ESTRELLA L.	GARAY LLORENTE E.	GARCIA RODRIGUEZ E.	GARRAPIZ I.
FUJIOKA H.	G. SILVA C.	GALLARDO ESTRELLA L.	GARAZZINO S.	GARCÍA ROMERO DE TEJADA J.	GARRAPIZ J.
FUJISAWA T.	GABBAY F.	GALLARDO ESTRELLA L.	GARBE E.	GARCIA SALAZAR I.	GARRIGA-BARAUT T.
FUJITA K.	GABBRIELLI L.	GALLARDO-REYES R.	GARBE ZANIOLO B.	GARCÍA SANCHEZ A.	GARRIGA-BARAUT T.
FUJITA M.	GABE R.	GALLATI S.	GARCÉS B.	GARCIA TAMAYO P.	GARTNER-TIZZANO S.
FUJITA Y.	GABET S.	GALLE E.	GARCI F.	GARCIA-ALTÉS A.	GARZILLO L.
FUJITA Y.	GABRIELLI A.	GALLEGO I.	GARCIA A.	GARCÍA AYMERICH J.	GASA GALMES M.
FUJIWARA K.	GABRIEL-MEDINA P.	GALLEGO CURTO E.	GARCIA A.	GARCÍA-COSÍO PIQUERAS B.	GASCÓN CASAREDI I.
FUKANO H.	GABROVSKA M.	GALLELLI L.	GARCIA A.	GARCIA-COSIO PIQUERAS F.	GASER A.
FUKATSU-CHIKUMOTO A.	GACH D.	GALLEN P.	GARCÍA A.	GARCIA-COSÍO PIQUERAS F.	GASHYNOVA K.
FUKIHARA J.	GACHELIN E.	GALLI F.	GARCIA A.	GARCÍA-DE VILLA S.	GASPAR L.
FUKUDA S.	GADDOUR A.	GALLI R.	GARCIA E.	GARCIA-GARCIA V.	GASPARIC M.
FUKUHARA A.	GADE E.	GALLINI F.	GARCIA G.	GARCIA-GASULLA D.	GASPARINI S.
FUKUHARA N.	GADSBØLL C.	GALLO E.	GARCIA G.	GARCÍA-GUERRA A.	GASS R.
FUKUI S.	GAETA R.	GALLO GONZÁLEZ V.	GARCIA I.	GARCÍA-HIDALGO M.	GASTALDI A.
FUKUMITSU K.	GAFFIER M.	GALLOTTI L.	GARCIA J.	GARCIA-HIDALGO M.	GASTON B.
FUKUNAGA K.	GAFFNEY B.	GALODE F.	GARCÍA S.	GARCIA-LARSEN V.	GASTON B.
FUKUOKA J.	GAFTON J.	GALVAN C.	GARCIA T.	GARCÍA-LERMA E.	GASULL X.
FUKUSHIMA Y.	GAGA M.	GALVÁN G.	GARCIA ALFARO M.	GARCÍA-LÓPEZ N.	GATES J.
FUKUTOMI Y.	GAGAT M.	GALVÁN BAUTISTA G.	GARCÍA ALFONSO L.	GARCIA-MANSFIELD K.	GATHERAL T.
FUKUYAMA A.	GAGGAR A.	GALVÁN BAUTISTA G.	GARCÍA ALMEIDA J.	GARCÍA-MATEO N.	GATHERAL T.
FUKUYAMA S.	GAGLIANO D.	GALVÁN-BAUTISTA G.	GARCÍA ALVAREZ A.	GARCIA-MINGO A.	GATT D.
FUKUZAKI S.	GAGLIARDO R.	GALVÃO T.	GARCÍA BARRERA T.	GARCÍA-MOYANO M.	GATTI E.
FULD J.	GAGLIARDO R.	GALVIN L.	GARCIA BONILA L.		GATTI M.
FULGA A.	GAGNADOUX F.	GALVIS C.	GARCIA CARRASCO M.		GATTINI M.
FULLARTON J.	GAHLEMANN M.	GAMAL W.	GARCÍA CARREIRA M.		GATTO M.
FULLWOOD C.	GAJ J.	GAMARRA A.	GARCÍA CASTILLO E.		GATTONI C.
FULTON O.	GAI X.		GARCIA CASTRO G.		GATZONIS S.
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FUMAGALLI J.	GAIKWAD A.				GAUA N.

GAUDET M.	GEORGE S.	GHOFRANI A.	GILELES-HILLEL A.	GIRÓN MATUTE W.	GOELZER M.
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GAULTIER J.	GEORGELIS A.	GHOSH A.	GILL C.	GIROTRA S.	GOEMINNE P.
GAUPMANN R.	GEORGIEV P.	GHOSH A.	GILL C.	GIROUX-LEPRIEUR B.	GOEMINNE P.
GAUQUELIN L.	GEORGIOPOULOU V.	GHOSH B.	GILL I.	GIROUX-LEPRIEUR E.	GOEMINNE T.
GAUR R.	GEORGIOS T.	GHOSH P.	GILL L.	GISBY J.	GOESSENS W.
GAUR V.	GEPHINE S.	GHOSH S.	GILL R.	GISLASON T.	GOFFINET C.
GAUVREAU G.	GERARD S.	GHOSH S.	GILL S.	GISLER A.	GOFFREDO D.
GAVARA N.	GERAYELI F.	GHOSH S.	GILL S.	GISSEL T.	GOGA A.
GAVRYSYUK V.	GERCKE P.	GHOSHAL A.	GILLARD A.	GISSEL T.	GOGAERT S.
GAWADE P.	GERCKENS M.	GHOUT I.	GILLE T.	GITAU R.	GOGALI A.
GAWLICKI M.	GERDAY S.	GHOZAL M.	GILLET A.	GIUBERGIA V.	GOGGIN Z.
GAY A.	GERGES C.	GHUYSEN A.	GILLET H.	GIUFFRE' M.	GOGTAY J.
GAYÀ PUIG A.	GERGES C.	GIACOMARRA V.	GILLET L.	GIUGLIANI R.	GOH A.
GAYAN-RAMIREZ G.	GERHARDT F.	GIAM Y.	GILLET T.	GIUNTOLI L.	GOH C.
GAYNOR-SODEIFI K.	GERNOT M.	GIAM Y.	GILLIAND D.	GIVOLI-VILENSKY R.	GOH K.
GAYRETLI AYDIN Z.	GEROVASIL V.	GIAMPALMA E.	GILLIBERT A.	GJØRUP P.	GOH N.
GAYVERT K.	GERRETSEN E.	GIANACAS C.	GILLIES C.	GKAKOU F.	GOH N.
GAZENDEL P.	GERRITSMA Y.	GIANELLA P.	GILLISSEN A.	GKANTINAS G.	GOHIR Q.
GE H.	GERRY S.	GIANNESE F.	GILLMAN A.	GKIOZOS I.	GOHY S.
GE R.	GERSHMAN E.	GIANNI D.	GILLON S.	GKREPI G.	GOI ROSCANI M.
GEA J.	GERSHON A.	GIANNÌ M.	GIL-MARTIN S.	GLANTZ H.	GOJEVIC T.
GEA J.	GERSHON A.	GIANNIOU N.	GILMOUR A.	GLASAUER S.	GOJSINA B.
GEATER S.	GERTZ R.	GIANNOCCARO F.	GILPIN D.	GLASGOW A.	GÖKDEMIR Y.
GEBHARDT A.	GESIERICH W.	GIANNOULAKI S.	GILSON M.	GLASPOLE I.	GOKHALE K.
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GEELANI S.	GESSNER B.	GIBBONS C.	GIMÉNEZ P.	GLEDITSCH J.	GOLAN- TRIPTO I.
GEELHOED J.	GESSNER B.	GIBBONS M.	GIMÉNEZ BADIA S.	GLEESON F.	GOLBSKI K.
GEELHOED J.	GESSNER C.	GIBBONS M.	GIMÉNEZ MOOLHUYZEN E.	GLEESON F.	GOLD J.
GEELHOED J.	GESTER F.	GIBBONS* M.	GIMÉNEZ RUIZ P.	GLIEMANN L.	GOLDBART A.
GEELS C.	GEUDENS V.	GIBBS A.	GIMENO SANTOS E.	GLIGOR L.	GOLDBERG M.
GEERAERTS E.	GEVAERT K.	GIBBS J.	GIMENO-SANTOS E.	GLODIĆ G.	GOLDBLATT D.
GEERTS L.	GEVAUDAN B.	GIBBS J.	GINETE-GARCIA J.	GLOECKL R.	GOLDIN J.
GEESHATH J.	GEYER P.	GIBBY A.	GINIS A.	GLOGOVSKA P.	GOLDIN J.
GEGINAT J.	GEZER N.	GIBERTINI I.	GIN-SING W.	GLORION M.	GOLDKLANG M.
GEHRIG P.	GEZER T.	GIBSON E.	GIOLLO A.	GLOS M.	GOLDSMITH L.
GEHRING U.	GFRS G.	GIBSON P.	GIORGIO V.	GLÜCKL R.	GOLDSTEEN P.
GEISER T.	GHADBAN C.	GIBSON P.	GIOTPOULOU G.	GLUHOVIC V.	GOLDSTEIN R.
GEISMANN F.	GHAFOOR A.	GIBSON P.	GIOVANI E.	GLYDE H.	GOŁEBIOWSKI A.
GEISSLER K.	GHANEM M.	GICQUELLO A.	GIOVANNI-CHAMI L.	GLYNOS K.	GOLEMBO M.
GELEFF S.	GHANIMA W.	GIDARIS D.	GIOVANNINI M.	GNANALINGAM C.	GOLETTI D.
GELFOND J.	GHANIZADA M.	GIDDINGS O.	GIOVANNINI-CHAMI L.	GNANAPRAGASAM J.	GOLFE BONMATÍ A.
GELL L.	GHANNOUCHI I.	GIERASCH C.	GIOXARI T.	GNASS M.	GOLHEN H.
GEMICIOGLU B.	GHARBI D.	GIETEMA H.	GIRÁLDEZ SÁNCHEZ M.	GNERLICH F.	GOLJAN GEREMEK A.
GEMICIOGU B.	GHAREEB R.	GIEZENDANNER S.	GIRALDO MONTOYA A.	GNIADY P.	GOLOGANU D.
GENDRON N.	GHARIANI J.	GIGANTO ALFAGEME P.	GIRARD M.	GO J.	GOLOGANU D.
GENG Q.	GHARIBZADEH HIZAL M.	GIGIREY CASTRO O.	GIRARD P.	GOBBI A.	GOMAA A.
GENKOVA K.	GHAZY A.	GIGLIA M.	GIRARDELLO L.	GOBETS D.	GOMBERG-
GENRE F.	GHEDIRA S.	GIGLIO E.	GIRASE B.	GOCHICOA RANGEL L.	MAITLAND M.
GENSCH I.	GHELIS I.	GIJTENBEEK R.	GIRAUDO C.	GOCHICOA-RANGEL L.	GOMES E.
GENSHEIMER T.	GHEORMAN V.	GIL A.	GIRAULT C.	GODBOUT K.	GOMES J.
GENT K.	GHEZZI E.	GILARDI E.	GIRERD N.	GODDING P.	GOMES L.
GENTINA E.	GHEZZI M.	GILARDONI J.	GIRGIN G.	GODIC I.	GOMES M.
GENTINA T.	GHIANI A.	GILBERT I.	GIRGIN DINDAR B.	GODINAS L.	GOMES M.
GENY F.	GHIMISLI I.	GILBERT J.	GIRIT S.	GODOY R.	GOMES R.
GENZOR S.	GHIO P.	GILBEY S.	GIRODET P.	GODOY MAYORAL R.	GOMEZ A.
GEORGANAKIS P.	GHIO S.	GILBOA H.	GIROLAMO R.	GODTFREDSEN N.	GOMEZ C.
GEORGATOU N.	GHIRARDO S.	GILCHRIST F.	GIRÓN DE VELASCO P.	GOEKERI C.	GOMEZ H.
GEORGE M.	GHISLA C.	GILCHRIST M.		GOEL A.	GOMEZ J.
GEORGE P.	GHOBRIAL J.	GILCHRIST T.		GOELZER L.	GÓMEZ ARIZA J.
GEORGE P.					

GÓMEZ BASTERO FERNÁNDEZ A.	GONZALEZ R.	GÖRANSSON M.	GRABCAZAK E.	GRAY J.	GRISI C.
GÓMEZ BELLVERT C.	GONZÁLEZ S.	GORDILLO VALDÉS E.	GRABCAZAK E.	GRAY J.	GRISOSTOMI G.
GÓMEZ BONILLA A.	GONZÁLEZ ÁLVAREZ L.	GORDJUSHINA V.	GRÄBER S.	GRAY L.	GRIST J.
GÓMEZ BREY A.	GONZALEZ ANAYA J.	GORDO J.	GRABY J.	GRAYSON M.	GRIST J.
GÓMEZ CARBALLA A.	GONZALEZ BARCALA F.	GORDON C.	GRACIA HERNÁNDEZ B.	GRAZIANI E.	GRIZE L.
GÓMEZ CARRERA L.	GONZÁLEZ CABO P.	GORE M.	GRACIA-LAVEDAN E.	GRAZIANI L.	GROARKE E.
GÓMEZ CRESPO B.	GONZALEZ CASTRO S.	GORE R.	GRADY D.	GRAZULEVICIENE R.	GROBE T.
GÓMEZ DE OÑA J.	GONZÁLEZ DONIZ L.	GÖREK DILEKTAŞLI A.	GRAETER S.	GRDOSIC J.	GROBS Y.
GÓMEZ GARCÍA T.	GONZÁLEZ FLORIDO N.	GORENIAK M.	GRAFF S.	GREALIS K.	GROEN H.
GÓMEZ GARRIDO A.	GONZALEZ GUTIERREZ J.	GORET J.	GRAFFEN S.	GREAVES C.	GROEN H.
GÓMEZ GIL M.	GONZÁLEZ HERNÁNDEZ A.	GORGUN I.	GRAFINO M.	GREB D.	GROENE S.
GÓMEZ LARRAURI A.	GONZÁLEZ IGLESIAS M.	GORGUN I.	GRAH C.	GREBENYUK A.	GROENEN M.
GOMEZ OLIVAS J.	GONZÁLEZ ISLAS D.	GORI L.	GRAHAM E.	GRECO N.	GROENIER M.
GOMEZ ORTIZ A.	GONZÁLEZ MONTAÑEZ C.	GORINI A.	GRAHAM J.	GRECU V.	GROEPENHOFF H.
GÓMEZ PACIELLO L.	GONZÁLEZ MUÑOZ I.	GORLANOVA O.	GRAHAM L.	GREEN B.	GROGONO D.
GÓMEZ REAL F.	GONZALEZ QUEREDA L.	GOROL O.	GRAHAM P.	GREEN C.	GRONGSTAD A.
GÓMEZ-CARBALLA A.	GONZALEZ QUERO B.	GOROS M.	GRAINGE C.	GREEN D.	GRONHAUG L.
GÓMEZ-DUQUE M.	GONZÁLEZ REVILLA E.	GORSUCH T.	GRAINGER J.	GREEN H.	GRONROOS N.
GOMEZ-MARIANO G.	GONZÁLEZ SIERRA M.	GORT-PANIELLO C.	GRÄLER M.	GREENBERG D.	GRONSKI M.
GOMEZ-MARTIN MARTÍN-GÓMEZ M.	GONZÁLEZ GARCIA J.	GOSBEE J.	GRAMENGA A.	GREENE C.	GROS P.
GOMEZ-MOLLEDA F.	GONZÁLEZ-BARCALA F.	GOSENS R.	GRAMENOU M.	GREENE G.	GROS P.
GÓMEZ-OLLÉS S.	GONZALEZ-CARRANZA S.	GOSLIGA D.	GRAMMATOPOULOU E.	GREENHAFF P.	GROSBOIS J.
GÓMEZ-RIAL J.	GONZÁLEZ-DÁVILA E.	GOSS J.	GRAMMATOPOULOU I.	GREENHAFF P.	GROSBOIS J.
GOMPELMANN D.	GONZÁLEZ-FERNÁNDEZ C.	GOSSELINK R.	GRAMMENIATIS V.	GREENHALF W.	GROŠELJ A.
GON Y.	GONZÁLEZ-FRECHINA M.	GOTERA C.	GRANADOS G.	GREENING N.	GROSSI S.
GONÇALVES A.	GONZÁLEZ-GAY M.	GOTER I.	GRANADOS MARTÍN M.	GREENING N.	GROSSO M.
GONÇALVES M.	GONZÁLEZ-GAY MANTECÓN M.	GOTE-SCHNIERING J.	GRANADOS ROSALES G.	GREENLAW N.	GROSU-CREANGĂ I.
GONÇALVES M.	GONZÁLEZ-ISLAS D.	GOTHARD P.	GRANADOS SANTIAGO M.	GREENOUGH A.	GROTE L.
GONÇALVES M.	GONZÁLEZ-PACHECO N.	GOTOWIEC M.	GRANADOS-SANTIAGO M.	GREGersen N.	GROUP P.
GONÇALVES T.	GONZÁLEZ-VERGARA D.	GOTTLIEB D.	GRANATO E.	GREGOIRE KRIKORIAN B.	GROUTTEAU S.
GONÇALVES DE ALBUQUERQUE C.	GOOBIE G.	GOTTLIEB J.	GRANDI T.	GREGSHAMMER B.	GROVES A.
GONÇALVES MENDES R.	GOODACRE R.	GOTTS N.	GRANELL R.	GRIFFO F.	GROVES A.
GONÇALVES PEREIRA J.	GOODALL E.	GOUDA HASSANEIN E.	GRANIER G.	GRENET D.	GRUBER A.
GONÇALVES RIBEIRO D.	GOODALL E.	GOUDER C.	GRANSAR T.	GRENZBACH C.	GRUBER A.
GONDHALI G.	GOODLAD M.	GOULART C.	GRANT L.	GRESHAM D.	GRUBWIESER P.
GONDOUN A.	GOODLEY P.	GOULAS A.	GRANT R.	GRESS C.	GRUEST M.
GONG T.	GOODWIN A.	GOULIAEV A.	GRANT-ORSER A.	GREULICH T.	GRUET M.
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GONNELLI S.	GOOS T.	GOUMANS M.	GRAPSA D.	GRICO D.	GRUNEWALD J.
GONSALVES A.	GOOSSENS M.	GOUNAND V.	GRASL M.	GRIESE M.	GRÜNEWALDT A.
GONSALVES A.	GOOSSENS E.	GOUNARIDI M.	GRASPEUNTNER S.	GRIFF S.	GRÜNIG E.
GONSKA T.	GOOSSENS R.	GOUNOPOULOS P.	GRASSELLI G.	GRIFFIN P.	GRUSON D.
GONSKI S.	GOPALAKRISHNAN R.	GOUPIL F.	GRASSIN DELYLE S.	GRIFFITHS A.	GRUTTERS J.
GONZAGUE D.	GOPALAN D.	GOUPOU K.	GRASSION L.	GRIFFITHS C.	GRUZIEVA O.
GONZALES J.		GOUR K.	GRASSO S.	GRIFFITHS D.	GRYNBLAT J.
GONZÁLES VARGAS S.		GOURDOU-LATYSZENOK V.	GRAU V.	GRIFON L.	GSCHWENDTNER S.
GONZALEZ A.		GOURGOLIANIS K.	GRAVE A.	GRIGG J.	GU C.
GONZÁLEZ B.		GOURLAY J.	GRAVE A.	GRIGOLETTO I.	GU H.
GONZALEZ E.		GOUSSARD P.	GRAVER PETERSEN A.	GRIGORIOW I.	GU H.
GONZALEZ H.		GOUTAKI M.	GRAVIER F.	GRIGORIOU I.	GU K.
GONZALEZ J.		GOUVEIA N.	GRAVISS E.	GRIGORPOULOS I.	GUAN N.
GONZÁLEZ J.		GOUVEIA CARDOSO C.	GRAY D.	GRILL M.	GUAN W.
GONZALEZ M.		GOUZI F.	GRAY E.	GRILLET P.	GUARINO M.
GONZALEZ M.		GOVONI M.		GRIMBALDESTON M.	GUARNIERI G.
GONZALEZ M.		GOZAL D.		GRIMBALDESTON M.	GUASCONI A.
GONZÁLEZ R.		GOZZI F.		GRIME C.	GUAY C.
				GRIMES I.	GUBER E.
				GRIMM M.	GUDJONSSON T.
				GRIMWOOD K.	GUDMUNDSSON G.
				GRISE L.	GUDUMAC E.
					GUDUR S.

GUÉANT J.	GUKHOOL K.	GÜRCAN E.	HABIBECH S.	HAILE S.	HAMID Q.
GUEANT-RODRIGUEZ R.	GUL K.	GURDAIN S.	HABLAS F.	HAIR P.	HAMILTON G.
GUECAMBURU M.	GÜL S.	GURRAGCHAA O.	HABOUBI S.	HAITCHI H.	HAMILTON H.
GUEDES BALDI B.	GUL JANAN H.	GURSES H.	HABOURIA C.	HAJDAREVIC S.	HAMILTON J.
GUEDIRI N.	GÜLEN F.	GURYEV V.	HABRE W.	HAJI G.	HAMILTON O.
GUEDRI N.	GULER R.	GUSHUE C.	HABSHYDZE N.	HAJI K.	HAMILTON R.
GUÉGAN M.	GULER S.	GUSTAFSSON L.	HACCURIA A.	HAJIAN B.	HAMMAD H.
GÜELL M.	GULERIA R.	GUT GOBERT C.	HACHEM M.	HAJMOHAMMADI H.	HAMMAD Z.
GUELLATI O.	GULIEVA A.	GUTBIER B.	HACHEM N.	HAJTAEIB S.	HAMMAM I.
GUELLERIN M.	GULSVIK A.	GUTH K.	HACHENI M.	HAKAMI A.	HAMMAMI R.
GUENAT O.	GÜLTEKIN B.	GUTIERREZ M.	HACHRI H.	HÅKANSSON K.	HAMMEDI A.
GUENDAOU S.	GUMENIUK G.	GUTIÉRREZ ANGUITA J.	HACHRI H H.	HÅKANSSON S.	HAMMER B.
GUENTHER A.	GUMENIUK G.	GUTIERREZ CLAVERIA M.	HACHULLA E.	HAKIZIMANA A.	HAMMER D.
GUENZLER V.	GUMENIUK M.	GUTIÉRREZ ROUCO M.	HACKER A.	HALAI L.	HAMMERL P.
GUERASSIMOVA I.	GUNARATNAM C.	GUTIERREZ-ARIAS R.	HACKETT T.	HALANK M.	HÄMMERLING S.
GUERASSIMOVA I.	GUNASEKERA K.	GUTIERREZ-RODRIGUES F.	HACKETT T.	HALAYKO A.	HAMMERSLEY V.
GUERRA A.	GUNAWARDENA T.	GUTIERREZ-RODRIGUEZ Y.	HACKNER K.	HALDAR K.	HAMOUDA A.
GUERRA C.	GUNDAY Ç.	GUTTMAN B.	HACKSHAW A.	HALDAR K.	HAMPSON E.
GUERRA I.	GÜNDÜZ KARAYAZI D.	GUTTMANN-DUCKE C.	HADAD Y.	HALDAR P.	HAMUTCU ERSU R.
GUERRA S.	GUNER M.	GUY L.	HADCHOUEL A.	HALDAR P.	HAMZA S.
GUERRA AZEVEDO I.	GUNES-YALCIN E.	GUY M.	HADCHOUEL DUVERGNE A.	HALDAR P.	HAMZAOUI A.
GUERRA CHAVES QUIRINO P.	GUNGOR M.	GUY T.	HADDA V.	HALILOVIC A.	HAN C.
GUERRACHE A.	GÜNGÖRDÜ N.	GUYARD A.	HADDAD N.	HALITIM K.	HAN C.
GUERREIRO I.	GUNNARSSON R.	GUYATT G.	HADDAR A.	HALL G.	HAN D.
GUERREIRO M.	GÜNTHER A.	GUZEL N.	HADDEN R.	HALL H.	HAN D.
GUERRERO C.	GÜNTHER G.	GÜZELKAŞ I.	HADHUD M.	HALL I.	HAN D.
GUERRERO ZAMORA P.	GÜNTHER S.	GUZMÁN ANSADO E.	HADI F.	HALL M.	HAN J.
GUERRIERI M.	GUNZ H.	GUZMAN-BANZON A.	HADJ DAHMANE M.	HALLAHAN P.	HAN J.
GUERVILLY C.	GÜNZLER V.	GUZONJIC A.	HADJ TAIEB S.	HALLAM C.	HAN K.
GUEZGUEZ F.	GUO A.	GUZZARDELLA A.	HADJI MITROVA M.	HALLBERG J.	HAN K.
GUGLIANDOLO P.	GUO B.	GUZZELONI V.	HADJI-MITROVA M.	HALLDORSDDOTTIR B.	HAN L.
GUIBERT N.	GUO C.	GWATIMBA A.	HADJISYMEOU-ANDREOU S.	HALLENBERGER T.	HAN L.
GUIDA G.	GUO H.	GWYNNE K.	HADJ-SAID D.	HALLETT T.	HAN M.
GUIDDIR T.	GUO H.	GYAWALI S.	HADZIC S.	HALLGREN O.	HAN M.
GUIDET B.	GUO J.	GYERTSON K.	HAEBERER M.	HALLIFAX R.	HAN M.
GUIDO M.	GUO N.	GYSAN M.	HAEFNER V.	HALLIFAX R.	HAN M.
GUIDUCCI S.	GUO R.	GYSELINCK I.	HAEFNOETS S.	HALLIWELL O.	HAN S.
GUIGNABERT C.	GUO S.	H	HAFERER M.	HALLOULI S.	HAN S.
GUILBERT T.	GUO X.	H FOY B.	HAFERER M.	HALLOUMI O.	HAN Y.
GUILBERT T.	GUO Z.	H MORICE A.	HAFERER M.	HALLOUMI O.	HANAFI H.
GUILLARD T.	GUO Z.	H NEERINCX A.	HAFERER M.	HALOUBI T.	HANAFIN J.
GUILLAUME M.	GUPTA A.	H. CHOTIRMALL S.	HAFERER M.	HALPIN S.	HANANIA N.
GUILLEMINAULT L.	GUPTA A.	H. FATHY M.	HAFERER M.	HALTER J.	HANCOCK D.
GUILLEN A.	GUPTA A.	H. FODOR G.	HAFERER M.	HALVORSEN B.	HANCOCK K.
GUILLO S.	GUPTA A.	H. VERCOULEN J.	HAFERER M.	HALVORSEN T.	HANCOX R.
GUILLO-SALEH H.	GUPTA D.	HA T.	HAFERER M.	HALWANI R.	HAND S.
GUILLOT L.	GUPTA G.	HA Y.	HAFERER M.	HAMADA K.	HANDA H.
GUILLOT S.	GUPTA M.	HAAGSMA A.	HAFERER M.	HAMADA N.	HANDA T.
GUILLOT-DUDORET S.	GUPTA N.	HAAPAMÄKI M.	HAFERER M.	HAMADA Y.	HANDOKO-DE MAN F.
GUILMIN P.	GUPTA N.	HAARMAN E.	HAFERER M.	HAMADY A.	HANGAN L.
GUIMARÃES C.	GUPTA N.	HAAS S.	HAFERER M.	HAMALOGU E.	HANGÜL M.
GUIMARÃES F.	GUPTA P.	HABEL M.	HAFERER M.	HAMBLIN P.	HANI Y.
GUIMARÃES M.	GUPTA R.	HABERTHÜR D.	HAFERER M.	HAMBLY N.	HANIF H.
GUIMARÃES N.	GUPTA R.	HABIB M.	HAFERER M.	HAMDAN A.	HANIOTOU A.
GUIMARÃES S.	GUPTA R.		HAFERER M.	HAMDANI M.	HANITSCH L.
GUINTO E.	GUPTA S.		HAFERER M.	HAMDANI M.	HANKEY W.
GUIOT J.	GUR M.		HAFERER M.	HAMDY S.	HANKOVSKY P.
GUISSARD F.	GURBANOVA E.		HAFERER M.	HAMED A.	HANNAH W.
GUITART M.			HAFERER M.	HAMEED M.	HANNAN L.
			HAFERER M.	HAMELMANN E.	HANNAN N.
			HAFERER M.	HAMID M.	HÄNNI R.

HANON S.	HARLANDER M.	HASSAN M.	HE J.	HEINEN F.	HEO J.
HANRAHAN S.	HARLEY J.	HASSAN M.	HE J.	HEINRICH J.	HEO S.
HANRATTY C.	HARMAN K.	HASSEN H.	HE M.	HEINSON A.	HEO Y.
HANSBAUER E.	HARMANCI K.	HASSEN I.	HE S.	HEINZELMANN K.	HEPWORTH C.
HANSBRO P.	HARNEDY F.	HASSENE H.	HE Z.	HEINZER R.	HER C.
HANSBRO P.	HARNER S.	HASSIBI S.	HEALEY A.	HEINZERLING L.	HERANCE J.
HANSEL N.	HAROON S.	HASSOUN D.	HEALEY C.	HEIRWEGH E.	HERAUD F.
HANSEL N.	HARPER A.	HATA H.	HEALY L.	HEKKING P.	HÉRAUD N.
HANSEL T.	HARPER H.	HATABU H.	HEANEY L.	HELJER N.	HERBAN S.
HANSEN A.	HARPER S.	HATAJI O.	HEANEY L.	HELBO SKAARUP S.	HERBERT J.
HANSEN C.	HARRIES T.	HATATA E.	HEARN H.	HELD J.	HERCBERG S.
HANSEN E.	HARRINGTON J.	HATEM O.	HEARNE R.	HELFENSTEIN E.	HEREDIA CIURÓ A.
HANSEN E.	HARRIS A.	HATTER L.	HEATH D.	HELGA THORARINSDOTTIR E.	HERMANN J.
HANSEN G.	HARRIS A.	HATZ R.	HEATLEY H.	HELLEDAY R.	HERMANS F.
HANSEN H.	HARRIS C.	HATZIAGOROU E.	HEBBINK R.	HELLEMONS M.	HERMANS G.
HANSEN K.	HARRIS D.	HATZIMITROVA M.	HEBISAWA A.	HELLGREN J.	HERMIDA VALVERDE T.
HANSEN M.	HARRISON E.	HATZOGLOU C.	HEĆIMOVIĆ A.	HELLINCKX J.	HERNÁNDEZ A.
HANSEN S.	HARRISON L.	HAU I.	HECKER J.	HELLSTEN Y.	HERNÁNDEZ C.
HANSEN T.	HARRISON T.	HAUBOLD J.	HECTOR A.	HELLSTRÖM WESTAS L.	HERNANDEZ F.
HANSSENS L.	HARRISON T.	HAUCK A.	HEDÉN S.	HELM E.	HERNANDEZ G.
HANSSON A.	HARRISON T.	HAUG G.	HEDHLI A.	HELM J.	HERNANDEZ G.
HANSSON M.	HARSTON G.	HAUKELAND PARKER S.	HEDHLI H.	HELUAN V.	HERNANDEZ I.
HANTOS Z.	HART J.	HAUKELAND-PARKER S.	HEDLUND M.	HELYES Z.	HERNANDEZ J.
HANTOUS S.	HART N.	HAUSDORFF J.	HEDMAN A.	HEMMERLING M.	HERNANDEZ R.
HAO H.	HART S.	HAUSDORFF J.	HEDMAN A.	HEMMRICH-STANISAK G.	HERNÁNDEZ ARGUDO M.
HAOUICHAT H.	HART S.	HAUSER J.	HEDMAN K.	HEMY N.	HERNÁNDEZ BIETTE A.
HAPPAERTS M.	HART-BROWN L.	HAUSER T.	HEDMAN L.	HEN LIM R.	HERNÁNDEZ GARCÍA V.
HAQ A.	HARTH V.	HÄUSLER H.	HEDNER J.	HENDERSON L.	HERNANDEZ GONZALES F.
HAQUE A.	HARTL S.	HAVADTÓI B.	HEDNER* J.	HENDERSON M.	HERNÁNDEZ GONZALEZ A.
HARA E.	HARTLEY J.	HAVELOCK T.	HÉDON C.	HENDREN A.	HERNÁNDEZ GONZÁLEZ F.
HARA H.	HARTMAN J.	HAVLIN J.	HEDRICH C.	HENDRICK A.	HERNÁNDEZ GONZÁLEZ F.
HARADA E.	HARTMAN J.	HAVLUCU E.	HEDSTRÖM U.	HENDRICKX R.	HERNANDEZ GONZALEZ F.
HARADA H.	HARTMAN T.	HAVLUCU Y.	HEDTRICH S.	HENDRIKS J.	HERNANDEZ GONZALEZ F.
HARADA N.	HARTMANN J.	HAVRYSH L.	HEEB P.	HENDRIKS J.	HERNANDEZ GUILLAMET G.
HARADA T.	HARTUNG J.	HAWARI M.	HEEDERIK D.	HENDRIKS L.	HERNANDEZ GUILLAMET G.
HARAHULIA H.	HARUKI K.	HAWCUTT D.	HEEDERIK D.	HENDRIKS L.	HERNÁNDEZ
HARANAGA S.	HARUTYUNOVA S.	HAWCUTT D.	HEEDERIK D.	HENDRIKS R.	HERNÁNDEZ M.
HARARI S.	HARVEY E.	HAWKINS N.	HEENEY R.	HENDRIKS S.	HERNÁNDEZ
HARASHCHENKO T.	HARVEY J.	HAWORTH C.	HEENEY R.	HENGSTSCHLÄGER M.	HERNÁNDEZ S.
HARBAUM L.	HARVEY J.	HAWORTH C.	HEERFORDT C.	HENKET M.	HERNANDEZ LOPEZ B.
HARBOE Z.	HARVEY L.	HAWORTH C.	HEFFLER E.	HENNEBERGER P.	HERNÁNDEZ LÓPEZ N.
HARDAKAR L.	HARVEY L.	HAYASHI M.	HEFFLER E.	HENNEGRAVE F.	HERNÁNDEZ
HARDAKER L.	HARVEY-DUNSTAN T.	HAYDAY A.	HEFNAWY A.	HENNEKE I.	HEROPEZ J.
HARDAVELLA G.	HARWOOD L.	HAYDAY T.	HEGELUND M.	HENNIG V.	HERNANDEZ RIZO A.
HARDCASTLE S.	HASABELGAVI L.	HAYES S.	HEGWALD M.	HENNIGS J.	HERNÁNDEZ SERRANO M.
HARDER A.	HASAN S.	HAYN I.	HEGGDAL K.	HENNY J.	HERNÁNDEZ VOTH A.
HARDER E.	HASEGAWA K.	HAYOT M.	HEGGE J.	HENQUET M.	HERNÁNDEZ-GONZÁLEZ F.
HARDIKAR A.	HASEGAWA N.	HAYTON C.	HEGNER P.	HENRIKSEN M.	HERNÁNDEZ-LÓPEZ N.
HARDIN M.	HASEGAWA T.	HAYWARD G.	HEIBATI B.	HENRIQUE VASCONCELOS ALVES L.	HERNANDEZ-PACHECO N.
HARDMAN T.	HASEGAWA Y.	HAYWARD S.	HEIGHTMAN M.	HENRIQUES M.	HERNÁNDEZ-SERRANO M.
HÅRDSTEDT M.	HASHIMOTO K.	HAZAN G.	HEIJINK I.	HENROT P.	HERNÁNDEZ-ZENTENO R.
HARDY J.	HASHIMOTO M.	HAZAN I.	HEIJINK I.	HENRY A.	HERNÁNDEZ-ZENTENO R.
HARDY L.	HASHIMOTO N.	HAZAN I.	HEIJUNEN I.	HENRY C.	
HARDY M.	HASHIMOTO S.	HAZELETT B.	HEIJTING I.	HENSVOLD A.	
HARE A.	HASHIOKA H.	HAZENBERG P.	HEIKKILÄ P.	HENTENAAR I.	
HARGADON B.	HASHMI S.	HBAIEB Y.	HEILI-FRADES ZIMMERMANN S.	HENZI N.	
HARGRAVE K.	HASKARD D.	HBIBECH S.	HEIN HEGELUND M.	HEO E.	
HARKER E.	HASPEL J.	HE B.	HEINE H.		
HARKER J.	HASSAN A.	HE D.	HEINEMANN A.		
HARKÓ T.	HASSAN A.	HE J.			
HARKUSHA V.					

HERNÁNDEZ-ZENTENO R.	HEWITT J.	HIRATA A.	HOFFMAN E.	HOLZHAUSEN C.	HOSP-COVID COLLABORATIVE GROUP P.
HERNANDO BENITO G.	HEWITT R.	HIRATA H.	HOFFMAN E.	HOMMA S.	HOSSZU A.
HEROLD R.	HEYDARI G.	HIRATA K.	HOFFMAN E.	HOMMA Y.	HOSTERMANN D.
HEROLD S.	HEYDERMAN R.	HIRECHE K.	HOFFMAN M.	HON P.	HOSTETTLER K.
HEROUTOVA M.	HEYMAN L.	HIRJI A.	HOFFMANN H.	HONDA K.	HOSTETTLER K.
HERPEL L.	HEYNDRIX E.	HIROKAWA H.	HOFFMANN H.	HONDA N.	HÖTZENECKER K.
HERR C.	HEYOB K.	HIRONS B.	HOFFMANN M.	HONEYFORD K.	HOU C.
HERRANZ A.	HIBBERT E.	HIROSE VENTURA A.	HOFFMANN S.	HONG J.	HOU G.
HERRANZ-BLASCO A.	HICHEM A.	HIRSCH H.	HOFFMANN-VOLD A.	HONG J.	HOU J.
HERRANZ-DIEZ C.	HICKEY F.	HIRSCHI S.	HOFFMANN-VOLD A.	HONG Y.	HOU R.
HERRE J.	HICKS A.	HIRST R.	HOFMANN H.	HONGJING L.	HOU X.
HERRERA FLORES E.	HIDALGO MOLINA A.	HISADA T.	HOFMANN L.	HONKOOP P.	HOUBEN-WILKE S.
HERRERO CORTINA B.	HIDOURI S.	HISHAM R.	HOFMANN M.	HONORATO BORGES JUNIOR L.	HOUCHEN-WOLLOFF L.
HERRERO-CORTINA B.	HIEMSTRA P.	HISINGER-MÖLKÄNEN H.	HOFSØ K.	HONORÉ J.	HOUDA R.
HERRMANN E.	HIEMSTRA P.	HITCHING M.	HOFVING T.	HOOFT C.	HOUDOUIN V.
HERRMANN F.	HIEMSTRA P.	HITES M.	HÖGER P.	HOOI 9.	HOUGHTON C.
HERRMANN M.	HIGA F.	HITZENBICHLER F.	HOGG C.	HOOL S.	HOUSTON C.
HERRON M.	HIGASHIMOTO Y.	HJEIJ R.	HOGG J.	HOOLE S.	HOUWELING L.
HERRON M.	HIGBEE D.	HJORT J.	HOGG J.	HOOPER-LEE J.	HOV B.
HERSH C.	HIGES DIAZ A.	HLAVATY A.	HOGGARTH G.	HOOSHIAR KASHANI B.	HOVE K.
HERSHKO T.	HIGGS V.	HO B.	HÖGMAN M.	HOPKINS P.	HOVHANNESYAN A.
HERSHMAN M.	HIGHAM A.	HO E.	HOGSTRÖM L.	HOPKINSON N.	HOVLAND V.
HERTH F.	HIGHAM J.	HO I.	HOHEISEL A.	HOPKINSON N.	HOWARD D.
HERTH F.	HIGHLAND K.	HO J.	HOHENADEL I.	HOPKINSON N.	HOWARD L.
HERTH F.	HIGMAN J.	HO J.	HOHLFELD J.	HOPKINSON N.	HOWARD L.
HERTH F.	HILA E.	HO L.	HOHLFELD J.	HOPKINSON N.	HOWARD L.
HERTH F.	HILADO P.	HO M.	HOJO M.	HOPMANS R.	HOWARD M.
HERTH F.	HILARES VERA J.	HO P.	HOJSAK I.	HOPPE B.	HOWARTH P.
HERTH F.	HILARIO NASCIMENTO SALDIVA P.	HO R.	HOLBOURN A.	HOPPE B.	HOWARTH P.
HERTH J.	HILBERG O.	HO S.	HOLDEN K.	HOPPENOT D.	HOWELL I.
HERTZ F.	HILGENDORFF A.	HO S.	HOLDER M.	HOPPER J.	HOWELL J.
HERVÁS MARÍN D.	HILL A.	HO T.	HOLDSTOCK L.	HORACK M.	HOWIE K.
HERVÉ-CARREGA A.	HILL A.	HO V.	HOLGADO TERRIZA J.	HOREV A.	HOWIE K.
HERVIEUX E.	HILL C.	HO Y.	HOLGATE S.	HORGAN L.	HOWIESON E.
HERZALLAH R.	HILL D.	HO Y.	HOLGERSEN M.	HORN M.	HOWLETT-FOSTER M.
HERZIG J.	HILL K.	HO DAC L.	HOLGUIN F.	HORNBERG J.	HOXHA M.
HERZOG A.	HILL K.	HOANG NGUYEN O.	HOLL J.	HORND AHL J.	HOXHALLARI A.
HESLOP MARSHALL K.	HILL K.	HOBBS B.	HOLLAND A.	HORNER D.	HOY R.
HESLOP-MARSHALL K.	HILLAS G.	HOBBS B.	HOLLAND A.	HOROVA P.	HOYER N.
HESPANHOL V.	HILLMAN T.	HOBIN N.	HOLLAUER C.	HORSEY D.	HOYLES R.
HESSAMI Z.	HILLS T.	HOCHDÖRFER T.	HOLLIDAY M.	HORSLEY A.	HOYLES R.
HESSSELBERG L.	HILLSON K.	HOCKE A.	HOLLINS C.	HORSLEY A.	HOYTE F.
HESESELING A.	HILTON A.	HODA M.	HOLLMÉN M.	HORST C.	HOZUMI H.
HESELS L.	HILTON J.	HODGDON K.	HOLLOWAY J.	HORTON K.	HRKAČ S.
HESSLINGER C.	HILTY M.	HODGE S.	HOLLOWAY J.	HORTON K.	HRVOIĆ L.
HESTER K.	HINCHCLIFFE F.	HODGSON S.	HOLLOWAY R.	HORTON M.	HSEIN Y.
HETTICH I.	HIND D.	HODIN S.	HOLM A.	HORVAT J.	HSIA T.
HETZEL J.	HINDERHOFER K.	HODREA J.	HOLM A.	HORVATH A.	HSU A.
HETZEL M.	HINDRE R.	HODZHEV V.	HOLM M.	HORVATH C.	HSU J.
HEUBEL A.	HINE C.	HOEBE C.	HOLMDAHL I.	HORVATH C.	HSU Y.
HEUDE B.	HINE J.	HOEFLE R.	HOLMES L.	HORVATH G.	HSUAN C.
HEUMOS L.	HINKS T.	HOEK G.	HOLMSTOCK L.	HORVÁTH I.	HU C.
HEUNKS L.	HINKS T.	HOEK R.	HOLST R.	HORVÁTH P.	HU C.
HEUSNER, PHD C.	HION T.	HOEKSTRA R.	HOLSTAD A.	HOSAKA Y.	HU G.
HEUSSEL C.	HIPÓLITO N.	HOENING C.	HOLT K.	HOSCH R.	HU H.
HEUSSEL C.	HIRAHARA K.	HOEPER M.	HOLTDIRK A.	HÖSCHLER B.	HU J.
HEUSSER E.	HIRAI K.	HOEPER M.	HOLTZLANDER M.	HOSHINO T.	HU M.
HEUVELMANS M.	HIRAMA N.	HOEPER M.	HOLUB S.	HOSHINO Y.	HU S.
HEW M.	HIRANI N.	HOESEIN F.	HOLVERDA S.	HOSHINO Y.	HU W.
	HIRANO T.	HOER M.	HOLWEG C.	HOSOUNE L.	
	HIRANO Y.	HOFF E.	HOLZ O.		

HU X.	HUI D.	HWANG H.	IELO G.	INAL-INCE D.	ISHIDA T.
HU X.	HUI D.	HWANG J.	IELO N.	INCHINGOLO R.	ISHIDA T.
HUA Y.	HUI S.	HWANG J.	IEMURA H.	INES Z.	ISHII H.
HUANG C.	HUIJZER-VAN	HWANG P.	IEPSEN U.	INÊS COSTA M.	ISHII H.
HUANG C.	REENEN N.	HWANG Y.	IFTIKHAR S.	INFANTINO R.	ISHII M.
HUANG C.	HUISMAN M.	HWANG Y.	IGARASHI M.	ING A.	ISHII R.
HUANG C.	HULL J.	HWE C.	IGAWA M.	INGADOTTIR Þ.	ISHII T.
HUANG C.	HULL J.	HWEE J.	IGLESIAS A.	INGADOTTIR Þ.	ISHII Y.
HUANG H.	HULL J.	HYAMS C.	IGLESIAS I.	INGELSTEN M.	ISHIKAWA N.
HUANG H.	HULL R.	HYBA Y.	IGLESIAS R.	INGET M.	ISHIOKA Y.
HUANG H.	HULL R.	HYLAND M.	IGLESIAS COMA A.	INGLE T.	ISIK Ö.
HUANG J.	HULLEGIE S.	HYLAND M.	IGLESIAS COMAS A.	INGLÉS AZORÍN M.	İŞIKCI B.
HUANG J.	HULLO E.	HYLANDER J.	IGLESIAS-SERRANO I.	INGLIS S.	ISKANDAR I.
HUANG J.	HULSTRÖM V.	HYLDGAARD C.	IGNATIEVA V.	INGOLE J.	ISLAM Q.
HUANG K.	HUMANN M.	HYON Y.	IHSAN M.	INGRAM K.	ISMAIL A.
HUANG K.	HUMBERT M.	HYRKÄS-PALMU H.	IKARI J.	INGRASSIA E.	ISMAILA A.
HUANG M.	HUMBERT M.	HYSENBELLI E.	IKARI T.	INGUANTA R.	ISMAILA A.
HUANG M.	HUME E.	HYUN D.	IKEDA M.	INIESTA GONZÁLEZ S.	ISMAILA A.
HUANG N.	HUMPHRIES E.	HYUN I.	IKEDA T.	IÑIGUEZ DE HEREDIA	ISMATULLAH S.
HUANG R.	HUMPHRIES S.	I	IKEYAMA Y.	MONFORTE P.	ISON M.
HUANG S.	HUNG J.	I ABDEL-AZIZ M.	IKIN J.	INOUE H.	ISRAEL E.
HUANG S.	HUNNINGHAKE G.	IACONE R.	IKROU H.	INOUE Y.	ISRAEL-BIET D.
HUANG S.	HUNT W.	IACOPINI E.	IKROU H.	INSALACO G.	ISRAELI-SHANI L.
HUANG S.	HUNTER B.	IACOTUCCI P.	ILAGAN J.	INSALATA G.	ISRAËLS J.
HUANG V.	HUNTER G.	IACOVELLI A.	ILARDO G.	INSEL M.	ISSA S.
HUANG W.	HUNTER L.	IACOVINO M.	ILHEM C.	INSTALLÉ S.	ISSEVER H.
HUANG X.	HUNTER S.	IAMONTI V.	ILIĆ M.	INTELANGELO L.	ISSHIKI T.
HUANG X.	HUNTLEY C.	IANNACCI L.	ILIEVA N.	INTIGLIETTA P.	ISSOP S.
HUANG Y.	HUNTLEY C.	IANNUZO N.	İLKKILIÇ K.	INTOTERO M.	ITENOV T.
HUANG Y.	HUNZINGER N.	IASONIDOU H.	ILLERGÅRD K.	INVESTIGATORS T.	ITO H.
HUANG Y.	HUPKENS E.	IAVORSCHI C.	ILLIFE L.	IOAKEIM F.	ITO K.
HUANG Y.	HUR G.	IBAD H.	ILLIG T.	IOAN I.	ITO K.
HUANG Y.	HURLEY K.	IBAÑEZ R.	ILMARINEN P.	IOANNIDOU I.	ITO K.
HUANG Z.	HURLEY P.	IBÁÑEZ FONSECA A.	ILYÉS N.	IOANNOU M.	ITO K.
HUANG Z.	HURST J.	IBÁÑEZ-FONSECA A.	IM Y.	IOANNOU P.	ITO R.
HUAYANAY L.	HURST J.	IBARRA FERNÁNDEZ	IMABAYASHI T.	ION I.	ITO S.
HUBACEK P.	HURT K.	A.	IMABAYASHI T.	ION I.	ITO S.
HUBBARD R.	HURTADO J.	IBATÁ L.	IMAI R.	IONESCU A.	ITO S.
HÜBENER C.	HURTADO P.	IBBETSON A.	IMAKITA T.	IONESCU A.	ITO T.
HUBER B.	HURTADO P.	IBERL G.	IMAMOTO T.	IONESCU R.	ITO Y.
HUBER M.	HURTADO FUENTES	IBN MEJD Y.	IMAMURA T.	IORILLO I.	ITO Y.
HÜBNER R.	Á.	IBRAHIM E.	IMAMURA M.	IOSIFIDIS T.	ITO Y.
HUCHARD T.	HURTADO ORTEGA J.	IBRAHIM I.	IMAMURA S.	IOVINE E.	ITOH Y.
HUEDEPOHL R.	HUSEBØ G.	IBRAHIM K.	IMBERDIS K.	IP M.	ITTRICH C.
HUESPE I.	HUSSAIN F.	IBRAHIM M.	IMBERT S.	IPPOLITI L.	ITURBE FERNÁNDEZ
HUETSCH J.	HUSSAIN I.	IBRAHIM N.	IMEN G.	IQBAL B.	D.
HÜGEL C.	HUSSAIN J.	IBRAHIM S.	IMERI G.	IQBAL Z.	ITURBE-FERNÁNDEZ
HUGG T.	HUSSAIN S.	IBRAHIM W.	IMITAZIONE P.	IRFAN M.	D.
HUGG T.	HUSSEIN H.	IBRAHIM BAESS A.	IMORU Y.	IRIBERRI PASCUAL M.	IURLARO A.
HUGHES C.	HUSSEIN K.	IBRAR K.	IMPELLIZZERI P.	IRIE M.	IUS F.
HUGHES D.	HUSSEIN M.	IBSEN R.	IMRAN M.	IRMAK I.	IVAN F.
HUGHES D.	HUSSELL T.	IBTIHEL K.	IMTIAZ Y.	IROKAWA M.	IVANAGA I.
HUGHES F.	HUSSEY A.	ICHIKADO K.	IMZIL A.	IRUSEN E.	IVANES A.
HUGHES J.	HUST STORGAARD L.	ICKSAN A.	IMZIL A.	IRVIN C.	IVANES I.
HUGHES K.	HUTCHINS E.	ICTHO J.	IN 'T VEEN J.	IRVING L.	IVANKOVSKA S.
HUGHES M.	HUTCHINSON A.	IDĀNPÄÄN-HEIKKILÄ	IN 'T VEEN H.	ISAAC B.	IVANOV Y.
HUGHES P.	HUTS H.	J.	IN 'T VEEN J.	ISAAC H.	IVANOVA V.
HUGHES R.	HÜTTMANN G.	IDES K.	IN 'T VEEN J.	ISAAC R.	IVANOVA Z.
HUGLI O.	HUYNH A.	IDREES S.	IN 'T VEEN J.	ISAMAN D.	IVARSSON E.
HUH J.	HUYNH L.	IDRIS E.	IN 'T VEEN J.	ÍSCAR URRUTIA M.	IVERSEN B.
HUI D.	HUZJAN KORUNIĆ R.	IDZKO M.	INAL H.	ISHIDA A.	IVKOVIC A.
	HVIDTFELDT M.	IDZKO M.	INAL INCE D.	ISHIDA M.	IVKOVIĆ D.
	HVIID-VYFF B.				

IVKOVIC S.	JACOBSON P.	JANDUS P.	JAVAID S.	JEONG I.	JIN G.
IWANAGA T.	JACOBY D.	JANELA C.	JAVAUD N.	JEONG M.	JIN L.
IWANOWSKI P.	JÁCOME C.	JANES S.	JAVAUX J.	JEONG S.	JIN M.
IWASE N.	JACQUEMIN B.	JANETTE T.	JAVIER CALLEJAS GONZÁLEZ F.	JEONG Y.	JIN X.
IWATA M.	JACQUES A.	JANG A.	JAVORAC J.	JERBI S.	JIN Y.
IWATA T.	JAENSCH L.	JANG B.	JAYAMAHA A.	JEREZ POMBO J.	JIN Y.
IWATSUBO Y.	JAFFAR J.	JANG C.	JAYARATNAM A.	JERIDI D.	JIN Z.
IYER H.	JAFFUEL D.	JANG H.	JAYASIMHAN D.	JERKIC S.	JIN WOO K.
IYER V.	JAFRI A.	JANG I.	JAZIC I.	JERSMANN H.	JINDAL A.
IZAWA H.	JAGGI T.	JANG S.	JEAGAL E.	JERVAN Ø.	JINDAL A.
IZHAKIAN S.	JAGIRDAR R.	JANG S.	JEANFREAU R.	JESKIEWICZ M.	JINDAL S.
IZQUIERDO J.	JAHA R.	JANISSET L.	JEAN-LOUIS P.	JESPERSEN A.	JING J.
IZQUIERDO S.	JAHN A.	JANKEVICS A.	JEANNERAT D.	JESSEL A.	JINTA T.
IZQUIERDO ALONSO J.	JAHN K.	JANKOVIC J.	JEANNERET G.	JESSEN H.	JIRAWAT N.
IZQUIERDO CUERVO S.	JAHNZ- RÓŻYK K.	JANKOVIĆ MAKEK M.	JEBALI A.	JESTIN-GUYON N.	JIRHOLT J.
J	JAHNZ- RÓŻYK K.	JANKOWSKI R.	JEBALI M.	JESUS F.	JISON M.
J COLLARO A.	JAILLET M.	JANNAT A.	JEBALI R.	JESUS PEREIRA J.	JIWA K.
J JACKSON D.	JAIN A.	JANNOWITZ C.	JEBRAK G.	JEVNIKAR M.	JO H.
J SINGH S.	JAIN K.	JANSA P.	JEDIDI N.	JEYAKUMAR K.	JO M.
J STROLLO JR P.	JAIN P.	JANSEN D.	JEE H.	JEYATHEESAN J.	JO Y.
J. A. JANSSEN D.	JAIS X.	JANSEN M.	JEGAL Y.	JEŽIĆ I.	JOACHIM C.
J. BERTELSEN R.	JAISWAL K.	JANSEN S.	JEGARD J.	JGARKAVA M.	JOANNES A.
J. CEULEMANS L.	JAJBHAY D.	JANSON C.	JEHN L.	JH VIJVERBERG S.	JOBST R.
J. PARNHAM M.	JAK P.	JANSON C.	JEHN L.	JHA M.	JOCHMANN A.
J. SCHULTZ M.	JAKI L.	JANSSSEN D.	JELASSI W.	JHENG Y.	JOELSSON J.
JAANKOLA J.	JAKOB J.	JANSSSEN D.	JELAVIĆ M.	JHUN B.	JOENS O.
JAANKOLA J.	JAKOBSSON J.	JANSSSEN E.	JELIC S.	JHUNIOR-SOLIS A.	JOGDAND P.
JAANKOLA M.	JAKOET-BASSIER F.	JANSSSEN J.	JELINČIĆ V.	JI H.	JÖGI N.
JABLONSKA J.	JAKOPOVIĆ M.	JANSSSEN R.	JENKINS A.	JI W.	JOGI R.
JABRI H.	JAKSCH P.	JANSSSEN S.	JENKINS C.	JI Y.	JOGLEKAR M.
JABRI H.	JAKUBEC P.	JANSSSENS A.	JENKINS C.	JI Z.	JOH J.
JACINTO A.	JAKUPOVIC I.	JANSSSENS E.	JENKINS D.	JIA J.	JOHANNE KATRINE STUBSGAARD A.
JACINTO T.	JAKYMELEN D.	JANSSSENS H.	JENKINS G.	JIA L.	JOHANNESSEN A.
JACKOWSKA T.	JALAEDDINE N.	JANSSSENS L.	JENKINS G.	JIA Y.	JOHANNESSEN H.
JACKSON A.	JALALI FARAHANI V.	JANSSSENS V.	JENKINS G.	JIANG B.	JOHANNSSON K.
JACKSON C.	JALASTO J.	JANSSSENS W.	JENKINS R.	JIANG Q.	JOHANNSSON K.
JACKSON C.	JALEL K.	JANSSON C.	JENKINS R.	JIANG R.	JOHANSEN H.
JACKSON D.	JALIL KHAN A.	JANUÁRIO F.	JENKINS T.	JIANG W.	JOHANSEN M.
JACKSON D.	JALIL-CONTRERAS Y.	JANULAITYTE I.	JENNISON T.	JIANG Y.	JOHANSSON H.
JACKSON D.	JAMAL K.	JANUS M.	JENSEN A.	JIHENE B.	JOHANSSON K.
JACKSON G.	JAMAL JAMEEL K.	JANUSKEVICIUS A.	JENSEN C.	JIMENEZ D.	JOHANSSON U.
JACKSON K.	JAMBON M.	JANUSZEWSKI A.	JENSEN D.	JIMENEZ J.	JOHKOH T.
JACKSON L.	JAMEL A.	JA O M.	JENSEN J.	JIMÉNEZ AGUILELLA J.	JOHN A.
JACKSON N.	JAMEL A.	JAQUIN D.	JENSEN J.	JIMÉNEZ CASTRO D.	JOHN N.
JACKSON R.	JAMES A.	JAQUIN T.	JENSEN J.	JIMÉNEZ GALLARDO L.	JOHN R.
JACKSON S.	JAMES C.	JARA I.	JENSEN J.	JIMÉNEZ GALLARDO L.	JOHN S.
JACOB J.	JAMES D.	JARA ALONSO I.	JENSEN J.	JIMÉNEZ GARCÍA R.	JOHN S.
JACOB K.	JAMES M.	JARA PALOMARES L.	JENSEN K.	JIMÉNEZ LÓPEZ J.	JOHN TANG T.
JACOB S.	JAMES M.	JARAND J.	JENSEN K.	JIMÉNEZ VALENTÍN A.	JOHNS C.
JACOB S.	JAMES P.	JARA-PALOMARES L.	JENSEN P.	JIMÉNEZ VALENTÍN A.	JOHNS D.
JACOB-NARA J.	JAMIL R.	JARKOVSKY J.	JENSEN S.	JIMÉNEZ FUENTES M.	JOHNSEN S.
JACOB-NARA J.	JAMLI S.	JAROSCH I.	JENSEN-FANGEL S.	JIMÉNEZ-GALLARDO L.	JOHNSON B.
JACOBS B.	JAMOUSSI B.	JARREAU P.	JENTZSCH C.	JIMÉNEZ GARCÍA R.	JOHNSON E.
JACOBS C.	JAN S.	JARROLD I.	JENTZSCH R.	JIMÉNEZ LÓPEZ J.	JOHNSON J.
JACOBS J.	JANAHI I.	JARTTI T.	JENY F.	JIMÉNEZ GÓMEZ G.	JOHNSON K.
JACOBS J.	JANAUDIS-FERREIRA T.	JARVIS F.	JEON D.	JIMENEZ-MALDONADO L.	JOHNSON K.
JACOBS M.	JANCIAUSKIENE S.	JARVIS H.	JEON D.	JIMÉNEZ-MARTÍN A.	JOHNSON K.
JACOBS S.	JANCIAUSKIENE WALLMARK S.	JASMIN J.	JEON J.	JIMÉNEZ-VALENTÍN A.	JOHNSON K.
JACOBS JR. D.	JANCOVIC MAKEK M.	JASON P.	JEON J.	JIN F.	JOHNSON M.
JACOBSEN N.	JANDL M.	JASPERS I.	JEON O.		JOHNSON M.
		JAUN F.	JEONG D.		

JOHNSON M.	JOSE NIETO-FONTARIGO J.	JURGENSEN M.	KAISER R.	KAMOC SAY M.	KAPUR A.
JOHNSON M.		JURKA N.	KAISER R.	KAMONDI A.	KAR A.
JOHNSON S.	JOSEPH K J D.	JURKOWICZ M.	KAJITA Y.	KAMOUN H.	KARAAHMETOGLU F.
JOHNSON S.	JOSHI V.	JUSS M.	KAKKOURA M.	KAMP J.	KARABATIĆ S.
JOHNSTON J.	JOSHUA V.	JUST N.	KAKLAMANO U D.	KAMPHUIS L.	KARABEY S.
JOHNSTON K.	JOSHY G.	JUSTEAU G.	KAKOLYRIS A.	KAMPOLIS C.	KARABINA S.
JOHNSTON S.	JOSIĆ L.	JUSTET A.	KAKUGAWA T.	KAMPOURIS S.	KARABORNI B.
JOHNSTONE S.	JOUANJAN L.	JUSTICE J.	KALAFATIS D.	KAMSTRUP P.	KARABULUT S.
JOKSAITE S.	JOUFFROY R.	JUSTO A.	KALBOUSSI H.	KAN K.	KARACA S.
JOLLEY C.	JOUGON J.	JUTANT E.	KALDENBACH M.	KAN P.	KARACHALIA SANDRI A.
JOLY L.	JOUGON J.	JUUSELA M.	KALDEREN C.	KANAI M.	KARACHALIOU A.
JOLY O.	JOUIDA A.	JUVEKAR S.	KALHAN R.	KANAI O.	KARACHRYSAFI S.
JONAKOWSKI M.	JOUNEAU S.	K	KALHAUGE A.	KANAKA-GANTENBEIN C.	KARADAG B.
JONCKHEER T.	JOUNIEAUX V.	K. AWAD A.	KALIA P.	KANAZAWA K.	KARADAĞ M.
JONCKHEERE C.	JOURET N.	K. JAGGI T.	KALINKE L.	KANAZAWA S.	KARADOĞAN D.
JONES A.	JOVER SAENZ A.	KAABI L.	KALINOV R.	KANCHI L.	KARADZINSKA-BISLIMOVS KA J.
JONES A.	JOYA Z.	KAARTEENAH O R.	KALLEL M.	KANDAN R.	KARAGEORGI O U A.
JONES B.	JOYCE L.	KABALIUK N.	KALLEL N.	KANE E.	KARAGEORG O U V.
JONES G.	JOYCE M.	KABAMBA B.	KALLEL N.	KANE M.	KARAKAS F.
JONES M.	JRIDI D.	KABANOV D.	KALLEL N.	KANEKO T.	KARAKAYA G.
JONES M.	JU X.	KABATA H.	KALLEL N.	KANELLAKIS N.	KARAKIOULAKI M.
JONES P.	JUAN GARCÍA J.	KABBACH E.	KALLEL S.	KANELLAKIS N.	KARAKOC D.
JONES R.	JUAN SABORIDO E.	KABÉLE M.	KALLEMOSE T.	KANEMITSU Y.	KARAKOC F.
JONES R.	JUANG Y.	KABESCH M.	KÄLLÉN K.	KANER R.	KARAKULAK V.
JONES S.	JUCHET H.	KABIL A.	KALLIERI M.	KANERVA M.	KARAKURT S.
JONES S.	JUCIUTE N.	KABRA S.	KALMYKOVA I.	KANEZAKI M.	KARAKURT Z.
JONES T.	JUDAH G.	KACEM A.	KALOMENIDIS I.	KANG D.	KARAKUŞ I.
JONGEDIJK E.	JUGE P.	KACEM A.	KALTSAKAS G.	KANG H.	KARAMANCIOGLU B.
JONGEN V.	JUHL-OLSEN P.	KACEM I.	KALTSOGIANNI O.	KANG H.	KARAMARKOVIĆ LAZARUŠIĆ N.
JONIGK D.	JUJO T.	KACEM M.	KALUCZA S.	KANG H.	KARAMEH M.
JONIGK D.	JUKIC F.	KACHKOVSKA V.	KALUZHNY Y.	KANG J.	KARAMERI M.
JONIGK D.	JUL ANDREASEN L.	KACHROO P.	KALYONCU A.	KANG J.	KARAMPELA I.
JONKER L.	JULIE H.	KADAR D.	KALYONCU A.	KANG J.	KARAMPINIS I.
JONKER R.	JULIOUS S.	KADARDAR F.	KALYONCU M.	KANG L.	KARAMPITSAKOS T.
JONKERS R.	JULJANI S.	KADDOUSII R.	KAMAL 8.	KANG N.	KARANAM V.
JONS O.	JULVEZ J.	KADDOUSSI R.	KAMAL F.	KANG S.	KARANOV IĆ B.
JONSDOTTIR H.	JUN T.	KADEFORS M.	KAMARIOTOU E.	KANG S.	KARANTAGLIS N.
JÖNSSON J.	JUNG C.	KADIR M.	KAMARUDIN N.	KANG Y.	KARAPETSAS V.
JONSSON FAGERLUND M.	JUNG C.	KADITIS A.	KAMATANI T.	KANG Y.	KARASU S.
JOO D.	JUNG H.	KADOTA T.	KAMATH N.	KANIA-PUDLO M.	KARATAS M.
JOO H.	JUNG H.	KAENMUANG P.	KAMBAL A.	KANIARIS E.	KARDEŞ K.
JOOS G.	JUNG H.	KAES J.	KAMBLE M.	KANKAANRANTA H.	KARDOS P.
JOOS ZELLWEGER L.	JUNG J.	KAESTLE M.	KAMGOUÉ A.	KANNENGIESSER C.	KÅREDAL M.
JOPLIN H.	JUNG J.	KAFA N.	KAMI W.	KANNER R.	KAREKLAS N.
JORDAN A.	JUNG J.	KAFKA S.	KAMIDE Y.	KAN-O K.	KAREN I.
JORDAN A.	JUNG K.	KAGAWA S.	KAMIL A.	KANT A.	KARETSI E.
JORDAN S.	JUNG K.	KAHARA U.	KAMIN W.	KANT S.	KARIMDJANOVA G.
JORDAN X.	JUNG P.	KAHLE-WROBLESKI K.	KAMINSKA T.	KANTAR A.	KARIO E.
JORDANA M.	JUNG S.	KAHN N.	KAMINSKI N.	KAO C.	KARIU T.
JORDÃO PEREZ SANT'ANNA MOTTA T.	JUNG S.	KAHNERT K.	KAMINSKY D.	KAOLOMENIDIS I.	KARJALAINEN J.
JORGE P.	JUNG W.	KAHNT M.	KAMINSKY N.	KAPARIANOS A.	KARKOULIAS K.
JORGE GARCÍA R.	JUNG W.	KAHONEN M.	KAMINUMA O.	KAPELLOS T.	KARL V.
JØRGENSEN E.	JUNG Y.	KAHR V.	KAMIYAMA I.	KAPELLOS T.	KARLOH M.
JØRGENSEN L.	JUNHASAVASDIKUL D.	KAI H.	KAMMERL I.	KAPITANOV K.	KARLS DORF B.
JÖRGER P.	JUNIER P.	KAIMAKAMIS E.	KAMMERLANDER A.	KAPLAN A.	KARLSEN C.
JÖRN B.	JUNKER E.	KAINTH N.	KAMMOUN H.	KAPLAN A.	KARLSEN M.
JÖRRES R.	JURADO A.	KAIRA K.	KAMMOUN I.	KAPOOR N.	KARLSRUD BERG K.
JÖRRES R.	JURADO L.	KAIRAITIS K.	KAMMOUN R.	KAPSALAKIE E.	KARLSSON C.
JOSE R.	JURADO GAMEZ B.	KAIREIT T.	KAMMOUN S.	KAPUGE R.	KARLSSON F.
	JURADO GARCÍA A.	KAISER B.	KAMMOUN S.		
	JUREK M.	KAISER H.			

KARLSSON H.	GUERRERO D.	KELL C.	KERSTEN H.	KHEMAKHEM R.	KIM B.
KARLSSON M.	KAUFMAN E.	KELLEHER P.	KERSTJENS H.	KHEMANI P.	KIM B.
KARLSSON N.	KAUKE T.	KELLER N.	KERSTJENS H.	KHENNOUF K.	KIM B.
KARLSSON SUNDBAUM J.	KAUL S.	KELLEY E.	KERSTJENS H.	KHETAN R.	KIM B.
KARMAKAR S.	KAULAMO J.	KELLGREN L.	KESAVAN H.	KHÉZAMI N.	KIM C.
KARMAKAR S.	KAUPPI P.	KELLOGG D.	KESHTGAR S.	KHEZRAN M.	KIM C.
KARMAUS W.	KAUR H.	KELLY A.	KESKIN O.	KHIL H.	KIM C.
KARMANN B.	KAUR N.	KELLY C.	KESKIN Ö.	KHILZI ALVAREZ K.	KIM C.
KARMAUS W.	KAVALIERATOS D.	KELLY G.	KETATA I.	KHIN A.	KIM C.
KAROLINE MOREIRA BEZERRA S.	KAVANAGH A.	KELLY G.	KETZEL M.	KHIN A.	KIM C.
KARP T.	KAVANAUGH A.	KELLY J.	KEUSCH S.	KHIRANI S.	KIM D.
KARPATHAK S.	KAVATHA D.	KELLY L.	KEVANE B.	KHLAS E.	KIM D.
KARPIEVITCH Y.	KAWADE A.	KELLY M.	KEWIN E.	KHO B.	KIM D.
KARRAMAS T.	KAWAGUCHI T.	KELLY R.	KHA L.	KHO B.	KIM D.
KARRAMASS T.	KAWAHATA K.	KELLY R.	KHABIR A.	KHO S.	KIM D.
KARRASCH S.	KAWAI H.	KELLY S.	KHALDI S.	KHODAMORADI Y.	KIM D.
KARSANJI U.	KAWAKAMI D.	KEMP S.	KHALENKOW D.	KHODOSH E.	KIM E.
KARSDAL M.	KAWAMATA T.	KEMPA A.	KHALEVA E.	KHOO E.	KIM E.
KARTAL Y.	KAWAMATAWONG T.	KEMPA A.	KHALFALLAH N.	KHOO M.	KIM E.
KARTAL ÖZTÜRK G.	KAWAMOTO H.	KEMPA A.	KHALFAOUI L.	KHOO S.	KIM F.
KARTSTEIN H.	KAWANO H.	KEMPENEERS C.	KHALFFALLAH N.	KHOR Y.	KIM G.
KARUNANAYAKE C.	KAWANO K.	KENDALL R.	KHALIFA H.	KHOUAJA I.	KIM G.
KARUNATILLAKE R.	KAWANO M.	KENDZERSKA T.	KHALIL A.	KHOULOU D C.	KIM H.
KARYTINOU M.	KAWANO-DOURADO L.	KENIA P.	KHALIL N.	KHOURI C.	KIM H.
KASACKA I.	KAWASAKI M.	KENIS COSKUN O.	KHALLOUFI F.	KHOURY C.	KIM H.
KASAHARA D.	KAWASAKI Y.	KENN K.	KHAMIS R.	KHROMYKH K.	KIM H.
KASAP F.	KAWATA N.	KENNEDY E.	KHAN A.	KHULE S.	KIM H.
KASHIMA M.	KAWAYAMA T.	KENNEDY L.	KHAN A.	KHUNTI K.	KIM H.
KASIKCI M.	KAYA I.	KENNEDY M.	KHAN B.	KIANZAD A.	KIM H.
KASLER M.	KAYA M.	KENNY S.	KHAN F.	KIAROSTAMI K.	KIM H.
KASMI K.	KAYA M.	KENT B.	KHAN F.	KIBAR AKILLI I.	KIM H.
KASPERS J.	KAYANIYIL S.	KENTEPOZIDOU E.	KHAN G.	KIBBLER J.	KIM H.
KASSIM A.	KAYANUTLU D.	KENTGENS A.	KHAN I.	KIBLER A.	KIM H.
KASSIM A.	KAYE L.	KEOGH S.	KHAN I.	KICIC A.	KIM H.
KASTNER J.	KAYIKCI A.	KEPENЕК-VAROL B.	KHAN J.	KIDA H.	KIM H.
KASUGA K.	KAZEMIZADEH H.	KERAMIDA E.	KHAN K.	KIDDLE S.	KIM H.
KASUYA Y.	KAZEROONI E.	KERBRAT J.	KHAN M.	KIDY F.	KIM I.
KATA A.	KAZMIERSKI J.	KERBRAT S.	KHAN M.	KIELY D.	KIM I.
KATAOKA K.	KCHAOU K.	KERCKHOF P.	KHAN M.	KIENER M.	KIM J.
KATAYAMA K.	KEANE J.	KERCKHOF P.	KHAN M.	KIENINGER E.	KIM J.
KATELARIS C.	KEANE M.	KERCKHOF P.	KHAN N.	KIENS O.	KIM J.
KATIYAR S.	KEANE M.	KERCKHOFFS J.	KHAN P.	KIENTSCH J.	KIM J.
KATO T.	KEARNEY P.	KERE M.	KHAN P.	KIENZL M.	KIM J.
KATOTO P.	KEARY I.	KEREM E.	KHAN S.	KIKHNEY J.	KIM J.
KATRAMADOS I.	KEAVENY A.	KERFOURN A.	KHAN S.	KIKNADZE T.	KIM J.
KATRINE DRASBÆK PHILIPSEN L.	KEBEDE MERID S.	KERGET B.	KHAN S.	KILANOWSKI A.	KIM J.
KATSANDRI A.	KECSKÉS S.	KERJOUAN M.	KHAN T.	KILDUFF J.	KIM J.
KATSANTONIS A.	KEDWANY A.	KERKHOF M.	KHAN T.	KILIC B.	KIM J.
KATSAOUNOU P.	KEELEY T.	KERKHOFF J.	KHAN Z.	KILIÇ G.	KIM J.
KATSARAS M.	KEENAN N.	KERKHOFF T.	KHANAL A.	KILIÇ K.	KIM J.
KATSAROU M.	KEENE S.	KERLEY S.	KHANIN A.	KILIC L.	KIM J.
KATSOULIS K.	KEEVIL B.	KERN A.	KHANIN A.	KILIÇ M.	KIM J.
KATSOULOTOS G.	KEGODE E.	KERN B.	KHANNA N.	KILIÇ BASKAN A.	KIM J.
KATSUMATA M.	KEHOE B.	KERN L.	KHANNOUS A.	KILICKAP S.	KIM K.
KATSURA H.	KEIR G.	KERPЕL-FRONIUS A.	KHANNOUS A.	KILINÇ A.	KIM K.
KATZ J.	KEIR H.	KERR P.	KHANUM H.	KILINC O.	KIM K.
KATZ S.	KEIR H.	KERR S.	KHAPEDI A.	KILINC SAKALLI A.	KIM K.
KAUCZOR H.	KEIR H.	KERSH O.	KHARRAT I.	KILK K.	KIM K.
KAUFFMANN-	KEKEÇ H.	KERSHAW M.	KHATTAB A.	KILLIAN K.	KIM K.
	KELER S.	KERSTEN A.	KHEDHRI M.	KIM A.	KIM M.
		KERSTEN E.	KHEDOE P.	KIM B.	KIM M.

KIM M.	KING G.	KLARLUND PEDERSEN B.	KOBBERNAGEL H.	KOLEVA MANDADZHIEVA S.	KONYER N.
KIM M.	KING J.	KLASS M.	KOBLIZEK V.	KOLILEKAS L.	KOO H.
KIM M.	KING K.	KLASSERT T.	KOCA AKDEVE H.	KOLJENOVIC S.	KOO K.
KIM M.	KING L.	KLAUSNER M.	KOCA KALKAN I.	KOLLER M.	KOO M.
KIM M.	KING M.	KLÄY A.	KOCAAGA E.	KOLMERT J.	KOOISTRA W.
KIM M.	KINGDOM L.	KLEIN D.	KOCAKAYA D.	KOŁODZIEJSKI P.	KOOK RHEE C.
KIM N.	KINGMA P.	KLEIN D.	KOCAMAZ D.	KOLOKO NGASSIE M.	KOOPMAN L.
KIM N.	KINJO T.	KLEIN J.	KOCH R.	KOLOSIONEK E.	KOPEC G.
KIM R.	KINNERSLEY N.	KLEINHENDLER E.	KOCH S.	KOLOZSVARI D.	KOPECKY M.
KIM S.	KINNI P.	KLEMMER T.	KOCH S.	KOLPEN M.	KOPIŃSKI P.
KIM S.	KINOSHITA T.	KLENERMAN P.	KOCH RYRSØ C.	KOLSTAD H.	KOPITOVIC I.
KIM S.	KINSELLA E.	KLENK J.	KOCHAR R.	KOLTAI H.	KOPP B.
KIM S.	KIPER N.	KLEPETKO W.	KOCHAR S.	KOLTSIDA G.	KOPP B.
KIM S.	KIPOUROU M.	KLEVEBRO S.	KOCHAR S.	KOLTSIDA O.	KOPP M.
KIM S.	KIRACI B.	KLIJN P.	KOCHOVSKA S.	KOMARZYNSKI S.	KOPPELMAN G.
KIM S.	KIRAKLI C.	KLIMEK L.	KOCIANOVA J.	KOMATSU M.	KOPPELMAN G.
KIM S.	KIRAN S.	KLIMOVIC S.	KOCKS J.	KOMIYA K.	KÖPRÜLÜOĞLU M.
KIM S.	KIRBY M.	KLITGAARD A.	KOCKS J.	KOMNINOS D.	KORANTENG J.
KIM S.	KIRDLARP S.	KLOK F.	KOCKS J.	KOMNINOS D.	KORASIDIS S.
KIM S.	KIRIA N.	KLOK F.	KOCOŃ P.	KOMORI M.	KORATALA A.
KIM S.	KIRIA N.	KLOK R.	KOCOURKOVA L.	KON O.	KORENIN K.
KIM S.	KIRIEIEVA T.	KLONT F.	KOCOVA E.	KON S.	KOREVAAR D.
KIM S.	KIRK A.	KLOOSTER K.	KOČWIN M.	KONDA S.	KORFEI M.
KIM S.	KIRKBY N.	KLOPP-SAVINO S.	KOCZULLA A.	KONDOH Y.	KORFF G.
KIM S.	KIRKLAND J.	KLOS K.	KOCZULLA R.	KONDYLIS A.	KORKMAZ EKREN P.
KIM S.	KIRKNESS J.	KLOSE H.	KODAXAKIS A.	KONG A.	KORN S.
KIM T.	KIRKWOOD R.	KLOSSOWSKI S.	KODDE C.	KONG A.	KORNELIUSZ G.
KIM T.	KIRSTEN A.	KLOTZ L.	KODRIC M.	KONGE L.	KOROŠEC P.
KIM T.	KIRSTEN H.	KLUG D.	KOEFOED H.	KONGERUD J.	KOROTYCH O.
KIM T.	KIRTON L.	KLUG T.	KOEGELENERG C.	KONGPOLPROM N.	KORPPI M.
KIM T.	KIRVASILI S.	KLUYTMANS J.	KOEHNCKE N.	KONIETZKE P.	KORSAH P.
KIM W.	KIRWAN D.	KLYMENKO O.	KOENIG C.	KÖNIG P.	KORSBÆK N.
KIM W.	KIRYCHUK S.	KNAPCZYK A.	KOENIG J.	KONIGSBERG I.	KORŠIĆ M.
KIM Y.	KISELINOVA M.	KNASZ A.	KOENIGSHOFF M.	KÖNIGSHOFF M.	KORSÓS A.
KIM Y.	KISHABA T.	KNEIDINGER N.	KOERNER-RETTBERG C.	KONING F.	KORSUN L.
KIM Y.	KISHIHATA M.	KNENI J.	KOETHER V.	KONINGS K.	KORTA-MURUA J.
KIM Y.	KISHIMOTO T.	KNETKI-WROBLEWSKA M.	KOFOD L.	KONITSOTIS A.	KORTAS M.
KIM Y.	KISS Z.	KNIGHT D.	KOGA Y.	KONKEL J.	KORTEN I.
KIM Y.	KISTEMAKER L.	KNIGHT M.	KOGURE Y.	KONNO S.	KORUL F.
KIM Y.	KITAGAWA C.	KNIGHT S.	KOH J.	KONOMI Y.	KORZENIEWSKA-KOSELA M.
KIM Y.	KITAJIMA R.	NOBLOCH J.	KOH M.	KONOPKA K.	KORZH G.
KIM Y.	KITAMURA A.	KNÖPFEL G.	KOH Y.	KONOPKINA L.	KORZH N.
KIM Y.	KITAMURA H.	KNOSALLA C.	KOHLBRENNER D.	KONOPKINA L.	KORZH N.
KIM Y.	KITAMURA N.	KNOTT K.	KÖHLER J.	KONRADSEN J.	KOS R.
KIM Y.	KITASATO Y.	KNOTT K.	KÖHLER M.	KONRADSEN J.	KOS V.
KIM Y.	KITOV S.	KNOWLES R.	KÖHLER U.	KONSTADINIDOU M.	KOSCHEL D.
KIM Y.	KIU LO P.	KNOX D.	KOITKA S.	KONSTAN M.	KÖSE M.
KIMBERLEY H.	KIUCHI M.	KNOX-BROWN B.	KOJIMA M.	KONSTANTINIDIS A.	KOSHIMIZU N.
KIMMOUN A.	KIVISTÖ J.	KNUDSEN K.	KOJONAZAROV B.	KONSTANTINIDIS M.	KOSHY S.
KIMOTO Y.	KIYAN E.	KNUDSEN K.	KOKELJ S.	KONSTANTINOU T.	KOSKAS M.
KIMPARA K.	KIYMAÇ SARI M.	KNUDSEN L.	KOKHODZE R.	KONSTANTYNOVSKA O.	KOSKELA H.
KIMURA G.	KIYOTA T.	KO B.	KOKKOTOU E.	KONTAXAKIS A.	KOSKELA J.
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KIMURA T.	KIZILIRMAK D.	KO F.	KOKTURK N.	KONTOGIANNI C.	KOŠNIK M.
KIMURA T.	KJÆR POULSEN M.	KO F.	KOLADE Y.	KONTOGIANNI K.	KOSSACK N.
KIMURA T.	KJÆRGAARD KLEIN D.	KO F.	KOLAHIAN S.	KONTONASIOU G.	KOSSYVAKI V.
KINCHIN I.	KJÆRSGAARD HANSEN S.	KO P.	KOLB M.	KONTOU P.	KOSTADINOVA V.
KINDT A.	KJARSGAARD M.	KO Y.	KOLBE J.	KONUK S.	KOSTAKIS I.
KING C.	KKADDOUR AYEDI A.	KOBAYASHI K.	KOLE T.	KONYALIHATIPOĞLU E.	KOSTANTINIDOU E.
KING C.	KLARENBECK A.	KOBAYASHI T.			KOSTANYAN L.
KING D.					KOSTEN T.

KOSTER C.	KOVCHUN V.	KROG N.	KULCIŢKAIA S.	KURSAWE L.	L MATTE D.
KOSTER T.	KOWLESSUR S.	KRÖGER J.	KULIROVA M.	KURUKULAARATCHY R.	L. CAVALLERI G.
KOSTERELI E.	KOYAMA A.	KROGH-MADSEN R.	KULKARNI T.	KURUL I.	L. MAROTT J.
KOSTI C.	KOYAMA K.	KROMANN LUND T.	KULKARNI V.	KUSABA Y.	LA GRUTTA S.
KOSTIANEV S.	KOYAMA K.	KROMHOUT H.	KULL I.	KUSHWAHA A.	LA MENSA A.
KOSTIKAS K.	KOZHAMKULOV U.	KROMMIDAS G.	KULLBERG L.	KUSHWAHA R.	LA REGINA D.
KOSTITSKA I.	KOZIAR-VASAKOVA M.	KROMPA A.	KULLBERG S.	KUSS P.	LA REGINA D.
KOSTOVA P.	KOZŁOWSKA H.	KRONBERGER C.	KULYNYCH-MISKIV M.	KUSS S.	LA ROCCA M.
KOSZUTSKI M.	KOZMA E.	KRONBORG-WHITE S.	KUM E.	KUSTER S.	LA ROSA C.
KOTAK P.	KOZU R.	KRONIG F.	KUMANOGOH A.	KUŠTRIMOVIĆ N.	LA ROVERE M.
KOTALIK A.	KRAEMER R.	KRONSBELN J.	KUMAR A.	KUTSCHENREUTER J.	LAADHAR L.
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KOTHE H.	KRAGSBERGER R.	KROUSKOS A.	KUMAR A.	KUTTLER K.	LABARCA G.
KOTOULAS S.	KRAKOWIAK K.	KRPINA K.	KUMAR L.	KUWALAIRAT P.	LABARCA G.
KOTOULAS S.	KRALL C.	KRUDYS P.	KUMAR M.	KUWANA M.	LABATE L.
KOTOULAS S.	KRAMER M.	KRUG K.	KUMAR N.	KUWANO K.	LABBE V.
KOTOWSKI T.	KRAMER M.	KRUG N.	KUMAR N.	KUYERS D.	LABOURET G.
KOTS M.	KRAMER M.	KRUGER N.	KUMAR N.	KUZUNISHI Y.	LABROUCHE-COLOMER S.
KOTSAMIDI I.	KRÄMER S.	KRÜGER R.	KUMAR R.	KVALE G.	LACÁRCEL BAUTISTA C.
KOTSIUO O.	KRAMER T.	KRUISSSELBRINK R.	KUMAR S.	KVANDE M.	LACAZE I.
KOTSIUO R.	KRANEVELD A.	KRUIITHOF-DE JULIO M.	KUMAR S.	KWAK N.	LACEDONIA D.
KOTSIOUS O.	KRASNODEMBSKAYA A.	KRUPKA E.	KUMAR S.	KWAK S.	LACERDA C.
KOTSIOUS R.	KRASNOVA T.	KRYKHTINA M.	KUMAR V.	KWAKKEL-VAN-ERP J.	LACHAND R.
KOTUR STEVULJEVIC J.	KRASTEVA R.	KRYMSKAYA V.	KUMAR SRIVASTAV A.	KWANT C.	LACHKAR S.
KOTZ M.	KRAUSE A.	KRYVENKO V.	KUMARI N.	KWAPISZEWSKA G.	LACHMANN N.
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KOTZE T.	KRAUSS E.	KU S.	KUNA P.	KWASS H.	LACINA L.
KOUIDI E.	KRAUSS-ETSCHMANN S.	KUANG J.	KUNASEELAN 4.	KWEE A.	LACOLLEY P.
KOUI S P.	KRAVCHENKO E.	KUBAT B.	KUNDER S.	KWEE A.	LACOMA A.
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KOUKAKI E.	KREBS T.	KUBO S.	KUNISHIGE H.	KWIECIEŃ I.	LACROIX J.
KOUKIDOU S.	KREIPE H.	KUBO T.	KUNST H.	KWIECIEŃ P.	LACUESTA G.
KOUL P.	KREIPE H.	KUCHAR E.	KUNST P.	KWOK W.	LACUT K.
KOUL P.	KRENKE K.	KUCHERENKO M.	KUNST P.	KWON B.	LACY P.
KOULLE A.	KRENKE R.	KUCK A.	KÜNSTLE N.	KWON H.	LADAUARADE A.
KOULOPOULOU M.	KRENKE R.	KUDO K.	KUN-SZABÓ F.	KWON H.	LADHARI N.
KOULOURIS N.	KRESS S.	KUDO M.	KUNT N.	KWON O.	LADIAS A.
KOULOUSOUSA E.	KREUTER M.	KUE J.	KUNT UZASLAN E.	KWON O.	LADOMIRSKA J.
KOULOUSOUSA I.	KRICKER J.	KUEBLER W.	KUO F.	KWON Y.	LADOR F.
KOUMANTAKIS G.	KRIEGSMANN K.	KUEHL P.	KUO H.	KWON Y.	LADRERA G.
KOUMANTAKIS G.	KRIGER O.	KUEHNEL M.	KUO J.	KWUSHUE F.	LAEMMLE B.
KOURANOS V.	KRISHMURTHY S.	KUEHNI C.	KUO L.	KYI M.	LAENDER F.
KOURANOS V.	KRISHNA T.	KUEHNI C.	KUO P.	KYNØ N.	LAERTE BOECHAT J.
KOURELEA S.	KRISHNAN A.	KUEHNI C.	KUO Y.	KYRELTSI P.	LAFFERTY M.
KOUSLIS J.	KRISHNAN J.	KUENG C.	KUO Y.	KYRIACOU A.	LAFFEY J.
KOUTLAS A.	KRISHNAN J.	KUFA J.	KUP K.	KYRIAKOPOULOS C.	LAGACHE L.
KOUTRAKIS P.	KRISHNAN S.	KUHN H.	KUPCINSKAS J.	KYRIAKOPOULOS C.	LAGADIC-GOSSMANN D.
KOUTSOKERA A.	KRISHNMURTHY S.	KUHN M.	KUPCZYK M.	KYRIAKOPOULOU M.	LAGOWALA A.
KOUTSOUKOU A.	KRISTENSEN A.	KÜHNEL M.	KUPPE A.	KYRIAKOU F.	LÄHELMÄ S.
KOUYAMA S.	KRISTENSEN L.	KÜHNEL M.	KURAKULA K.	KYRIAKOUDI A.	LAHMAR M.
KOVAČEVIĆ D.	KRISTENSEN M.	KUIJVENHOVEN J.	KURAN ASLAN G.	KYRITSIS I.	LAHOUSSE L.
KOVACEVIC D.	KRISTENSEN P.	KUIPER K.	KURIAN L.	KYRVASILLIS F.	LAHUERTA M.
KOVACEVIC I.	KRISTENSON K.	KUIPER - VAN DER VALK H.	KURIHARA M.	KYU S.	LAI C.
KOVACEVIC T.	KRISTENSSON C.	KUJA-HALKOLA R.	KURIHARA Y.	KYU YEAN K.	LAI C.
KOVACS G.	KRITCHEVSKY S.	KUKS P.	KURMI O.	KYUCHUKOV N.	LAI E.
KOVÁCS T.	KRITIKAKI E.	KUL M.	KURODA M.	KYVSGAARD J.	LAI H.
KOVACS Z.	KRITZINGER F.	KULAR R.	KUROHASHI S.	L	LAI K.
KOVAL D.	KRIVEC U.	KULARATNE M.	KURONUMA K.	L JOHNSTON S.	
KOVATS Z.	KROES J.	KULASEKARAN A.			
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LAI L.	LANDINI N.	LARCHÉ M.	LAUTENSCHLAGER N.	LE MOUAL N.	LEE H.
LAI S.	LANDO V.	LARENAS-LINNEMANN D.	LAUTERIO M.	LE NAOURES C.	LEE H.
LAI Y.	LANDONI V.	LARRATEGUY L.	LAUTSCH D.	LE ROUX J.	LEE H.
LAI Y.	LANDS L.	LARRATEGUY S.	LAUWERS E.	LE ROUZIC O.	LEE H.
LAIKITMONGKHON J.	LANDS L.	LARROSA BARRERO R.	LAVERGNE F.	LE RÜTTE T.	LEE H.
LAINEY E.	LANDT E.	LARROSA JIMÉNEZ R.	LAVERGNE F.	LE SOUEF P.	LEE H.
LAING A.	LANDT E.	LARROUTURE I.	LAVERTY A.	LE VOYER T.	LEE H.
LAING I.	LANDTHALER M.	LARRY H.	LAVEY J.	LEA S.	LEE I.
LAITINEN S.	LANE N.	LARSEN K.	LAVIN B.	LEACHE L.	LEE J.
LAJUNEN T.	LANE T.	LARSEN L.	LAVIÑA SORIANO E.	LEACY E.	LEE J.
LAKE P.	LANFRANCHI F.	LARSEN M.	LAVINE E.	LEACY E.	LEE J.
LAKER B.	LANG D.	LARSEN T.	LAVIOLETTE M.	LEAL J.	LEE J.
LAKHANI J.	LANG I.	LARSON P.	LAVIZZARI A.	LEAL L.	LEE J.
LAL A.	LANG I.	LARSSON C.	LAVOIE G.	LEAL L.	LEE J.
LAL A.	LANG N.	LARSSON M.	LAVON B.	LEAL GARCÍA M.	LEE J.
LALANI M.	LANG N.	LARSSON CALLERFELT A.	LAVORINI F.	LEAVY O.	LEE J.
LALANI M.	LANGBALLE E.	LARSSON CALLERFELT A.	LAW F.	LEAVY O.	LEE J.
LALCHANDANI J.	LANGE C.	LARSSON CALLERFELT A.	LAW W.	LEBRASSEUR N.	LEE J.
LALIC N.	LANGE C.	LARSSON CALLERFELT A.	LAW-GLEEN S.	LEBRET M.	LEE J.
LALIC CICKOVIC I.	LANGE J.	LARSSON CALLERFELT A.	LAWRENCE A.	LECCA R.	LEE J.
LALMOLDA PUYOL C.	LANGE P.	LAS HERAS M.	LAWRENCE P.	LECCI A.	LEE J.
LALVANI A.	LANGE T.	LASK C.	LAWS A.	LECCISOTTI R.	LEE J.
LALWANI L.	LANGE T.	LASKY J.	LAWS E.	LECHARTIER B.	LEE J.
LALWANI S.	LANGE T.	LASKY-SU J.	LAWSON A.	LECHNER A.	LEE J.
LAM C.	LANGER D.	LASON W.	LAWSON C.	LECHOWICZ U.	LEE J.
LAM D.	LÄNGER F.	L'ASSAINATO S.	LAWSON K.	LECLAIR-VISONNEAU L.	LEE J.
LAM G.	LANGERMAN H.	LASSEN C.	LAYEK A.	LECOCQ M.	LEE J.
LAM G.	LANGERUD A.	LASSI G.	LAYTON M.	LECONTE T.	LEE K.
LAM S.	LANGFORT R.	LASZKOWSKI J.	LÁZÁR Z.	LEDANOIS O.	LEE K.
LAM T.	LANGHAMMER A.	LATHAM J.	LAZARINIS N.	LEDERER C.	LEE K.
LAM W.	LANGHOFF THUESEN L.	LATIF ESSA I.	LÁZARO L.	LEDERER D.	LEE K.
LAM Y.	LANGLAIS P.	LATIMER L.	LÁZARO L.	LEDERLIN M.	LEE K.
LAMB A.	LANGLEY R.	LATINI L.	LÁZARO Y DE MERCADO P.	LEDERMÜLLER R.	LEE K.
LAMB D.	LANGLOIS C.	LATORRE I.	LAZARUS A.	LEDESMA RUIZ C.	LEE L.
LAMBERT G.	LANGLOTZ C.	LATRASSE M.	LAZARUS H.	LEDFORD J.	LEE L.
LAMBERT J.	LANGTON D.	LATSHANG T.	LAZNER M.	LEDGER T.	LEE M.
LAMBERTUCCI R.	LANGWIŃSKI W.	LATSIOS D.	LAZOVIC B.	LE-DONG N.	LEE M.
LAMBINET F.	LANKS C.	LÄTTI A.	LAZREG N.	LEE 2.	LEE M.
LAMBIRI I.	LANOUILLE S.	LATZIN P.	LAZZARA V.	LEE 5.	LEE M.
LAMBRAKI E.	LANOY E.	LAU A.	LAZZARONI G.	LEE A.	LEE M.
LAMBRECHT B.	LANTERI C.	LAU C.	LE A.	LEE A.	LEE M.
LAMBRECHT B.	LANTTO J.	LAU C.	LE T.	LEE A.	LEE R.
LAMI V.	LANTZ A.	LAU D.	LE T.	LEE B.	LEE S.
LAMIA B.	LANZ I.	LAU L.	LE T.	LEE B.	LEE S.
LAMOTE K.	LANZA MARTÍNEZ Á.	LAUCHO-CONTRERAS M.	LE BER C.	LEE B.	LEE S.
LAMOTHE P.	LANZARONE N.	LAUGSCH M.	LE BORGNE A.	LEE B.	LEE S.
LAMPADAKIS S.	LANZI P.	LAUHKONEN E.	LE BOUAR G.	LEE B.	LEE S.
LAMPOU M.	LANZILLO A.	LAUKS S.	LE BRUN M.	LEE C.	LEE S.
LAMPRECHT B.	LAO J.	LAUMONNIER Y.	LE CHENG P.	LEE C.	LEE S.
LAMPROPOULOS I.	LAO M.	LAUNAY D.	LE CLAINCHE VIALA L.	LEE C.	LEE S.
LAMY E.	LAOR A.	LAUNOIS C.	LE GAL G.	LEE D.	LEE S.
LAN A.	LAOUAN SIDI E.	LAUNOIS S.	LE GUELLEC S.	LEE D.	LEE S.
LAN J.	LAPEBIE F.	LAURENT P.	LE GUEN P.	LEE D.	LEE S.
LANANI K.	LAPORTA R.	LAURIDSEN M.	LE GUILLOU F.	LEE D.	LEE S.
LANARIO J.	LAPORTA HERNANDEZ R.	LAURINO L.	LE GUILLOU Y.	LEE E.	LEE S.
LANCASTER L.	LAPPERRE T.	LAURITS T.	LE LIEPVRE S.	LEE E.	LEE S.
LANCELLOTTI D.	LAPPERRE T.	LAURSEN C.	LE LIEVRE C.	LEE E.	LEE S.
LANCLUS M.	LAPSHYN V.	LAURSEN C.	LE MAO R.	LEE E.	LEE S.
LANDEKIC M.	LARATTA C.	LAUS A.	LE MOIGNE E.	LEE E.	LEE S.
LANDETA M.	LARBY J.	LAUSTRUP L.		LEE F.	LEE S.
LANDETE RODRÍGUEZ P.					

LEE S.	LEITZ D.	LEUNG T.	LI Q.	LICKLITER J.	LIN T.
LEE S.	LEKKA C.	LEUPPI J.	LI Q.	LICKSKAI C.	LIN V.
LEE S.	LELEU H.	LEUPPI J.	LI S.	LIDDISCOAT H.	LIN X.
LEE S.	LELEU O.	LEUPPI J.	LI S.	LIDWINE W.	LIN Y.
LEE S.	LELII M.	LEUPPI-TAEGTMEYER A.	LI S.	LIEBERS U.	LIN Y.
LEE S.	LELLI L.	LEURS A.	LI S.	LIENDO MARTÍNEZ K.	LIN Y.
LEE S.	LEMAHIEU A.	LEUSCHNER G.	LI S.	LIEW F.	LINARES S.
LEE S.	LEMARIÉ C.	LEUZINGER K.	LI T.	LIEW S.	LIND H.
LEE T.	LEMA-VARELA L.	LEV V.	LI V.	LIFAR P.	LIND M.
LEE T.	LEMAY S.	LEVACIC G.	LI W.	LIGO C.	LINDBERG A.
LEE V.	LEME A.	LEVERINGTON V.	LI W.	LIHU A.	LINDBERG A.
LEE W.	LEMES-CASTELLANO A.	LEVINE A.	LI W.	LIIRA H.	LINDBERG E.
LEE Y.	LEMES-CATELLANO A.	LEVINE H.	LI W.	LIKIĆ R.	LINDBERG P.
LEE Y.	LEMIÈRE C.	LEVIN M.	LI W.	LILAH M.	LINDBLAD U.
LEE Y.	LEMME F.	LEVOUNETS A.	LI X.	LILEY J.	LINDE K.
LEE Y.	LEMONARIS M.	LEVRA S.	LI X.	LILJA SECHER E.	LINDEBOOM* R.
LEE Y.	LEMONS J.	LEVY B.	LI X.	LILLEBAEK T.	LINDEGAARD B.
LEE Y.	LEMONS L.	LEVY G.	LI X.	LILLEY A.	LINDELL K.
LEE Y.	LENCZEWSKA M.	LEVY L.	LI X.	LILLIECRONA J.	LINDER N.
LEE Y.	LENFERINK A.	LEVY M.	LI X.	LILLO GONZÁLEZ E.	LINDER R.
LEE Y.	LENTA E.	LEVY P.	LI X.	LIM A.	LINDERS P.
LEE Y.	LENTJES C.	LEVY Y.	LI Y.	LIM B.	LINDGREN R.
LEE Y.	LENZINI G.	LEVY Y.	LI Y.	LIM C.	LINDHOLM P.
LEELAYUWATANAKU L N.	LENZOTTI A.	LEVY NAÓN A.	LI Y.	LIM C.	LINDNER J.
LEEMING D.	LEÓN JIMÉNEZ A.	LEVY-SAAR I.	LI Y.	LIM E.	LINDÖ C.
LEEMING D.	LEONARD C.	LEW S.	LI Y.	LIM H.	LINDQVIST A.
LEEMING D.	LEONARD E.	LEW B.	LI Y.	LIM J.	LINDSAY M.
LEENA R.	LEONARD T.	LEWIS G.	LI Y.	LIM L.	LINDSLEY A.
LEES N.	LEONARD T.	LEWIS S.	LI Z.	LIM M.	LINDSLEY A.
LEE-SARWAR K.	LEONARDI G.	LEWIS S.	LI Z.	LIM R.	LINDSTEDT S.
LEFEBVRE É.	LEONARDI N.	LEWKOWICH I.	LI Z.	LIM S.	LINDSTRÖM F.
LEFEBVRE G.	LEONARDO G.	LEWTHWAITE H.	LIA A.	LIM S.	LINDSTRÖM I.
LEFEBVRE P.	LEONG I.	LEY D.	LIAGKA N.	LIM W.	LINES S.
LEGARRETA G.	LEONG H.	LEYNAERT B.	LIAGKAKI M.	LIM Y.	LING K.
LEGEBEKE J.	LEONG K.	LEYNAUD D.	LIAM C.	LIM Y.	LINKE K.
LEGENDRE M.	LEONG P.	LEYVA A.	LIAM C.	LIMA F.	LINNEBERG A.
LEGER P.	LEONG T.	LI A.	LIANG C.	LIMA F.	LINO P.
LEGODEC J.	LEÓNIDAS ALVES-JR J.	LI A.	LIANG L.	LIMA R.	LINZ D.
LEGTENBERG R.	LEONOVA E.	LI A.	LIANG S.	LIMA CABRAL FAGUNDES M.	LIONEL B.
LEHALLE C.	LEOW W.	LI C.	LIANG W.	LIMA VAZQUEZ F.	LIONELLO F.
LEHMANN M.	LEPAGE B.	LI D.	LIANG W.	LIMA VIEIRA G.	LIONETTI A.
LEHMANN S.	LEPEJ D.	LI D.	LIANG X.	LIMNANDER A.	LIOTINO V.
LEHNEN N.	LEPORE G.	LI D.	LIANG Z.	LIMPER A.	LILOUMPAS D.
LEHRBAUM F.	LEPORINI M.	LI F.	LIANG Z.	LIMPIN M.	LIP G.
LEHTIMÄKI J.	LERDA S.	LI G.	LIANG PENG C.	LIN C.	LIPCHIK R.
LEHTIMÄKI L.	LEROY M.	LI H.	LIAO G.	LIN C.	LIPMAN M.
LEHTINEN M.	LEROYER C.	LI H.	LIAO H.	LIN C.	LIPSON D.
LEHTOLA K.	LESAGA LÓPEZ E.	LI H.	LIAO P.	LIN H.	LIPTROTT N.
LEI J.	LESKÓ-JANCSÓ V.	LI J.	LIAO W.	LIN H.	LISA P.
LEIBER L.	LESNIC E.	LI J.	LIAO W.	LIN H.	LISANTI R.
LEIBOVITZ E.	LESTER S.	LI J.	LIAO Y.	LIN H.	LISCHKE R.
LEICK E.	LETASIOVA S.	LI J.	LIAPIKOU A.	LIN J.	LISCINSCAIA C.
LEIGH M.	LETH S.	LI J.	LIAPIKOU A.	LIN J.	LISIK D.
LEILA A.	LETTIERI S.	LI L.	LIBERGE R.	LIN J.	LISSPERS K.
LEILA B.	LEUCKFELD I.	LI L.	LIBRA A.	LIN J.	LISTA PAZ A.
LEITE C.	LEUNG A.	LI M.	LICARDI A.	LIN L.	LISTA-PAZ A.
LEITE G.	LEUNG G.	LI M.	LICARI A.	LIN L.	LITON A.
LEITE-MOREIRA A.	LEUNG J.	LI N.	LICHT A.	LIN L.	LIT M.
LEITE-MOREIRA A.	LEUNG J.	LI N.	LICHT B.	LIN M.	LITKE N.
LEITL D.	LEUNG S.	LIP P.	LICHTBLAU M.	LIN R.	LITONJUA A.
		LIP P.	LICHTENSTEIN P.	LIN S.	LITSCHAUER B.
				LIN S.	

LITTLE F.	LLOYD C.	LOMBARDI E.	LÓPEZ MONZONI S.	LOUCKS C.	LUCZKA E.
LITTLE* J.	LLUCH BISBAL A.	LOMBARDI F.	LÓPEZ PADILLA D.	LOUDON A.	LUDLOW S.
LIU C.	LLUCH TORTAJADA I.	LOMBARDINI M.	LÓPEZ PADILLA D.	LOUGH G.	LUDVIGSSON J.
LIU D.	LLUCIÀ-	LOMBI A.	LÓPEZ PAVÍA C.	LOUGHEED D.	LUDWIG H.
LIU G.	VALLDEPERAS A.	LOMMATZSCH M.	LOPEZ PERAL D.	LOUGHEED M.	LUECKEN M.
LIU G.	LLUIS H.	LÖNDAHL J.	LOPEZ RAMON R.	LOUHAICHI S.	LUGOGO N.
LIU H.	LLUNELL	LONDNER C.	LOPEZ RUZ S.	LOUIE A.	LUGOGO N.
LIU H.	CASANOVAS A.	LONDON S.	LOPEZ SAIZ G.	LOUIS B.	LUI 7.
LIU H.	LO D.	LONE N.	LÓPEZ SEGUÍ F.	LOUIS G.	LUI G.
LIU H.	LO J.	LONERGAN T.	LÓPEZ VILARÓ L.	LOUIS R.	LUI R.
LIU J.	LO L.	LONG D.	LÓPEZ ZAMORA M.	LOUISE TITLESTAD I.	LUIJK B.
LIU J.	LO R.	LONG F.	LÓPEZ-ALADID R.	LOUKERI A.	LUÍS F.
LIU J.	LO GIUDICE F.	LONG M.	LÓPEZ-ALONSO I.	LOUKIDES S.	LUIS HERCILLA V.
LIU J.	LO IACONO G.	LONG M.	LOPEZ-CAMPOS J.	LOUKIDES S.	LUIS SÁNCHEZ
LIU L.	LO MUZIO G.	LONG M.	LOPEZ-CAMPOS	LOUMAN S.	RAMOS J.
LIU L.	LO NANO V.	LONG M.	BODINEAU J.	LOUREIRO C.	LUISI F.
LIU L.	LOBB I.	LONG P.	LÓPEZ-CARO J.	LOURENÇO A.	LUIZ J.
LIU M.	LØBERG E.	LONGARÓN R.	LÓPEZ-CERVANTES J.	LOURENÇO DA	LUJÁN TORNÉ M.
LIU M.	LOBIER M.	Longbottom H.	LÓPEZ-COLLAZO E.	CONCEIÇÃO C.	LUK M.
LIU M.	LOBO L.	LONGCROFT-HARRIS	LÓPEZ-COTARELO P.	LOURO D.	LUKIĆ FRANOLIĆ I.
LIU M.	LOBO S.	B.	LÓPEZ-LISBONA R.	LOUVARIS Z.	Ł
LIU N.	LOCATELLI F.	LONGO C.	LÓPEZ-MARTÍNEZ A.	LOUVRIER C.	ŁUKOMSKA A.
LIU P.	LOCHORO P.	LONGO F.	LÓPEZ-MARTÍNEZ C.	LOUW S.	L
LIU P.	LOCK C.	LONGO V.	LÓPEZ-MEJÍAS R.	LOUZIR B.	LUKOSEVICIUS R.
LIU Q.	LOCK JOHANSSON S.	LONGOBARDI S.	LÓPEZ-MESEGUER M.	LOVE C.	LUKS V.
LIU R.	LOCOCO S.	LONGONI A.	LÓPEZ-MUÑIZ B.	LOVRIĆ T.	LULAJ E.
LIU R.	LOCOROTONDO C.	LØNNEBOTN M.	LOPEZ-MUÑIZ	LOW S.	LUM J.
LIU S.	LODGE C.	LOOI K.	BALLESTEROS B.	LOW S.	LUMJIAKTASE P.
LIU S.	LODGE C.	LOONG Y.	LOPEZ-RIDAURA R.	LOW T.	LUN C.
LIU T.	LOEBINGER M.	LOOR K.	LOPEZ-RODRIGUEZ E.	LOWE A.	LUNA CRUZ M.
LIU W.	LOEBINGER M.	LOOR REYES K.	LOPEZ-RUZ S.	LOWE L.	LUNA-LOPEZ F.
LIU X.	LOEBINGER M.	LOPES A.	LOPEZ-SANCHEZ M.	LOWE S.	LUNARDI A.
LIU Y.	LOEBINGER M.	LOPES C.	LOPEZ-SILVARREY A.	LOWERS J.	LUNARDI A.
LIU Y.	LOEBINGER M.	LOPES F.	LÓPEZ-VIZCAÍNO E.	LOWMAN G.	LUNARDI A.
LIU Y.	LOEBINGER M.	LOPES F.	LOPRIORE E.	LOWNDES L.	LUND T.
LIU Y.	LOEFFLER-RAGG J.	LOPES CALVO	LORD J.	LOWRIE R.	LUNDBÄCK M.
LIU Y.	LOEHR L.	TIBÉRIO I.	LORD J.	LOZANO J.	LUNDBERG B.
LIVANOU M.	LOEKABINO J.	LOPES PIRES M.	LORD R.	LOZANO CUESTA P.	LUNDELL S.
LIVERAKOU E.	LOERCH S.	LOPEZ C.	LORDAN J.	LOZANO PERAL D.	LUNDHOLM C.
LIVERKO I.	LÖFBERG L.	LÓPEZ F.	LORDAN J.	LOZA-VÁZQUEZ A.	LUNDKVIST JOSENBY
LIVESEY A.	LÖFDAHL A.	LÓPEZ F.	LORDAN J.	LU D.	A.
LIVIERO F.	LOFFLER K.	LÓPEZ J.	LORÈ N.	LU D.	LUNDKVIST-JOSENBY
LIVINGSTON J.	LOFT S.	LOPEZ M.	LORE' N.	LU M.	A.
LIVINGSTON R.	LOFTAGER A.	LÓPEZ M.	LORENA M.	LU S.	LUNDQUIST A.
LIVNAT G.	LOGAN A.	LOPEZ M.	LORENT N.	LU T.	LÜNING S.
LIVSHITS L.	LOGES S.	LOPEZ R.	LORENTE J.	LU W.	LUNN E.
LJILJA POSAVEC A.	LOH 1.	LOPEZ R.	LORENTE-BALANZA J.	LU X.	LUNZ D.
LJUBICIC D.	LOH T.	LOPEZ R.	LORENZI P.	LU Y.	LUO F.
LJUNGGREN G.	LOHMAN HAGA, PER	LÓPEZ ALADID R.	LORENZI-FILHO G.	LU Z.	LUO F.
LJUNGGREN M.	LARSSON, SPELA	LOPEZ DE ANDRES A.	LORILLON G.	LUBNOW M.	LUO J.
LJUNGGREN M.	KOKELJ, LINUS	LOPEZ GARAY C.	LÓRINCZI L.	LUBURICH P.	LUO J.
LJUNGMAN P.	SCHIÖLER S.	LOPEZ GONZALEZ A.	LORINI G.	LUCAS J.	LUO M.
LK TANG M.	LOI M.	LÓPEZ GONZÁLEZ F.	LORUT C.	LUCAS J.	LUO Q.
LLANOS J.	LOIRAND G.	LÓPEZ LÓPEZ L.	LOS M.	LUCAS J.	LUO T.
LLANOS GONZALEZ	LOK S.	LÓPEZ MARTÍN S.	LOSADA-OLIVA P.	LUCAS J.	LUO W.
A.	LOKE A.	LÓPEZ MARTÍNEZ S.	LOS-ARCOS I.	LUCAS K.	LUO Y.
LLANOS-GONZÁLEZ	LØKKE A.	LOPEZ MEILLER M.	LOSCERTALES	LUCCA F.	LUO Y.
A.	LOLAS M.	LÓPEZ MEJÍAS R.	VACAS G.	LUCCHI M.	LÜÖND L.
LLEÓ BISA A.	LOMAUO A.	LOPEZ MESEGUER M.	LOSONCZY G.	LUCERO B.	LUPORINI SARAIVA
LLONCH B.	LOMAX M.	LÓPEZ MESSA J.	LOSTAKOVA V.	LÚCIO M.	G.
LLOP J.	LOMBARD C.	LÓPEZ MIGUEL C.	LOTFI T.	LUCKHARDT T.	LUPPI F.
LLOPIS PASTOR E.	LOMBARD L.	LOPEZ MIGUEL P.	LOTUFO P.	LÜCKL J.	LUSSAC-SORTON F.
LLOP-RIUS R.	LOMBARDI C.				

LUSTREMAN C.	MAC AOGÁIN M.	MADISSOON E.	MAHDEV S.	MAKIMOTO K.	MAN W.
LUTAS A.	MAC GIOLLA EAIN M.	MADJID C.	MAHDI A.	MAKITA N.	MAN W.
LUTCHEN K.	MAC HALE E.	MADONI A.	MAHDI M.	MAKODA I.	MAN W.
LÜTHI-CORRIDORI G.	MAC LOUGHLIN R.	MADOTTO F.	MAHDI N.	MAKOYDA I.	MAN W.
LUTTER R.	MACAGNO F.	MADUENO L.	MAHÉ I.	MAKRIS G.	MAN W.
LUTTUN A.	MACCHIONE M.	MAEDA C.	MAHER E.	MAKRIS M.	MANALAN K.
LUTZKO C.	MACCHIONE M.	MAENO K.	MAHER R.	MAKUYANA N.	MANALI E.
LUUKKONEN R.	MACDONALD M.	MAENO T.	MAHER T.	MAL H.	MANALI E.
LUZ GOULART C.	MACDONALD R.	MÄENPÄÄ J.	MAHER T.	MALAJ V.	MAÑAS E.
LUZIA R.	MACDOUGALL M.	MAES A.	MAHER T.	MALAKAUSKAS K.	MAÑAS BAENA E.
LUZÓN E.	MACDUFF E.	MAES J.	MAHESH P.	MALAKOUNIDOU E.	MANCA M.
LUZÓN ALONSO E.	MACEACHERN P.	MAES K.	MAHESWARI K U.	MALANDRINO L.	MANCINELLI S.
LUZZI S.	MACEDO N.	MAES N.	MAHILANG D.	MALATERRE V.	MANCINI C.
LUZZI V.	MACEFIELD V.	MAES P.	MAHMOUD N.	MALBY SCHOOS A.	MANCINO E.
LV C.	MACERA F.	MAES T.	MAHMOUDI K.	MALCOLM D.	MANCIÑO J.
LV Y.	MACEY J.	MAESTRE SÁNCHEZ M.	MAHMUTOVIC A.	MALCOLM H.	MANCINO L.
LYBEROPOULOS P.	MACFARLANE R.	MAESTRELLI P.	MAI C.	MALDONADO BERTACCO E.	MANCOPE R.
LYDEN G.	MACGREGOR C.	MAESTRI R.	MAI T.	MALERBA G.	MANDADZHEVA S.
LYKOURAS D.	MACHADO A.	MAESTRONI R.	MAI V.	MALERBA M.	MANDAL S.
LYNCH D.	MACHADO A.	MAETZLER W.	MAIA E COSTA J.	MALESEVIC S.	MANDELBERG A.
LYNCH D.	MACHADO F.	MAEYAMA T.	MAIA E SILVA M.	MALFACINI D.	MANDELBOIM M.
LYNCH G.	MACHADO L.	MAFFEIS G.	MAIDSTONE R.	MALFERTHEINER M.	MANDIN C.
LYNN E.	MACHADO P.	MAFFONI M.	MAIELLO G.	MALHOTRA A.	MANDIZHA J.
LYNN J.	MACHIELS B.	MAFORT T.	MAIER C.	MALHOTRA-KUMAR S.	MANDURINO MIRIZZI F.
LYNNYK M.	MACIEL CAMPOS DA SILVA A.	MAFTEI (MUTU) A.	MAIER L.	MALIBORSKI A.	MANE M.
LYONS N.	MACINA D.	MAGALHÃES A.	MAIER L.	MALIBORSKI A.	MANE T.
LYONS P.	MACISAAC S.	MAGALHÃES FERREIRA P.	MAIER P.	MALIC A.	MANEL K.
LYRONI K.	MACKAY E.	MAGALHÃES LAGE MORAES M.	MAIETTA P.	MALIK J.	MANEL K.
M	MACKENZIE A.	MAGDELAINE C.	MAILLÉ É.	MALIK J.	MANENTI L.
M M.	MACKENZIE H.	MAGEE M.	MAILLEUX A.	MALINOVSKI A.	MANETTAS A.
M M.	MACKENZIE ROSS R.	MAGER D.	MAILLOTE A.	MALISHCHUK A.	MANFREDINI G.
M ALBAICETA G.	MACKINNON A.	MAGHUYOP N.	MAILLY L.	MALIZIA V.	MANFRINI G.
M KHAMIS A.	MACKINTOSH J.	MAGIS C.	MAIN E.	MALL M.	MANGAL D.
M NOLAN C.	MACKNEY J.	MAGLIANO D.	MAINGOT L.	MALL M.	MANGANAS H.
M SILVA A.	MACLAY J.	MAGLIO A.	MAINZER R.	MALLA-BANERES M.	MANGAS A.
M SMITH B.	MACLELLAN K.	MAGLIONE P.	MAIO S.	MALLAT J.	MANGE K.
M V SARDINHA L.	MACLEOD J.	MAGLIULO S.	MAIOLI L.	MALLET M.	MANGIAPAN G.
M V SILVA A.	MACLEOD K.	MAGLIULO S.	MAIR F.	MALLI F.	MANGION K.
M WEIGERT R.	MACLEOD K.	MAGNAVAL J.	MAITLAND - VAN DER ZEE A.	MALLIA P.	MANGSETH H.
M. HORVATH C.	MACLEOD M.	MAGNES C.	MAITLAND-VAN DER ZEE A.	MALLOUHI A.	MANGUEIRA SARAIVA-ROMANHOLO B.
M. J. GÖERTZ Y.	MACLEOD M.	MAGNET F.	MAITLAND-VAN DER ZEE A.	MALM TILLGREN S.	MANGUGAN N.
M. MAUCH R.	MACLEOD M.	MAGNI S.	MAITRE B.	MALMBERG P.	MANI M.
M. PÉREZ N.	MACLEOD M.	MAGNOLATO A.	MAÎTRE B.	MALMHÄLL C.	MANI R.
M. RYAN C.	MACNAUGHTON L.	MAGNONI C.	MAITRE L.	MALMSTROM J.	MANICHAIKUL A.
M. SCHNABEL R.	MACOWAN M.	MAGNONI M.	MAITRE T.	MALMSTROM K.	MANIFIELD J.
M. VAN DER DOES A.	MACPHERSON A.	MAGNUS N.	MAJDOUB FEHRI S.	MALO D.	MANIKA K.
M. VANAUDENAERDE B.	MACRAE C.	MAGNUSSON J.	MAJETIĆ S.	MALONEY J.	MANIMARAN S.
M. WOUTERS I.	MADAMA SANTOS SILVA D.	MAGOULOTIS D.	MAJOR M.	MALOUIN F.	MANION M.
M.C. VERHAMME K.	MADAS S.	MAGRINI A.	MAJORSKI D.	MALOYAN A.	MANISCALCO M.
MA H.	MADDEN-SCOTT S.	MAGUIRE G.	MAJOS A.	MALPHETTES M.	MANITO N.
MA J.	MADDOCKS M.	MAGUIRE J.	MÁK B.	MALTAIS F.	MANIVONG P.
MA J.	MADEMILOV M.	MAGUIRE P.	MAK F.	MALU K.	MANKIKIAN J.
MA M.	MADEN M.	MAGY L.	MAKAREVICH T.	MALVY D.	MANKOWSKI M.
MA Q.	MADGE J.	MAH J.	MAKE B.	MAMALETZI D.	MANLEY C.
MA R.	MADHANI-LOVELY F.	MAHAJAN V.	MAKHECHA S.	MAMANI-MATSUDA M.	MANLEY R.
MA S.	MADHAV B.	MAHARAJ T.	MAKHOUL J.	MAMANOVA L.	MANN A.
MA Y.	MADHI F.	MAHAVADI P.	MÄKELÄ M.	MAMAZHAKYPOV A.	MANN E.
MAALEJ M.	MADHI S.	MAHAY G.	MAKHOU R.	MAMUYA S.	MANNA O.
MAALEJ S.	MADI W.	MAHBOUB B.	MAKIGUCHI T.	MÁN I.	MANNENT L.
MAATALLAH A.	MADINI B.	MAHBUB R.		MAN M.	
MAAZAOUI S.	MADISON L.				

MANNENT L.	MARCOBAL J.	N.	MARSHALL G.	MARTINEAU A.	MARTINS B.
MANNINI C.	MARCON A.	MARINARI L.	MARSHALL H.	MARTINEAU S.	MARTINS P.
MANNINO D.	MARCOS C.	MARÍN-BARRERA L.	MARSHALL H.	MARTINEZ A.	MARTINS S.
MANOLESCU D.	MARCOS M.	MARÍN-CORRAL J.	MARSHALL J.	MARTÍNEZ A.	MARTINS V.
MANONELLES G.	MARCOUX J.	MARINCU I.	MARSHALL J.	MARTINEZ C.	MARTINSEN Ø.
MANOUSAKI E.	MARCOUX V.	MARINELLI A.	MARSHALL N.	MARTINEZ C.	MARTINU V.
MANRY J.	MARCQ E.	MARINESCU D.	MARSHALL T.	MARTÍNEZ D.	MARTÍN-VALERO R.
MANSELL S.	MARCU M.	MARINHO A.	MARSHALL-NICHOLS K.	MARTINEZ E.	MARTÍN-VICENTE P.
MANSELL S.	MARCUCCIO G.	MARINHO A.	MARSLAND B.	MARTINEZ F.	MARTIS F.
MANSER R.	MARCUS J.	MARINHO R.	MARTANI M.	MARTINEZ F.	MARTUSEWICZ-BOROS M.
MANSFIELD A.	MARCUS J.	MARINHO S.	MARTELO-VIDAL L.	MARTINEZ J.	MARUGO F.
MANSOUR B.	MARCUS M.	MARINO P.	MARTEN A.	MARTÍNEZ R.	MARULANDA J.
MANSOURI N.	MARCZAK H.	MARINOU I.	MARTENS T.	MARTÍNEZ ARACIL A.	MARUSIC A.
MANSUETO G.	MARÉCHAL C.	MARINOV B.	MARTH K.	MARTÍNEZ CARBONELL E.	MARVISI M.
MANSUR A.	MAREI Y.	MARIN-ROMERO S.	MARTHAN R.	MARTÍNEZ DE LA GÁNDARA A.	MARWA B.
MANTERO M.	MARENGHI G.	MARISCAL P.	MARTHIN J.	MARTÍNEZ DE LA GÁNDARA A.	MARWAH I.
MANTI S.	MAREY J.	MARISCAL AGUILAR C.	MARTHIN J.	MARTÍNEZ DE LARA A.	MARZOUKI S.
MANTIN H.	MARGAGLIOTTI A.	MARISCAL AGUILAR P.	MARTHIN J.	MARTINEZ DELGADO B.	MASA J.
MANTINI D.	MARGARITI S.	MARITANO J.	MARTÍ J.	MARTÍNEZ GARCÍA M.	MASARWEH K.
MANTOPOULOS T.	MARGARITTE-JEANNIN P.	MARK E.	MARTÍ S.	MARTÍNEZ GARCÍA M.	MASCAMBRONI S.
MANTOVANI L.	MARGHELI A.	MARKATIS E.	MARTÍN A.	MARTÍNEZ GONZÁLEZ C.	MASCARENO PONTE M.
MANUEL O.	MARGHLANI D.	MARKATOS M.	MARTIN A.	MARTÍNEZ GONZÁLEZ-POSADA I.	MASCHIO M.
MANUEL REIS R.	MARGHLI A.	MARKELIĆ I.	MARTIN A.	MARTÍNEZ GONZÁLEZ-POSADA I.	MASCHIO DE CENSO C.
MANZANA G.	MARGINEAN C.	MARKEVYCH I.	MARTIN A.	MARTÍNEZ GOZÁLEZ-POSADA I.	MASDEU M.
MANZANO SENRA C.	MARGUET C.	MARKOPOULOU K.	MARTÍN C.	MARTÍNEZ MARTÍNEZ R.	MASELLI D.
MANZETTI G.	MARÍ S.	MARKOU T.	MARTIN C.	MARTÍNEZ MENÉNDEZ J.	MASELLI D.
MANZUR-JATTIN F.	MARIA BARROS DELMONDES G.	MARKOZANNES E.	MARTIN E.	MARTÍNEZ MESA A.	MASELLI L.
MAO B.	MARIA DE ALMEIDA F.	MARKOZANNES G.	MARTIN I.	MARTÍNEZ MORAGÓN E.	MASHINYIRA A.
MAO B.	MARIA DE CARVALHO PINTO R.	MARKS G.	MARTIN J.	MARTÍNEZ NÚÑEZ F.	MASKELL N.
MAO Z.	MARIA DUARTE MIRANDA S.	MARKS M.	MARTIN L.	MARTÍNEZ RIVERA C.	MASKELL N.
MAOUA M.	MARÍA MOLINA MOLINA* (* EQUAL CONTRIBUTION) M.	MARKUS C.	MARTIN L.	MARTÍNEZ VARELA I.	MASKELL N.
MAQUET C.	MARIA STANFOCA CASAGRANDE G.	MARKUS J.	MARTIN M.	MARTÍNEZ VEGA L.	MASLOVA E.
MAR J.	MARIANI A.	MARKWIRTH P.	MARTIN M.	MARTÍNEZ-BRISEÑO D.	MASMOUDI K.
MARAIN N.	MARIANI F.	MAROGIANNI C.	MARTIN M.	MARTÍNEZ-CAÇERES E.	MASMOUDI K.
MARAN A.	MARIANI S.	MARON B.	MARTIN N.	MARTÍNEZ-DELGADO B.	MASNAGHETTI S.
MARANHÃO A.	MARIAPPAN V.	MARONE E.	MARTIN N.	MARTÍNEZ-LLORENS J.	MASOLI M.
MARANHÃO R.	MARIC M.	MAROTT S.	MARTIN S.	MARTÍNEZ-MORAGÓN E.	MASOLI M.
MARASOVIC I.	MARICOTO T.	MAROTTA A.	MARTÍN T.	MARTINEZ-NUNEZ R.	MASON J.
MARAVIC M.	MARIE CHRISTENSEN H.	MAROTZKINA N.	MARTIN U.	MARTÍNEZ-OLONDRIS P.	MASON P.
MARAZ F.	MARIE-CHRISTINE S.	MARQUES A.	MARTIN U.	MARTÍNEZ-SÁNCHEZ J.	MASON T.
MARC M.	MARILLIER M.	MARQUES R.	MARTÍN BOTE S.	MARTINEZ-DELGADO B.	MÁSPERO J.
MARCAIS A.	MARIN A.	MARQUES S.	MARTÍN CARPI M.	MARTÍNEZ-LLORENS J.	MÁSPERO J.
MARÇALO R.	MARIN A.	MARQUES DA SILVA C.	MARTÍN CARPI T.	MARTÍNEZ-MORAGÓN E.	MASSARI L.
MARCHAND-ADAM S.	MARÍN J.	MARQUES DIOGO J.	MARTÍN CORTIJO C.	MARTINEZ-NUNEZ R.	MASSARO C.
MARCHBANK A.	MARIN ANDREU A.	MÁRQUEZ MARTÍN E.	MARTÍN DE LEÓN R.	MARTÍNEZ-OLONDRIS P.	MASSEY L.
MARCHENA J.	MARIN MUÑOZ A.	MARR N.	MARTÍN DELGADO M.	MARTÍNEZ-SÁNCHEZ J.	MASSEY O.
MARCHESANI F.	MARIN MUÑOZ A.	MARRADES P.	MARTIN GALLEGU E.	MARTIN-FERNANDEZ M.	MASSIN N.
MARCHESI G.	MARIN MUÑOZ T.	MARRICHI MAUCH R.	MARTIN GRUFFIN BERG R.	MARTINI M.	MASSON P.
MARCHESI S.	MARIN MUÑOZ A.	MARRIOTT J.	MARTIN LANA M.	MARTÍN-MEDINA A.	MASSON P.
MARCHESINI STIVAL R.	MARIN ROMERO S.	MARSDEN A.	MARTÍN NGUYEN A.	MARTINO L.	MASSON-ROUCHAUD A.
MARCHETTI G.	MARIN ROMEROI S.	MARSDEN P.	MARTÍN ONTIYUELO C.	MARTINÓN-TORRES F.	MASSRI A.
MARCHETTI P.	MARÍN ROYO M.	MARSEGLIA G.	MARTIN PASCUAL A.	MARTINOT J.	MASTELLA C.
MARCHI G.	MARÍN TRIGO J.	MARSH J.	MARTIN PENA L.	MARTINOVIC J.	MASTERNAK M.
MARCHI P.	MARINA MALANDA	MARSH L.	MARTÍN RIOJA T.	MARTINS Â.	MASTERSON C.
MARCHIONI A.		MARSH L.	MARTIN-AUDERA P.	MARTINS A.	MASTORIDIS P.
MARCIANO S.		MARSHALL A.			MASTROIANNI C.
MARCINIAK S.		MARSHALL C.			MASTROMARINO M.
MARC-MALOVHR M.					MASUCCI A.
MARCO M.					
MARCO S.					
MARÇOA R.					

MASUDA A.	MATTHEW R.	MC CARTHY C.	MCEVOY D.	MEDIANO SAN	MELÉN E.
MATA J.	MATTHEWS J.	MC CARTHY S.	MCEVOY R.	ANDRÉS R.	MELENEVYCH A.
MATA SALVADOR M.	MATTHEWS K.	MC CRAE C.	MCEVOY R.	MEDIAVILLA	MELENKA L.
MATAMA C.	MATTHEWS N.	MC DONNELL-	MCEWAN K.	ANGULO D.	MELETIS G.
MATAMALA N.	MATTHEWS S.	NAUGHTON M.	MCFADDEN P.	MEDINA G.	MELGAARD M.
MATAR M.	MATTHEWS V.	MC DONOUGH J.	MCGARRY J.	MEDINA BADENES P.	MELGERT B.
MATEI M.	MATTHYS H.	MC GRATH E.	MCGARRY L.	MEDINA GALLARDO	MELIS E.
MATEO M.	MATTSSON J.	MC KENZIE A.	MCGARVEY L.	J.	MELISSARI L.
MATEOS-TOLEDO H.	MATUCCI A.	MCADAM J.	MC GEE K.	MEDINA-IGLESIAS P.	MELLE M.
MATERA L.	MATUCCI-CERINIC M.	MCALEES J.	MCGETTRICK M.	MEDJAHDI N.	MELLONI B.
MATESANZ LÓPEZ C.	MATUPUMANON S.	MCALETH S.	MCGOWAN B.	MEDJIOFACK DJEUJO	MELLONI G.
MATEU GÓMEZ L.	MATURU V.	MCAULEY D.	MCGRATH E.	F.	MELNUK-
MATEUS L.	MATUTE VILLACIS M.	MCAULEY D.	MCINNES E.	MEDRINAL C.	SHEREMETA O.
MATEUS-MEDINA É.	MATUTE VILLACIS M.	MCAULEY H.	MCINTOSH A.	MEDYEDALI F.	MELNYK-
MATHES T.	MATVIIENKO Y.	MCAULEY H.	MCINTOSH E.	MEECHOOVET B.	SHEREMETA O.
MATHEUS E.	MATZNER-LOBER E.	MCCABE C.	MCINTOSH E.	MEEK D.	MELNYK-
MATHEUS RAMÍREZ	MAUAD E.	MCCABE J.	MCKAY G.	MEERAN K.	SHEREMETA O.
E.	MAUAD T.	MCCAFFREY L.	MCKEE C.	MEERBURG J.	MELO D.
MATHEW J.	MAUCH R.	MCCAFFREY T.	MCKEEVER T.	MEERBURG J.	MELO N.
MATHEW J.	MAUCLIN M.	MCCALLION P.	MCKELVEY M.	MEERSMANN T.	MELO CRUZ M.
MATHEW N.	MAUFROY E.	MCCANN W.	MCKENZIE A.	MEETSCHEN M.	MELO NARVÁEZ M.
MATHEWS K.	MAURAC A.	MCCARREN B.	MCKEOUGH Z.	MEGARITIS D.	MELO-NARVÁEZ M.
MATHIESEN K.	MAURAT E.	MCCARRY A.	MCKERNAN C.	MEGDICHE L.	MELONE J.
MATHIOUDAKIS A.	MAURER B.	MCCARTHY C.	MCKINNEL J.	MEGDICHE M.	MELONE M.
MATHIOUDAKIS A.	MAURER C.	MCCARTHY J.	MCLACHLAN G.	MEGDICHE M.	MELONI F.
MATHSSON-ALM L.	MAURER H.	MCCARTHY K.	MCLACHLAN R.	MEGGED O.	MEMON A.
MATHUR S.	MAURER M.	MCCARTHY N.	MCLAUGHLIN A.	MEGHDICHE M.	MENAHM S.
MATIAS T.	MAURY E.	MCCCLATCHEY K.	MCLAUGHLIN V.	MEHANDALE S.	MÉNARD F.
MATIAS DE ALMEIDA	MAUTONE S.	MCCLEAN M.	MCLAUGHLIN V.	MEHARG D.	MENA-YI D.
SANTOS C.	MAVI D.	MCCLOUD P.	MCLEAN S.	MEHDI KHAN M.	MENCARINI J.
MATILDE P.	MAVI TORTOP D.	MCCOLLUM E.	MCLEAN S.	MEHIRI N.	MENCHACA S.
MATLLÓ J.	MAVRONASSOU A.	MCCONNACHIE A.	MCLEAN S.	MEHIRI N.	MENDELSON E.
MATOS P.	MAVROUDI E.	MCCOOL C.	MCMENAMIN A.	MEHMOOD T.	MENDES A.
MATOS DA CRUZ F.	MAWER A.	MCCORKELL A.	MCMULLAN I.	MEHRA R.	MENDES B.
MATOUSEK M.	MAWHINNEY T.	MCCORMACK C.	MCMULLAN R.	MEHRAVARAN H.	MENDES F.
MATOVU DUNGU A.	MAWSON P.	MCCORMACK F.	MCMULLEN S.	MEHTA A.	MENDES M.
MATRICARDI P.	MAXIMINK ESTEVES	MCCOWEN D.	MCMULLIN K.	MEHTA P.	MENDES M.
MATSCHINER G.	VILLAR P.	MCCOY J.	MCMURRAY A.	MEHTÄLÄ J.	MENDES P.
MATSOUKI N.	MAY GAMBLE G.	MCCOY K.	MCNAB J.	MEI F.	MENDES R.
MATSUBAYASHI S.	MAYALL J.	MCCRACKEN B.	MCNALLY R.	MEIJBOOM L.	MENDES S.
MATSUDA T.	MAYAUX J.	MCCRAE C.	MCNAMARA P.	MEIJBOOM L.	MENDES SILVA A.
MATSUI A.	MAYER A.	MCCREADY C.	MCNAMEE M.	MEIJBOOM L.	MENDES-FERREIRA P.
MATSUI S.	MAYER L.	MCCULLAGH B.	MCNICHOLAS-	MEIJER E.	MÉNDEZ A.
MATSUMOTO F.	MAYHEW A.	MCDERMOTT R.	BEVENSEE C.	MEINERS S.	MÉNDEZ C.
MATSUMOTO H.	MAYOR ÁLVAREZ M.	MCDONALD B.	MCNULTY S.	MEIS J.	MÉNDEZ K.
MATSUMOTO I.	MAYOS M.	MCDONALD C.	MCPHERSON A.	MEISCHL T.	MÉNDEZ ALONSO A.
MATSUMOTO K.	MAYOS PÉREZ M.	MCDONALD M.	MCQUALTER J.	MEI-ZAHAV M.	MÉNDEZ DIAZ C.
MATSUMOTO K.	MAYOS PÉREZ M.	MCDONALD V.	MCQUILTEN H.	MEJDOUB FEHRI S.	MÉNDEZ GONZÁLEZ
MATSUMOTO S.	MAYR C.	MCDONALD V.	MCSHANE H.	MEJIA M.	L.
MATSUMOTO Y.	MAYR C.	MCDONALD V.	MCSHANE P.	MEJRI I.	MÉNDEZ MANGAS L.
MATSUMOTO Y.	MAZELLIER N.	MCDONALD V.	MCVEIGH N.	MEJRI I.	MÉNDEZ-BREA P.
MATSUMURA Y.	MAZENQ J.	MCDONNELL L.	MCWILLIAMS A.	MEKIDECHE A.	MENDILUCE-
MATSUNAGA K.	MAZO C.	MCDONOUGH J.	MDONOUGH J.	MEKKI M.	OCHANDORENA L.
MATSUOKA M.	MAZULOV O.	MCDOWELL P.	MEACHERY G.	MEKONTSO-DESSAP	MENDONÇA I.
MATSUSHITA S.	MAZUREK J.	MCDOWELL P.	MEAD D.	A.	MENDONÇA DE
MATSUZAWA S.	MAZZA A.	MCEACHAN R.	MEAH S.	MEKOV E.	OLIVEIRA L.
MATTANA G.	MAZZA C.	MCELROY M.	MEALING S.	MELACINI C.	MENDOZA N.
MATTEIS S.	MAZZARELLA E.	MCELVANAY G.	MEANI P.	MELAMED D.	MENDOZA BRAVO C.
MATTES J.	MAZZOTTA P.	MCELVANAY G.	MECHERGUI N.	MELANIE G.	MENDOZA
MATTHAIOU A.	MAZZUCA M.	MCELVANAY N.	MEDEFORD D.	MELARAM R.	ZAMBRANO E.
MATTHAIOU A.	MAZZUCCO G.	MCELVANAY N.	MEDFORD A.	MELDGAARD A.	MENDOZA-
MATTHES S.	MBATA M.	MCELVANAY O.	MEDI W.	MELDRUM C.	VALDERREY A.
		MCEVOY A.	MEDIANO O.	MELDRUM O.	MENEGAS D.
					MENEGHELLI I.

MOLBERG Ø.	MONTALBÁN K.	MORAIS N.	MORIN H.	MOSSETTO C.	MRAZ T.
MOLDEN N.	MONTALBANO A.	MORAITI P.	MORINAGA D.	MOSTACCI N.	MRAZGUIA C.
MOLFINO N.	MONTAÑEZ OROZCO A.	MORAJDA B.	MORINO E.	MOSTARD R.	MRIZAK N.
MOLIMARD M.	MONTAÑEZ-OROZCO A.	MORALES BARROSO I.	MORIONDO G.	MOSTEIRO M.	MSAAD S.
MOLIN M.	MONTANI D.	MORALES PORTILLO A.	MORISSE-PRADIER H.	MOSTEIRO-AÑÓN M.	MSAAED S.
MOLINA M.	MONTANINI B.	MORALES SATAN M.	MORISSET J.	MOSTEPAN T.	MSIKA S.
MOLINA FERRAGUT L.	MONTASTRUC F.	MORALES-QUINTEROS L.	MORITA C.	MOSTOVOY Y.	MU G.
MOLINA MOLINA M.	MONTAVA GARRIGA L.	MORAN E.	MORLA O.	MOTA A.	MU J.
MOLINA SILDARRIAGA F.	MONTEIRO CANHOTO D.	MORAN E.	MORLACCHI L.	MOTA G.	MUALA A.
MOLINA-MOLINA M.	MONTERO P.	MORAN MENDOZA O.	MORLACCHI L.	MOTA P.	MUBIRU A.
MOLINA-MOYA B.	MONTES A.	MORANCHO A.	MORLEY A.	MOTER A.	MUÇA T.
MOLINARI L.	MONTES L.	MORANCHO PALLARUELO A.	MORLEY M.	MOTOFEELEA A.	MUCHMORE P.
MOLINARI N.	MONTESI S.	MORANI C.	MORONI GRANDINI R.	MOTOS A.	MUDWAY I.
MOLINERO M.	MONTESINOS M.	MORAN-MENDOZA O.	MOROZUMI N.	MOTOS A.	MUDWAY I.
MOLINERO GARCÍA M.	MONTES-WORBOYS A.	MORANTE F.	MORRELL N.	MOTOSAKU A.	MUELLER C.
MOLINIER V.	MONTEVERDE C.	MORBERG WEJSE C.	MORRELL N.	MOTREFF C.	MUELLER G.
MOLINO A.	MONTGOMERY B.	MORDANT P.	MORRIS B.	MOTTA A.	MUELLER K.
MOLL M.	MONTGOMERY B.	MORECCHIATO F.	MORRIS H.	MOTTA E.	MUELLER M.
MOLLA KAFI H.	MONTGOMERY H.	MOREIRA A.	MORRIS J.	MOTTOLA D.	MUELLER R.
MÖLLER A.	MONTGOMERY S.	MOREIRA I.	MORRIS L.	MOUBACHIR H.	MUELLER T.
MØLLER J.	MONTI M.	MOREIRA K.	MORRIS S.	MOUDAKI A.	MUEMMLER C.
MØLLER U.	MONTIEL G.	MOREIRA M.	MORRISEY E.	MOUDED M.	MUGGEO A.
MØLLER FELL A.	MONTINI S.	MOREIRA S.	MORRIS-JONES S.	MOUDGIL H.	MUGLAR J.
MØLLER WEINREICH U.	MONTMERLE M.	MOREIRA T.	MORRISON D.	MOUGIN M.	MUHAMEDOVA M.
MOLLOY E.	MONTÓN SOLER C.	MOREIRA SOUSA D.	MORRISON H.	MOUI A.	MÜHLBACHER A.
MOLODOVETS O.	MONTRAVERS P.	MOREIRA-COSTA L.	MORRISON-PORTER A.	MOUNIA S.	MUJSEBERG A.
MOLODOVETS O.	MONTERRAT J.	MORELL D.	MORRIS-ROSENDAHL D.	MOUNIR N.	MULWIJK-KROES J.
MOLTENI F.	MONTUORI G.	MORELL F.	MORRIS-ROSENDAHL D.	MOURA G.	MUIR J.
MOLYNEAUX P.	MONZANI A.	MORELL GARCIA D.	MORRIS-ROSENDAHL D.	MOURA M.	MUISER S.
MOLYNEAUX P.	MONZIO COMPAGNONI M.	MORELL-GARCIA D.	MORRIS-ROSENDAHL D.	MOURÃO DIAS J.	MUJAKOVIC S.
MOLYNEAUX P.	MOODIE E.	MORELLI N.	MORRIS-ROSENDAHL D.	MOURATO T.	MUKASA S.
MOLYNEUX L.	MOODLEY Y.	MORELLI T.	MORRISSEY B.	MOURINO N.	MUKHERJEE A.
MOMAS I.	MOOIJ - KALVERDA K.	MORELOT-PANZINI C.	MORROW A.	MOURTADA F.	MUKHERJEE B.
MOMENILANDI M.	MOON D.	MORENO A.	MORROW J.	MOURVILLIER B.	MUKHERJEE D.
MOMI H.	MOON H.	MORENO A.	MORTAMET G.	MOUSAVI R.	MUKHERJEE D.
MOMPEAN RODRÍGUEZ S.	MOON K.	MORENO A.	MORTAZ E.	MOUSAVI R.	MUKHERJEE M.
MOMVILLE M.	MOON S.	MORENO ZABALETA R.	MORTENSEN E.	MOUSING C.	MUKHERJEE R.
MONACO F.	MOOR C.	MORENO GALDÓ A.	MORTENSEN E.	MOUSSA A.	MUKHERJEE S.
MONAGHAN S.	MOOR C.	MOREO E.	MORTENSEN J.	MOUSSA C.	MUKHERJEE S.
MONASTERIO PONSÁ* C.	MOOR K.	MORER L.	MORTENSEN L.	MOUSSA I.	MUKHERJEE S.
MONCUSÍ-MOIX A.	MOORCROFT C.	MORETTI A.	MORTIMER H.	MOUSSA N.	MUKHITOV A.
MONDILLO C.	MOORE G.	MORGAN C.	MORTON A.	MOUSTADRAF S.	MUKHOPADHAYAY A.
MONDONI M.	MOORE S.	MORGAN D.	MORTON B.	MOUSTAKA CHRISTODOULOU M.	MUKHOPADHYAY S.
MONFORTE V.	MOORE V.	MORGAN L.	MORVIDUCCI M.	MOUTHON L.	MUKHSINOV F.
MONG M.	MOORTHY 7.	MORGAN L.	MORZADEC C.	MOUTON C.	MUKHSINOV F.
MONGE A.	MOR MARTÍNEZ M.	MORGAN S.	MOSCA F.	MOUTZOURI M.	MUKHTAR K.
MONIAKI V.	MORA A.	MORI A.	MOSCHPOULOS T.	MOVÉRARE R.	MULDER F.
MONK P.	MORA A.	MORI Y.	MOSCHOS C.	MOYA A.	MULDER H.
MONONEN M.	MORA CUESTA V.	MORIANO C.	MOSCOSO ALTAMIRA G.	MOYA E.	MULET ARABI A.
MONOSTORI Z.	MORA CUESTA V.	MORIANOS I.	MOSER L.	MOYA DOMÍNGUEZ D.	MULETTE P.
MONSHI TOUSI N.	MORAES M.	MORICE A.	MÖSGES R.	MOYA OLIVARES A.	MULEY M.
MONSON V.	MORAES T.	MORICHON L.	MOSGROVE F.	MOYA TORRES B.	MULEY T.
MONSURRÓ G.	MORAES T.	MORIKAWA Y.	MOSKALENKO S.	MOYA-GALLARDO E.	MULHOLLAND S.
MONTACLAIR K.	MORAGA-ESPINOZA D.	MORILLO M.	MOSKOVITZ N.	MOYANO V.	MÜLLER A.
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		MORIMOTO K.	MOSQUERA C.	MRAZ T.	MULLER C.
			MOSS S.		MÜLLER H.
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RUMBLE Y.	SAADI A.	SAHA S.	SALCEDO-PARRA M.	SAMPAIO CHIARANTANO R.	SÁNCHEZ-LUNA M.
RUNNSTROM M.	SAARES RANTA T.	SAHASRABUDHE S.	SALCICCIOLI J.	SAMPATH M.	SANCHEZ-ORTIZ D.
RUNOLD M.	SAARI E.	SAHAY S.	SALDITT T.	SAMPEDRO M.	SANCHEZ-RAMIREZ D.
RUNSTRÖM G.	SAARIKALLIO S.	SAHEBSHARIF-ASKARI F.	SALEEM M.	SAMPERE-AYMERICH M.	SÁNCHEZ-SÁNCHEZ-SANTILLÁN R.
RUPANI H.	SAAVEDRA M.	SAHEBSHARIF-ASKARI N.	SALEH K.	SAMPOL G.	SÁNCHEZ-SANTILLÁN R.
RUPP J.	SAABEDRA S.	SAHIN E.	SALEH-GUILLO H.	SAMPOL J.	SÁNCHEZ-SANTOS A.
RUPPERT C.	SABATÉ A.	SAHIN Ü.	SALEHI M.	SAMPOL SIRVENT J.	SÁNCHEZ-SIMÓN TALERO R.
RUSCITTI F.	SABATER C.	SAHLIN C.	SALEHIAN S.	SAMPSONAS F.	SANCHIS-GILABERT H.
RUSCONI F.	SABATO R.	SAHNOUN I.	SALEM A.	SAMSON M.	SANCHO CHINESTA J.
RUSIBAMAYILA N.	SABBE M.	SAHOTA J.	SALEM M.	SAMSON R.	SANCHO MUÑOZ A.
RUSS M.	SABBOUR H.	SAHOUN D.	SALEM Y.	SAMUELS M.	SANCI V.
RUSSELL A.	SABER CHERIF L.	SAHUNTA H.	SALEPCI B.	SAN JOSE ESTEPAR R.	SAND J.
RUSSELL A.	SABIL A.	SAID J.	SALES R.	SAN JOSÉ ESTEPAR R.	SAND J.
RUSSELL B.	SABRINE L.	SAID N.	SALGADO F.	SANA A.	SAND J.
RUSSELL R.	SABUNCUOGLU S.	SAIDANE A.	SALGADO F.	SANA F.	SANDAU C.
RUSSELL R.	SACANELL J.	SAIDANI A.	SALGADO R.	SANA R.	SANDE M.
RUSSIER M.	SACCHI M.	SAIDANI W.	SALGE J.	SANAPALA S.	SANDÉN C.
RUSSO M.	SACCOMANNO J.	SAIN GUVEN G.	SALHI B.	SANCHES I.	SANDERCOCK G.
RUSTAGI N.	SACHDEVA I.	SAINDOY E.	SALHÖFER L.	SANCHEZ C.	SANDERMAN I.
RUSTAGI N.	SACHER J.	SAINI G.	SALIBA K.	SANCHEZ E.	SANDIUMENGE CAMPS A.
RUSU D.	SACKS H.	SAINT RAYMOND C.	SALIBA W.	SANCHEZ G.	SANDLUND M.
RUTH MARIA U.	SADAFI H.	SAINT-PIERRE M.	SALIMATH S.	SANCHEZ O.	SANDOR R.
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RUTKOWSKA E.	SADDOK B.	SAITO H.	SALISBURY C.	SANCHEZ ÁLVAREZ E.	SANDUZZI ZAMPARELLI A.
RUTKOWSKI S.	SADDEGH M.	SAITO J.	SALIU F.	SÁNCHEZ BARÓN A.	SANDVIK R.
RUTTENS D.	SADERI L.	SAITO M.	SALLA E.	SANCHEZ CABRAL O.	SANESTEBAN HERMIDA Y.
RUTTEN-VAN MOLKEN M.	SADI S.	SAITO M.	SALLENT I.	SÁNCHEZ CARRETERO L.	SANGEETH PRIYADARSHAN V.
RÜTTIMANN C.	SADLER A.	SAITO Z.	SALMA C.	SÁNCHEZ CHAPARRO M.	SANGKANUPARPH S.
RUUD E.	SADOFISKY L.	SAITOU M.	SALMA K.	SANCHEZ DAFUN A.	SANGÜESA J.
RUWISCH J.	SADOK B.	SAIZ M.	SALMAN J.	SANCHEZ DE LA PUERTA LAGUNA C.	SANIÈRE L.
RYAN C.	SADOVENKO O.	ŠAJNIĆ A.	SALMAN R.	SÁNCHEZ DE LA TORRE M.	SANINA N.
RYAN D.	SADRAS I.	SAK K.	SALOBIR B.	SÁNCHEZ FERNÁNDEZ C.	SAN-JOSE M.
RYAN D.	SADUSHI-KOLICI R.	SAK S.	SALOMIDOU M.	SANCHEZ GONZALEZ M.	SANKARAN P.
RYAN S.	SAE CHEN W.	SAKAGUCHI T.	SALORD OLEO N.	SANCHEZ HERRERO M.	SANNA A.
RYDE M.	SAEED EL-HOUSHY M.	SAKALIS G.	SALTON F.	SANCHEZ JAREÑO M.	SANO A.
RYDWIK E.	SAEI M.	SAKAMOTO K.	SALVADOR-CORRES I.	SÁNCHEZ LÓPEZ V.	SANO E.
RYERSON C.	SAEKI T.	SAKAMOTO K.	SALVADORI M.	SÁNCHEZ MARTÍN S.	SANO H.
RYERSON C.	SAETTA M.	SAKAO S.	SALVATI E.	SÁNCHEZ MASA J.	SANO M.
RYRSØ C.	SAEY D.	SAKATA T.	SALVATOR H.	SÁNCHEZ SANTILLÁN R.	SANSCHÉZ C.
RYU S.	SAEZ B.	SAKELLARIDIS T.	SALVI B.	SANCHEZ SEVILLA URUCHURTU A.	SANSEN S.
RYU Y.	SAÉZ LÓPEZ M.	SAKELLAROPOULOU A.	SALVI S.	SÁNCHEZ TORIL F.	
RZEPECKI P.	SAEZ-GIMENEZ B.	SAKULVORAKITTI T.	SALZBERGER B.		
S	SAÉZ-PÉREZ J.	SALA E.	SAM W.		
S G.	SAFA M.	SALA E.	SAMARA D.		
S S.	SAFAYEV H.	SALAI G.	SAMARA K.		
S LAL N.	SÄFHOLM J.	SALA LLINÁS E.	SAMARANAYAKE M.		
S LEME P.	SAFIOTI G.	SALAM BAYRAM O.	SAMARANAYAKE C.		
	SAFONT G.		SAMARELLI A.		
			SAMARIA K.		

SANSEVERINO W.	SAOTOME M.	SATO M.	SCARANO P.	SCHIZA S.	SCHRECK L.
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SANTA B.	SAPEY E.	SATO S.	SCARFFE A.	SCHLADT D.	SCHRÖDER S.
SANTA CLARA E.	SAPPA B.	SATO Y.	SCARLATA S.	SCHLANGE T.	SCHROEDER J.
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SANTAMARIA S.	SARACINO L.	SATO BARROS DO AMARAL C.	SCARPAZZA P.	SCHLEDERER T.	SCHUBERT M.
SANTAMARÍA VALENCIA C.	SARAFIDIS P.	SATOH H.	SCELO G.	SCHLEGTENDAL A.	SCHUBERT-HAACK J.
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SANTANA I.	SARAIVA C.	SATPATI A.	SCHAARSCHMIDT B.	SCHLEMMER F.	SCHULER S.
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SANTISTEVE LOSTES S.	SARDELIS Z.	SAUVAET M.	SCHAMS A.	SCHMIDT J.	SCHUPP J.
ŠANTL-TEMKIV T.	SARDINE A.	SAUZEAU V.	SCHANG G.	SCHMIDT J.	SCHURGERS L.
SANTORO A.	SARDÓN-PRADO O.	SAVADKOUHI E.	SCHARDONG J.	SCHMIDT K.	SCHÜRMANN D.
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SANTOS B.	SARI HASSOUN M.	SAVAI R.	SCHARM S.	SCHMIDT O.	SCHÜTZ K.
SANTOS C.	SARINHO E.	SAVAL L.	SCHAUB A.	SCHMIDTHALER K.	SCHUURMAN A.
SANTOS C.	SARIPALLI K.	SAVALE L.	SCHAUB B.	SCHMITT A.	SCHUURMAN L.
SANTOS E.	SARIPALLI K.	SAVARAJ N.	SCHAUB J.	SCHMITT L.	SCHWANZER J.
SANTOS E.	SARJOMAA M.	SAVAŞ S.	SCHAUPP L.	SCHMITZ C.	SCHWARTZ J.
SANTOS I.	SARK A.	SAVELIKHINA I.	SCHAEFFEL J.	SCHMUDDE I.	SCHWARTZ J.
SANTOS I.	ŠARKANJİ GOLUB R.	SÄVENDAHL L.	SCHAEFFER V.	SCHNEEBERGER E.	SCHWARTZ J.
SANTOS J.	SARKAR M.	SAVI D.	SCHELFHOUT J.	SCHNEEBERGER T.	SCHWARTZ R.
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SANTOS M.	SARMA L.	SÄVMAN K.	SCHELTEMA R.	SCHNEIDER A.	SCHWARZ E.
SANTOS M.	SARMAH K.	SAVOURÉ M.	SCHENK S.	SCHNEIDER C.	SCHWARZ E.
SANTOS M.	SARNA S.	SAVRAN O.	SCHERER T.	SCHNEIDER C.	SCHWARZ S.
SANTOS M.	SARNO G.	SAWA K.	SCHERMER T.	SCHNEIDER M.	SCHWARZE J.
SANTOS R.	SAROGLOU M.	SAWAI S.	SCHERMULY R.	SCHNEIDER S.	SCHWEGMANN K.
SANTOS S.	SARON J.	SAWALHA S.	SCHERPENISSE P.	SCHNEIDER S.	SCHWEIKERT A.
SANTOS V.	SARRAT R.	SAWANT S.	SCHIAVI E.	SCHNEIDER S.	SCHWEIKERT A.
SANTOS NUNES A.	SARSENGALIYEV T.	SAWYER C.	SCHIAVI E.	SCHNEPPER A.	SCHWEINOCHE D.
SANTOS PEREZ S.	SARTORIO A.	SAXENHOFER M.	SCHICKINGER S.	SCHNEPPER A.	SCHWEITZER C.
SANTOS ZORROZUA B.	SASAHARA Y.	SAXER S.	SCHIEB J.	SCHOELERMANN J.	SCHWENCK N.
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SANTOS-SILVA R.	SASAMURA T.	SAYER J.	SCHIKOWSKI T.	SCHOLAND M.	SCHWICK B.
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SANTU M.	SASIDHARAN NAIR P.	SAYHI A.	SCHILLEBEECKX E.	SCHOLS A.	SCHYNKEL T.
SANTUS P.	SÁ-SOUSA A.	SAYMAN H.	SCHILLER H.	SCHOLZ M.	SCIACCA E.
SANTYR G.	SASSEK M.	SBERRO LIVNAT H.	SCHILLER H.	SCHÖN P.	SCIACQUA A.
SANVER M.	SASSMANN T.	SBRANA A.	SCHILLER H.	SCHÖN T.	SCIARABBA C.
SANZ I.	SABMANNSHAUSEN Z.	SCAFFIDI ARGENTINA U.	SCHINDERA C.	SCHØNBERG-MOE A.	SCIASCIA T.
SANZ HERRERO F.	SATIA I.	SCAGNOLARI C.	SCHINO P.	SCHOORL M.	SCICHLONE N.
SANZ RUBIO D.	SATO J.	SCALERA E.	SCHIÖLER L.	SCHOOS A.	SCILD STUDY GROUP S.
SANZ SANTOS J.	SATO K.	SCALLAN C.	SCHIPPERS F.	SCHOOS A.	SCIOSCIA G.
SANZ-FRAILE H.	SATO K.	SCALVENZI F.	SCHIPPERS J.	SCHRAGEL F.	SCIRICA C.
	SATO K.	SCANSANI S.	SCHITTNY D.	SCHRANC Á.	SCITA G.
	SATO M.		SCHITTNY J.	SCHRECK L.	SCIUCA S.
				SCHRECK L.	SCIURBA F.

SCOPELLITI N.	SEIWERTH F.	SERENIUS F.	SHAH P.	SHARMA S.	SHI W.
SCORDARI M.	SEJDIC A.	SERGEANT M.	SHAH R.	SHARMA S.	SHIANG T.
SCOTO M.	SEKAR R.	SÉRGIO SILVA A.	SHAH GUPTA R.	SHARMA S.	SHIBATA Y.
SCOTT A.	SEKI K.	SERHANE H.	SHAHBAKHTI H.	SHARMA S.	SHIBLI M.
SCOTT D.	SEKIMOTO Y.	SERINO F.	SHAHBAKHTI H.	SHARMA V.	SHIBUYA J.
SCOTT G.	SEKINE A.	SERIZAWA R.	SHAHBBAZI KHAMAS S.	SHARMAN K.	SHICHINOHE T.
SCOTT I.	SEKIYA K.	SERMET-GAUDELUS I.	SHAHDAB N.	SHASTRI N.	SHIGDEL R.
SCOTT K.	SELA MOGLU M.	SERNA PASCUAL M.	SHAHEEN S.	SHATTOCK E.	SHIGEMURA M.
SCOTT K.	ŞELB J.	SERNA VALVERDE A.	SHAHEEN S.	SHATZMAN	SHIGEOKA H.
SCOTT S.	SELBERG S.	SERON P.	SHAHI R.	STEUERMAN R.	SHIH V.
SCOTTON C.	SELCUK A.	SERPA I.	SHAHID P.	SHAUKAT M.	SHIH V.
SCOTTON C.	SELÇUK M.	SERRA P.	SHAHID S.	SHAVIT A.	SHIIBA R.
SCOTTON C.	SELIM A.	SERRAJ M.	SHAHRI S.	SHAW D.	SHIM H.
SCOUBEAU C.	SELLAMI M.	SERRAJ M.	SHAHROOEI M.	SHAW D.	SHIM H.
SCREATON N.	SELLAMI R.	SERRA-MITJÀ P.	SHAIKH A.	SHAW E.	SHIM J.
SCREATON N.	SELLARES J.	SERRANO A.	SHAIKH N.	SHAW J.	SHIM Y.
SCUDERI G.	SELLARES TORRES J.	SERRANO L.	SHAIKH N.	SHAW J.	SHIMA K.
SCULLION J.	SELLE J.	SERRANO	SHAILESH H.	SHAW M.	SHIMADA A.
SCUREK M.	SELLITRI F.	FERNANDEZ L.	SHAKER S.	SHAW M.	SHIMAUCHI T.
SEBASTIÁN MORA-GIL M.	SELVAKUMAR B.	SERRANO VEGUILLAS C.	SHAKER S.	SHAW S.	SHIMODA M.
SEBASTIANI J.	SELVARAJAH B.	SERTOGULLARINDAN B.	SHAKESPEARE J.	SHAW T.	SHIN B.
SEBBANE M.	SELZLER A.	SERTTAŞ GÜVEN G.	SHAKIEV N.	SHAWQI M.	SHIN D.
SEBRI I.	SEMEANOVA A.	SESE L.	SHAKYA R.	SHEA M.	SHIN H.
SECALL L.	SEMENZATO U.	SESKAITE G.	SHALA F.	SHEAHAN D.	SHIN H.
SECCOMBE L.	SEMIANIV I.	SESSA A.	SHALMON T.	SHEAHAN-PARRY M.	SHIN H.
SECEN N.	SEMIANIV M.	ŞESTÁKOVÁ Z.	SHAN M.	SHEARD S.	SHIN H.
SECK F.	SEMITEKOLOU M.	SETA N.	SHANG S.	SHEARES K.	SHIN J.
SECK-MBOUP F.	SEMPLE S.	SETEMBRE BATAH S.	SHANKAR D.	SHEARS K.	SHIN J.
SEDDA G.	SEMPLE T.	SETESMBRE BATAH S.	SHANKAR-HARI M.	SHEEHAN C.	SHIN K.
SEDDON P.	SEMPRICH C.	ŞETINA ŠMID S.	SHANKS S.	SHEEHY B.	SHIN M.
SEDHOM N.	SEMPRINI A.	SETNIKAR KIMOVEC G.	SHANMUGANATHAN A.	SHEERAN PURCELL E.	SHIN S.
SEDIARI M.	SEMPRINI R.	SETUBAL J.	SHANMUGASUNDAR AM K.	SHEHADEH S.	SHINAGAWA N.
SEDKAOUI K.	SEN E.	SEVELSTED A.	SHANMUGASUNDAR AM M.	SHEIKH A.	SHINOHARA Y.
SEDLÁK R.	SEN S.	SEVIK A.	SHANNON H.	SHEIKH E.	SHINOHARA Y.
SEDLÁK V.	SEN S.	SEVINÇ C.	SHAO G.	SHEIKH S.	SHINOMIYA S.
SEE K.	SEN V.	SEWALD K.	SHAO J.	SHEKARNABI M.	SHINOZAKI S.
SEEAR P.	SENARATNA C.	SEYEDPOUR S.	SHAO P.	SHELDON A.	SHINOZAKI Y.
SEEBACHER C.	SENDA D.	SEYS L.	SHAO Z.	SHELTON R.	SHIOTA A.
SEEGER A.	SENDA K.	SFAR H.	SHAPER A.	SHEN E.	SHIOZAWA A.
SEEGER W.	SENDEREK T.	SFIKA M.	SHAPIRO S.	SHEN H.	SHIRAI T.
SEELEUTHNER Y.	SENEVIRATNE S.	SFIKAKIS P.	SHAPIRO S.	SHEN H.	SHIRAI Y.
SEELIGER B.	SENGUPTA A.	SGARBOSSA T.	SHARIFAN A.	SHEN J.	SHIRAISHI M.
SEEESEQUASIS J.	SENGUPTA S.	SGRAZZUTTI L.	SHARKEY M.	SHEN Q.	SHIRASAKI Y.
SEEESEQUASIS W.	SENJYU H.	SHAABAN L.	SHARMA A.	SHEN W.	SHIRATORI Y.
SEGARRA CASAS A.	SENNA G.	SHAFIEK H.	SHARMA A.	SHEN Y.	SHIRDEL S.
SEGEL M.	SENOL M.	SHAFRAN I.	SHARMA A.	SHEPARD A.	SHITOV V.
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SEGURA AYALA D.	SEOANE-PILLADO M.	SHAH A.	SHARMA B.	SHER L.	SHKONDIN S.
SEGURA ROMERO M.	SEOL C.	SHAH A.	SHARMA K.	SHER M.	SHLOBIN O.
SEHGAL A.	SEPHTON J.	SHAH A.	SHARMA K.	SHERBANY H.	SHMUELI E.
SEHGAL I.	SEPULVEDA C.	SHAH D.	SHARMA L.	SHERIDAN C.	SHOEMARK A.
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SEIDEL K.	SEPÚLVEDA-LOYOLA W.	SHAH M.	SHARMA N.	SHERIDAN S.	SHORT P.
SEIDL E.	SEQUEIRA T.	SHAH N.	SHARMA P.	SHERIDAN S.	SHORT P.
SEIF M.	SERAFIM T.	SHAH N.	SHARMA P.	SHERINGHAM J.	SHORTMAN R.
SEIFERT M.	SERAFINI A.	SHAH N.	SHARMA R.	SHERMAN E.	SHRESTHA S.
SEIJGER C.	SERAINA W.	SHAH P.	SHARMA R.	SHERMAN G.	SHRIMANKER R.
SEIJO L.	SERAMONDI R.	SHAH P.	SHARMA R.	SHETTY D.	SHROSBERY F.
SEIJO MACEIRAS L.	SERBES M.			SHETTY P.	SHTEINBERG M.
SEITHER P.				SHEVCHUK-BUDZ U.	SHTIPA O.
				SHI S.	

SHU C.	SILBERBRANDT A.	SIMONS S.	SIOGA A.	SKOUVIG PEDERSEN O.	SMITH H.
SHU D.	SILÉO C.	SIMONS S.	SIONIDOU M.	SKOV M.	SMITH I.
SHU FENG T.	SILGADO MARTÍNEZ L.	SIMOU A.	SIOPI D.	SKOWASCH D.	SMITH J.
SHUHUA C.	SILIBELLO C.	SIMPSON A.	SIOUTAS A.	SKRAHINA A.	SMITH J.
SHUKER S.	SILVA C.	SIMPSON A.	SIOUTAS C.	SKREDE B.	SMITH J.
SHUKLA S.	SILVA C.	SIMPSON A.	SIOZOS P.	SKRGAT S.	SMITH J.
SHURESH KUMAR A.	SILVA E.	SIMPSON K.	SIPILÄ K.	ŠKRINJARIĆ-CINCAR S.	SMITH L.
SHUTO S.	SILVA F.	SIMPSON R.	SIQUEIRA A.	SKYLLBERG E.	SMITH L.
SHUTO T.	SILVA F.	SIMPSON S.	SIRARD J.	SLABBYNCK H.	SMITH L.
SHUTTLEWORTH M.	SILVA I.	SIMPSON S.	SIRAYDER U.	SLADE D.	SMITH M.
SHVACHKO V.	SILVA J.	SIMPSON S.	SIRENKO Y.	SLAMA R.	SMITH M.
SHVETS K.	SILVA J.	SIMPSON T.	SIRICHANA W.	SLAVIN J.	SMITH O.
SHYAMALI D.	SILVA J.	SIMSEK S.	SIRINO MONTEIRO J.	SLAWINSKA R.	SMITH R.
SIA L.	SILVA J.	SIN D.	SIRNES P.	SLEBOS D.	SMITH R.
SIACHPAZIDOU D.	SILVA L.	SIN D.	SIROIS C.	SLEEMAN M.	SMITH S.
SIADOUS N.	SILVA M.	SIN S.	SIROKHA D.	SLEEMAN M.	SMITH S.
SIAMPANI R.	SILVA M.	SIN V.	SIROL AFLAH S.	SLEEP DISORDERED BREATHING GROUP S.	SMITH V.
SIBBALD S.	SILVA M.	SINANI O.	SIROLI B.	SLEPCHENKO N.	SMOLINSKA A.
SIBILA O.	SILVA R.	SINCLAIR M.	SIROUX V.	SLETTENGREN O.	SMONDACK P.
SIBILA-VIDAL O.	SILVA V.	SINDEAUX R.	ŞIŞMANLAR EYUBOGLU T.	SLEVOGT H.	SMYTH H.
SIBILLE A.	SILVA QUEIROZ D.	SINDELAR R.	SISON-SAN LUIS J.	SLIM A.	SMYTH R.
SIBLEY S.	SILVA SOUSA M.	SINGANAYAGAM A.	SIT G.	SLIM T.	SMYTH R.
SIBLIA O.	SILVA-REIS A.	SINGAPURI A.	SIT N.	SLOCUM, D.O. P.	SMYTH S.
SICCARDI G.	SILVEIRA J.	SINGER L.	SITBON O.	SLOOHTAAK B.	SNEISTRUP L.
SICILIANO M.	SILVEIRA P.	SINGH A.	SIVAKUMARAN P.	SLOUGH J.	SNELL E.
SICKER N.	SILVERA G.	SINGH A.	SIVAN M.	SLY P.	SNENE H.
SICRE DE FONTBRUNE F.	SILVERMAN E.	SINGH D.	SIVANANDARAJAH A.	SMADHI H.	SNFMI S.
SIDDAIAH J.	SILVERMAN E.	SINGH D.	SIVAPALAN P.	SMADHI H.	SNIJERS D.
SIDDALL J.	SILVESTRE C.	SINGH G.	SIVARAMAN K.	SMADJA D.	SNKAR A.
SIDDHARTHAN T.	SILVI P.	SINGH G.	SIVASUBRAMANIAM G.	SMALCHUK D.	SNOECKX A.
SIDDHURAJ P.	SIM D.	SINGH K.	SIVEPALAN P.	SMALDONE G.	SNOUBER A.
SIDDIQUE R.	SIMÃO P.	SINGH M.	SIVORI M.	SMALL M.	SNOUSSE H.
SIDDIQUI R.	SIMAS RIBEIRO A.	SINGH M.	SIWIK D.	SMAOUN I.	SNOYDER L.
SIDDIQUI S.	SIMEIRE ALBERTINI C.	SINGH N.	SIYUE M.	SMED-SÖRENSEN A.	SNOYDER M.
SIDEBOTHAM D.	SIMEÓN-AZNAR C.	SINGH P.	SIYUE KOH M.	SMEELE P.	SO C.
SIDERFIN J.	SIMIOWSKI T.	SINGH P.	SJÖBERG F.	SMEENK F.	SO R.
SIDERI S.	SIMIOLI F.	SINGH S.	SJODING M.	SMEETS D.	SOARES C.
SIDHAYE V.	SIMIONICA I.	SINGH S.	SJÖLANDER A.	SMELAN J.	SOARES F.
SIDOROV A.	SIMKOVA I.	SINGH S.	SKALISTI P.	SMETS D.	SOARES M.
SIDOROVA J.	SIMMACO M.	SINGH S.	SKENDERAJ K.	SMEW A.	SOARES M.
SIEBERT K.	SIMMONDS N.	SINGH S.	SKENDULI I.	SMIRNOV S.	SOBHANI S.
SIEFKER D.	SIMMONDS N.	SINGH S.	SKENE I.	SMIRNOVA N.	SOBIECKA M.
SIEGERT E.	SIMMS- WILLIAMS N.	SINGH S.	SKEOCH S.	SMIT L.	SOBRADILLO ECENARRO P.
SIEOW N.	SIMMS-WILLIAMS N.	SINGH S.	SKIADAS J.	SMIT L.	SOBRAL REBELO P.
SIEOW N.	SIMÕES A.	SINGH T.	SKIECEVICIENE J.	SMIT M.	SOCCAL S.
SIERRA GARZON L.	SIMÕES F.	SINGH U.	SKINNER D.	SMITH A.	SOCCIO P.
SIERSMA V.	SIMÕES P.	SINGH V.	SKIPP P.	SMITH A.	SOCIAS L.
SIEVERDING L.	SI-MOHAMED S.	SINGH V.	SKIPPER N.	SMITH B.	SOCORRO ÁVILA I.
SIEVI N.	SIMON D.	SINGH V.	SKIVILD V.	SMITH C.	SODERBERG S.
SIEVI N.	SIMON M.	SINGHERA G.	SKJODT N.	SMITH D.	SÖDERHÄLL C.
SIEW J.	SIMON M.	SINGHERA G.	SKJOLD T.	SMITH D.	SÖDERLUND Z.
SIGALA I.	SIMON T.	SINGLETON D.	SKJØNSBERG O.	SMITH E.	SÖDERSTRÖM J.
SIGAUD F.	SIMON-CAMPOS J.	SINHA I.	SKOGBERG G.	SMITH E.	SOELLNER J.
SIGGINS G.	SIMONDS A.	SINHA S.	SKÖLD C.	SMITH E.	SOFIA N.
SIGNES-COSTA MIÑANA J.	SIMONELLI C.	SINHARAY R.	SKÖLD M.	SMITH E.	SØFTELAND E.
SIGNORINI M.	SIMONETTA E.	SINIS S.	SKOMRO R.	SMITH E.	SOGANI S.
SIGSGAARD T.	SIMONETTI J.	SINNING C.	SKONTZOU E.	SMITH E.	SOHAL S.
SIGURDSSON S.	SIMONIČ A.	SINOMIYA S.	ŠKORO M.	SMITH E.	SOHEL N.
SILATHAPANASAKUL K.	SIMONNEAU G.	SINSAMALA R.	SKORO-SAJER N.	SMITH E.	SÖHLER S.
	SIMONNEAU Y.	SINUES P.	SKOURIDES P.		SOHN M.
	SIMONOVIC I.				

SOIPETKASEM P.	SONNAPPA S.	SOUZA SCHAFAUSER N.	SRIBAIBOONKIJ P.	STATHOPOULOS G.	STERK P.
SOKHATSKA O.	SONNE T.	SOVANI M.	SRICHAROENCHAI T.	STAUDINGER H.	STERRANTINO S.
SOKOL G.	SONT J.	SOVIJÄRVI A.	SRICHATRAPIMUK S.	STAVEM K.	STETTLER M.
SOKOŁOWSKI R.	SOO C.	SOVILJ GMIZIĆ S.	SRINATHAN T.	STEAD R.	STEUER G.
SOLA IDÍGORA N.	SOOD N.	SOVTIC A.	SRINIVASAN K.	STEED L.	STEURER S.
SOLA-MARTÍNEZ J.	SOOMETS U.	SOYEZ B.	SRIPRASART T.	STEELE V.	STEURER-STEY C.
SOLÀ-MORALES O.	SOON E.	SPAAS J.	SRIVASTAVA A.	STEENACKERS K.	STEVEN C.
SOLANES I.	SOORONBAEV T.	SPADARO G.	SRIVASTAVA S.	STEENBRUGGEN I.	STEVENS C.
SOLANES GARCÍA I.	SOORONBAEV T.	SPAGGIARI L.	SRIVATSAN S.	STEENHUIS L.	STEVENS D.
SOLANO PÉREZ E.	SOORONBAYEV T.	SPAGNOLO P.	SROKA-SAIDI K.	STEENSTRA C.	STEVENS S.
SOLAR M.	SOOTLEK J.	SPAGOULAKIS D.	ST. PIERRE C.	STEER J.	STEVENS W.
SOLARAT B.	SOPIADOU A.	SPAHN J.	STA. MARIA P.	STEFANATOU M.	STEVES C.
SOLDAINI R.	SORANGELO S.	SPAIN N.	STAAB-WEJNITZ C.	STEFANIDIS E.	STEVIC R.
SOLDATI T.	SORANNA D.	SPALLEK R.	STAALI M.	STEFANIDIS K.	STEWART A.
SOLER A.	SORANO A.	SPALLETI M.	STACEY S.	STEFANO B.	STEWART C.
SOLER M.	SØRENSEN D.	SPALLUTO C.	STACEY T.	STEFANOVA	STEWART A.
SOLER X.	SØRENSEN K.	SPALLUTO C.	STACH T.	CHAKMA M.	STEWART D.
SOLER-COMAS A.	SØRENSEN R.	SPANEVELLO A.	STACHETZKI B.	STEFANSDOTTIR S.	STEWART G.
SOLER-MONTALVO D.	SORETE-ARBORE A.	SPANNELLA F.	STACHOWICZ N.	STEFFANINA A.	STEWART H.
SOLÉ-VIOLÁN J.	SOREZE Y.	SPARKS J.	STADDON L.	STEGBAUER M.	STEWART I.
SOLIMAN R.	SOREZE-SMAGGHUE Y.	SPARKS L.	STADLER S.	STEHLING F.	STEWART I.
SOLINAS S.	SORIANO A.	SPARREMAN-MIKUS M.	STADON L.	STEIER J.	STEWART N.
SÖLING C.	SORIANO J.	SPAZIANO G.	STAEHLER G.	STEIN M.	STEWART R.
SOLIS A.	SORIL L.	SPEARS M.	STÆHR JENSEN J.	STEIN N.	STEYAERT N.
SOLIS NAVARRO L.	SORKNÆS A.	SPECCHIA C.	STAELS F.	STEIN N.	STICK S.
SOLÍS-DÍAZ L.	SOROHAN M.	SPECTOR S.	STAES A.	STEIN Y.	STICKLAND M.
SOLODIANKIN O.	SORRENTINO L.	SPEICHER T.	STAFLE P.	STEINBERG E.	STICKLAND M.
SOLOMON J.	SOSSALLA S.	SPEKMAN J.	STAFLE R.	STEINBERG R.	STICKLAND M.
SOLOMON M.	SOTGIU G.	SPENCER L.	STAFOGGIA M.	STEINBERG Z.	STIROPOULOS P.
SOLOMON S.	SOTIROPOULOU A.	SPENCER L.	STAHL M.	STEINCHEN C.	STISTRUP
SOLOMON S.	SOTIROPOULOU V.	SPENGLER C.	STAHL T.	STEINDAL S.	RASMUSSEN S.
SOLOMONS R.	SOTIROPOULOU V.	SPERANDIO P.	STAICU (MIHAI) A.	STEINDOR M.	STJEPANOVIC N.
SOLONGO B.	SOTIROPOULOU Z.	SPERLING S.	STAINER A.	STEINE K.	STJERNBORG L.
SOLORZANO	SOTO J.	SPETSOTI S.	STAINSBY V.	STEINER M.	STOBO D.
EGURBIDE J.	SOTO ABÁNADES C.	SPIES C.	ŠTAJDUHAR A.	STEINER M.	STOBO J.
SOLOZABAL-COLL M.	SOUDÉE C.	SPIESSHOEFER J.	STALDER	STEINFORT D.	STOCH S.
SØLTØFT D.	SOUHA K.	SPIESHOEFER J.	SIEBENEICHLER A.	STEINFÜHRER K.	STOCK J.
SOLYMOSI D.	SOUILAH S.	SPIES L.	STALLARD R.	STEINIER C.	STÖCKLEIN S.
SOMA T.	SOUISSI F.	SPINELLI S.	STÄLLBERG B.	STEINKE E.	STOCKLEY R.
SOMALWAR S.	SOULOUNTSI V.	SPINICCI M.	STAMATATOS I.	STEINWENDER M.	STOCKLEY R.
SOMAY G.	SOUMA R.	SPINO U.	STAMOU M.	STEIROPOULOS P.	STOCKLEY R.
SOMMA J.	SOUAGNE T.	SPITALERI A.	STAMPANONI M.	STELLA B.	STOCKTON M.
SOMOGYI P.	SOUAGNE T.	SPITALERI D.	STAMPFLI M.	STELLA F.	STOEGER T.
SOMOGYI V.	SOUTEN T.	SPITALERI D.	STANDL M.	STELLA G.	STOFFELS A.
SON E.	SOURS A.	SPITERI G.	STANEL S.	STELLARI F.	STÖHR S.
SON E.	SOUSA A.	SPITHOVEN J.	STANEL S.	STELMACH R.	STOIMENOVA P.
SON K.	SOUSA C.	SPITTLE D.	STANISCI I.	STELZMÜLLER I.	STOJANOVIC G.
SON K.	SOUSA P.	SPOLETINI G.	STANKOVIĆ I.	STENBERG G.	STOJANOVIC Z.
SONBAHAR ULU H.	SOUSA-PINTO B.	SPOORTHY F.	STANLEY B.	STENEJHEM E.	STOKER N.
SØNDERGAARD F.	SOUTHWOOD M.	SPOSITO F.	STANNEK K.	STENFORS N.	STOKHOLM J.
SONDERMEIJER B.	SOUTHWORTH T.	SPROOTEN R.	STANOJEVIC S.	STENLÖF K.	STOLERIU M.
SØNDRERSKOV DAHL L.	SOUTO FERRAZ M.	SPRUIT M.	STANSEN W.	STENSRUD T.	STOLERIU M.
SONG C.	SOUTO FERRAZ M.	SPRUIT M.	STANZEL F.	STENZEL N.	STOLESKI S.
SONG J.	SOUTO MOURA C.	SPRUIT M.	STANZIOLA A.	STEPHAN S.	STOLK J.
SONG J.	SOUTO-CAMBA S.	SPRYATOS D.	STAPLES K.	STEPHAN-FALKENAU S.	STOLLBERG K.
SONG J.	SOUTO-MIRANDA S.	SQUARZONI G.	STAPLES K.	STEPHENS T.	STOLT D.
SONG J.	SOUTO-MOURA C.	SQUILLACIOTI G.	STARCEVICH E.	STEPHENSON K.	STOLTEFUß S.
SONG W.	SOUZA H.	SQUILLANTE F.	STARCHENKO P.	ŠTERCLOVÁ M.	STOLZ C.
SONGRIN M.	SOUZA H.	SQUIRES J.	STARY G.	STERGIAKOULI E.	STOLZ D.
SONIA H.	SOUZA J.	SRDIĆ D.	STASTNA N.	STERINGER-	STONE E.
SONIA M.		SREEDEVI K.	STATHAKIS G.	MASCHERBAUER R.	STONE H.
			STATHAKIS G.		STONE J.

STONE M.	C.	SUND M.	SVERZELLATI N.	SZOLKOWSKA M.	TAKAHASHI H.
STONHAM C.	SUAREZ CUARTIN G.	SUNDARALINGAM A.	SVETLIZA G.	SZOLLOSI G.	TAKAHASHI H.
STOOS VEIC T.	SUÁREZ RUBIO M.	SUNDAY S.	SVILAROV I.	SZPECHCINSKI A.	TAKAHASHI K.
STORME N.	SUAREZ-CAUSADO A.	SUNDBOM F.	SVOBODA M.	SZTURMOWICZ M.	TAKAHASHI N.
STORNELLI S.	SUBBARAO P.	SUNDH J.	SVORRE JORDAN A.	SZULCEK R.	TAKAHASHI S.
STORRER K.	SUBIZA J.	SUNDRAM F.	SWABY C.	SZWARSTEIN P.	TAKAHASHI T.
STORTI M.	SUBRAMANIAN A.	SUNDSTRÖM J.	SWALE J.	SZWEBEL T.	TAKAKI M.
STOSHIKJ S.	SUBRAMANIAN V.	SUNDSTRÖM L.	SWALES C.	SZYMCHYK A.	TAKALA J.
STOUP T.	SUCCONY L.	SUNDVALL P.	SWAMI M.	T	TAKAMATSU K.
STOURNARA L.	SUCENA M.	SUNGKANUPARPH S.	SWAMINATHAN A.	T BOS S.	TAKASAKI J.
STOUSTRUP A.	SUDA E.	SUNGNAC W.	SWAN F.	T HILL A.	TAKASHIMA Y.
STOWASSER S.	SUDA T.	SUNJAYA A.	SWANEPOEL R.	T WEISS S.	TAKATA S.
STOWELL J.	SUDHIR R.	SUNJAYA A.	SWANEY J.	T YERKOVICH S.	TAKATA S.
ST-PIERRE J.	SUDRA M.	SUNMAN B.	SWANN J.	T. BURGE A.	TAKATS Z.
STRAKOSHA F.	SÜDY R.	SUNTHARALINGAM J.	SWARNAKAR R.	T. LE T.	TAKAYAMA M.
STRAND M.	SUEHS C.	SUNYER R.	SWARTE E.	T.KUTTY J.	TAKEDA T.
STRANGE C.	SUETAKE R.	SUOJALEHTO H.	SWENSEN C.	T.PEDERSEN C.	TAKEDA Y.
STRANKS L.	SUGA K.	SUPPINI N.	SWERLICK R.	TAALAIBEKOVA A.	TAKEI R.
STRANZINGER E.	SUGA T.	SUPPLE D.	SWIETLIK E.	TAALBERG E.	TAKEKOSHI D.
STRASSBERGER C.	SUGGETT J.	SUPPLI ULRIK C.	SWIETLIK E.	TABAJ G.	TAKEMURA M.
STRATAKOS G.	SUGITATE K.	SUR ROY A.	SWIFT A.	TABBÌ L.	TAKEYAMA T.
STRATAKOS G.	SUGIYA R.	SURAJ K.	SWIFT A.	TABE C.	TAKIDZE V.
STRAZDA G.	SUGIYAMA H.	SURATT B.	SWIFT A.	TABELING C.	TAKIGAWA Y.
STREBA C.	SUGIYAMA S.	SURAY TAN N.	SWIFT A.	TABERNEO HUGUET E.	TAKIGUCHI H.
STRECKER K.	SUGIYAMA Y.	SURCIN J.	SXINI P.	TABIRA K.	TALAEI M.
STREIBEL C.	SUH E.	SURETTE M.	SYAMLAL G.	TABKA O.	TALAEI PASHIRI M.
STRETTI F.	SUH I.	SURJAN G.	SYDYKOV A.	TABOA D.	TALASILA A.
STRICKER B.	SUH M.	SURJAN O.	SYED ABDULLAH I.	TABONI A.	TALIMTZI P.
STRICKER H.	SUHLING H.	SURMONT V.	SYK J.	TABORDA BARATA L.	TALKER L.
STRICKLAND S.	SUICO M.	SUSAI N.	SYKES D.	TABUCHI T.	TALLMAN K.
STRIDSMAN C.	SUIGO G.	SUSSUCHI DA SILVA L.	SYKES R.	TABUSADANI M.	TAL-SINGER R.
STRINGARIS A.	SUJEAN LIM C.	SUTHAR M.	SYKOROVA L.	TACHEVA T.	TALUKDAR M.
STRINGER K.	SUKKAR S.	SUTHAR N.	SYLVAIN M.	TACHFOUTI N.	TALWAR A.
STRINGER W.	SUKUMARAN P.	SUTHAR N.	SYLVESTER K.	TACHIBANA H.	TALWAR D.
STRIPARI	SUKUMARAN T.	SUTHARSAN S.	SYME-GRANT J.	TADA K.	TAM H.
SCHUJMAN	SULAIMAN 4.	SUTHERASAN Y.	SYMERSKY P.	TADA O WADA D.	TAM L.
NOGUEIRA D.	SULAIMAN I.	SUTINEN E.	SYMON F.	TADE A.	TAM T.
STRIZZI S.	SULAIMAN N.	SUTOYO D.	SYMONDS J.	TADOLINI M.	TAMARIT J.
STROBEL W.	SULDOVA H.	SUTRADHAR R.	SYNDA D.	TAE Y.	TAMAYO LOMAS L.
STROBL K.	SULLIVAN A.	SUTTER O.	SYNENKO T.	TAFELMAIER M.	TAMBLAY C.
STRODEL J.	SULLIVAN J.	SUTTORG N.	SYRIGOS N.	TAFURO F.	TAMBORINO S.
STRODTHOFF C.	SULTAN S.	SUZUKI A.	SYRINE A.	TAGGART C.	TAMISIER R.
STRÖKER L.	SULTANA N.	SUZUKI E.	SYSTROM D.	TAGGART C.	TAMM M.
STRUMAN I.	SULTANA S.	SUZUKI M.	SZABÓ A.	TAGHAYI J.	TAMM M.
STUBBS H.	SULZER T.	SUZUKI T.	SZABO A.	TAGLIAFERRO S.	TAMM R.
STUCKI J.	SUMER C.	SUZUKI T.	SZARVAS Z.	TAGUCHI O.	TAMMIA M.
STUDNÍČKA F.	SUN B.	SUZUKI T.	SZCZEGIELNIAK J.	TAHA A.	TAMOSIUNAS A.
STUMBLES E.	SUN B.	SUZUKI Y.	SZCZEPANKIEWICZ A.	TAHIR B.	TAMPLIN J.
STURESSON A.	SUN D.	SUZUKI Y.	SZCZEPANKIEWICZ D.	TAHIRAH F.	TAN 6.
STURKENBOOM M.	SUN D.	SUZUKI Y.	SZECSENYI J.	TAHIRI K.	TAN C.
STURM E.	SUN J.	SVANES C.	SZEFLER S.	TAHMAZ T.	TAN D.
SU F.	SUN J.	SVANIDZE T.	SZEKANECZ Z.	TAI A.	TAN H.
SU J.	SUN K.	SVÄRD R.	SZÉL V.	TAI T.	TAN H.
SU K.	SUN L.	SVENDSEN C.	SZEMRAJ J.	TAILLE C.	TAN J.
SU K.	SUN L.	SVENNINGSEN H.	SZÉNÁSI G.	TAIMA K.	TAN J.
SU T.	SUN L.	SVENNINGSEN S.	SZÉPFALUSI Z.	TAIVANS I.	TAN J.
SU Z.	SUN X.	SVENSSON A.	SZIGETI S.	TAJIRI T.	TAN J.
SUANSAN K.	SUN X.	SVENSSON J.	SZILÁGYI F.	TAK N.	TAN N.
SUAREZ Á.	SUN Y.	SVENSSON RASKH A.	SZLAVIK J.	TAKACS S.	TAN P.
SUAREZ M.	SUN Y.	SVERDLOV O.	SZLUBOWSKI A.	TAKAGI R.	TAN S.
SUAREZ V.	SUNAGA N.	SVERRILD A.	SZNAJDER J.	TAKAHASHI D.	TAN S.
SUAREZ CASTILLEJO	SUNANTA O.	SVERRILD A.			
	SUNAVALA A.				

TAN W.	TASHMETOVA G.	TEGAMI I.	TERZI N.	THEORELL HAGLÖW J.	THORNTON D.
TAN W.	TAŞKIN B.	TEGHI HEIBA M.	TERZIS G.	THEORELL-HAGLÖW J.	THORNTON J.
TAN W.	TASSANEYASIN T.	TEICHMANN S.	TERZOLO M.	THÉPAULT F.	THORNTON T.
TAN Y.	TASSOULAS A.	TEICHMANN# S.	TESCH M.	THÉVENIN R.	THORSEN J.
TAN Y.	TASTAN G.	TEIXEIRA A.	TESSARZ P.	THIBON C.	THORSTEINSSON T.
TANA A.	TATA A.	TEIXEIRA G.	TESSIER S.	THIELERT C.	THOULD H.
TANA ASLAN A.	TATA P.	TEIXEIRA ALVES L.	TESTELMANS D.	THIENEL U.	THOUVENIN G.
TANAKA H.	TATE M.	TEIXEIRA LOPES F.	TESTI I.	THIENEMANN F.	THROOSTERS T.
TANAKA H.	TATKOV S.	TEJERO GARCIA S.	TETIKKURT C.	THIERIE S.	THUILLET R.
TANAKA K.	TATLER A.	TEKGÖZ E.	TETIKKURT M.	THIERRY P.	THUMEREL M.
TANAKA N.	TATON O.	TEKIN A.	TETLEY T.	THIEUX M.	THUMERELLE C.
TANAKA N.	TATOPOULOS A.	TEKIN M.	TETLEY T.	THIJS W.	THUNNISSEN E.
TANAKA S.	TATOUSEK J.	TEKIN M.	TETT N.	THILESEN C.	THUNSTRÖM E.
TANAKA T.	TATSIS K.	TELATAR T.	TEULIER M.	THILLAI M.	THURNHEER R.
TANAKA Y.	TATSUMI K.	TELINI W.	TEUNISSEN S.	THIRUMARAN M.	THURSFIELD R.
TANAKA Y.	TAUBE C.	TELLES FREITAS P.	TEVES J.	THIRUVARUDCHELV AN A.	THUY DUONG LE M.
TANAKA Y.	TAUBER R.	TELLEZ D.	TEXEREAU J.	THIWAITES R.	THWAITES R.
TANASH H.	TAURINO E.	TELLI ATALAY O.	THABUT G.	THISSSEN S.	THWAITES R.
TANCK K.	TAUZIN M.	TELLO K.	THAKOR M.	THNG K.	THIAHLO S.
TANCK M.	TAVANO S.	TELLO S.	THAKRAR D.	THOGESAN M.	TIAN D.
TANCREDI G.	TAVANTI L.	TELLO MENA S.	THAKRAR R.	THÖLKEN C.	TIAN H.
TANDOC G.	TAVARES E.	TELLO-MENA S.	THALAMY A.	THOMAS B.	TIAN X.
TANG C.	TAVARES M.	TEMPERTON B.	THAM K.	THOMAS B.	TIBA M.
TANG C.	TAVENDALE R.	TEN BRINKE A.	THAMMASUDJARIT R.	THOMAS D.	TIBBITT C.
TANG D.	TAVERNA S.	TEN HAVE L.	THAMMAVARANUCU PT K.	THOMAS D.	TIBBITT C.
TANG S.	TAVERNARAKI K.	TENBUSCH M.	THÁNNELL K.	THOMAS F.	TIBERI S.
TANG W.	TAVERNIER G.	TENERO L.	THANGAKUNAM B.	THOMAS J.	TIBÉRIO I.
TANG X.	TAVOLY M.	TENES A.	THANING P.	THOMAS J.	TIBÉRIO I.
TANG Z.	TAVORNSHEVIN P.	TENG A.	THANOS L.	THOMAS K.	TIBÉRIO I.
TANGEDAL S.	TAWARA Y.	TENIENTE-SERRA A.	THANTHITAWEEWAT V.	THOMAS M.	TIBERIO L.
TÅNGEFJORD S.	TAWFIKE A.	TEO D.	THAPA S.	THOMAS M.	TIDDENS H.
TAN-HELERA B.	TAY J.	TEO F.	THAVAGNANAM S.	THOMAS M.	TIDDENS H.
TANIGUCHI Y.	TAY T.	TEO M.	THAXTON C.	THOMAS M.	TIDDENS H.
TANINO Y.	TAYLOR A.	TEO W.	THAYAKARAN R.	THOMAS N.	TIDDENS H.
TANNI S.	TAYLOR B.	TEOH O.	THE PROVIDING	THOMAS P.	TIDEMANDSEN C.
TANNINEN T.	TAYLOR J.	TEPER A.	MULTIDISCIPLINARY	THOMAS S.	TIDMARSH B.
TANQUE A.	TAYLOR R.	TEPPAN J.	ILD DIAGNOSES	THOMAS S.	TIE S.
TAPIA MANTILLA N.	TAYLOR R.	TEPWIMONPETKUN C.	[PROMISE] STUDY	THOMEER M.	TIEL GROENESTEGE E.
TARABISHI J.	TAYLOR S.	TER HAAR E.	GROUP ..	THOMPSON A.	TIELEMANS B.
TARANENKO A.	TAYLOR S.	TER HAAR E.	THEA PAMELA C.	THOMPSON A.	TIENG E.
TARANTINI F.	TAYLOR S.	TER WAARBEEK H.	THEAKER H.	THOMPSON A.	TIOW P.
TARANTINO F.	TAYTARD J.	TERADA K.	THÉBAUD B.	THOMPSON B.	TIOW* P.
TARAZONA-MEZA C.	TAZAWA R.	TERADA M.	THÉBERGE C.	THOMPSON C.	TIKKAKOSKI A.
TARIGHT S.	TAZI-MEZALEK R.	TERAI J.	THEE S.	THOMPSON J.	TIKKAKOSKI A.
TARLING E.	TCHERAKIAN C.	TERAMACHI R.	THEEGARTEN D.	THOMPSON R.	TILAK S.
TÁRNOKI Á.	TCHKONIA T.	TERAMOTO S.	THEERAWIT P.	THOMPSON S.	TILE L.
TÁRNOKI Á.	TEAGUE J.	TERANISHI S.	THEIS F.	THOMPSON S.	TILLINGHAST J.
TÁRNOKI D.	TEAGUE J.	TERCÉ G.	THEIS F.	THOMSEN C.	TILQUIN F.
TÁRNOKI D.	TEAR V.	TEREBESSY E.	THEIß S.	THOMSON F.	TIMBERMONT L.
TARRANT R.	TEBBUTT S.	TERHEGGEN-LAGRO S.	THEKKINKATTIL M.	THOMSON K.	TIMENS W.
TARREGA	TEBÉ C.	TERPSTRA L.	THEOCHARI E.	THOMSON L.	TIMMERMAN H.
CAMARASA J.	TEBÉ-CORDOMÍ C.	TERRA-FILHO M.	THEODORAKIS E.	THOMSON W.	TIMPSON N.
TARSIA P.	TEBET M.	TERRAS A.	THEODORAKOPOULO S I.	THOMSON L.	TINDLE G.
TASAKA S.	TEBOUL J.	TERRAS ALEXANDRE A.	THEODORAKOPOULO U M.	THÖNE P.	TINDOC J.
TAŞÇI C.	TEČER J.	TERRIN G.	THEODORE G.	THONG L.	TINÈ M.
TASHER D.	TECHERA M.	TERRIOU L.	THEODORIDOU A.	THORARINSDOTTIR H.	TINE JESS T.
TASHEVA V.	TEDONE M.	TERROVITOU C.	THEODOROU A.	THORMEN R.	TING J.
TASHIRO H.	TEE A.	TERSCHLUSE C.	THEOFANI E.	THORN A.	TING M.
TASHIRO K.	TEE A.	TERSTEEG-ZIJDERVELD M.	THEOHARI E.	THORNTON C.	TINNERBERG H.
TASHKIN D.	TEE J.		THEONI K.		TIOTIU A.
TASHMETOV K.	TEGAMI I.				
TASHMETOV X.					

TIPPLES K.	TOMASZEWSKI E.	TORRE-BOUSCOULET L.	TRAKADA G.	TRISÁN ALONSO A.	TSIOUDA T.
TIPTON C.	TOMBS L.	TORREGIANI C.	TRAMICE A.	TRISOLINI R.	TSIOUPROU I.
TIRAN B.	TOMER Y.	TORREGO A.	TRAMONTANO A.	TRITAR F.	TSIPA C.
TIRAPEGUI F.	TOMEZZOLI S.	TORREGO FERNÁNDEZ A.	TRAMPER J.	TRITTON T.	TSIRI P.
TISEKAR O.	TOMII K.	TORRENT A.	TRAN A.	TRIVEDI S.	TSIRIKOS G.
TISI M.	TOMIKO YAMADA DA SILVEIRA L.	TORRENT-VERNETTA A.	TRAN K.	TROESTER L.	TSOI M.
TISI S.	TOMIOKA H.	TORRES A.	TRAN M.	TROJAK R.	TSOLAKIS N.
TITZ A.	TOMISA G.	TORRES G.	TRAN M.	TROJAN T.	TSOLIA M.
TIYAKI ITO A J.	TOMISHIMA Y.	TORRES M.	TRAN T.	TROJNAR A.	TSOUKALAS D.
TJEŠIĆ-DRINKOVIĆ D.	TOMITA H.	TORRES CASTRO R.	TRAN T.	TRÖLTZSCH L.	TSOUKALAS G.
TO K.	TOMKOWSKI W.	TORRES DURÁN M.	TRAN T.	TROMBETTA LIMA M.	TSUBOSHIMA K.
TO M.	TOMLINSON G.	TORRES GÓMEZ D.	TRAN T.	TROMEUR C.	TSUBOUCHI H.
TO T.	TOMLINSON G.	TORRES GÓMEZ D.	TRAN T.	TROMPETTE A.	TSUBOUCHI K.
TO Y.	TOMMESANI C.	TORRES GÓMEZ D.	TRAN T.	TROOSTERS T.	TSUCHIDA A.
TOBIN J.	TOMMOLA M.	TORRES MARTÍ A.	TRAPASSO R.	TROPEA F.	TSUCHIDA T.
TOBINO K.	TOMOS I.	TORRES SÁNCHEZ I.	TRAPMAN L.	TROUSSIER F.	TSUCHIHASHI Y.
TODD J.	TOMOS P.	TORRES SILVA A.	TRAPNELL B.	TROVATO C.	TSUDA T.
TODD J.	TOMSA C.	TORRES* A.	TRASSL L.	TROXLER S.	TSUI C.
TODERIK A Y.	TONAMI R.	TORRES-CASTRO R.	TRAVAGLINO F.	TRUCCO F.	TSUI S.
TODO BOM F.	TONCHEVA A.	TORRES-CASTRO R.	TRAVERSI L.	TRUCHETET M.	TSUJI K.
TODORIĆ I.	TONDELLI M.	TORRES-DUQUE C.	TRAVES D.	TRUDO F.	TSUJI K.
TODORIKO L.	TONDO P.	TORRES-GÓMEZ D.	TREGIDGO L.	TRUDZINSKI F.	TSUKAGOSHI T.
TODOROVIC FABRO A.	TONELLI R.	TORRES-LACOMBA M.	TREGOUËT D.	TRUDZINSKI F.	TSUKITA S.
TOENGES G.	TONETTI T.	TORRONI L.	TRELEAVEN O.	TRUJILLO CASTILLA J.	TSUNEYOSHI S.
TOENNESEN L.	TONG A.	TORTOP D.	TREMBLAY G.	TRUJILLO MARTÍN E.	TSURUMAKI H.
TOENNESEN L.	TONG C.	TOSHNER M.	TREMBLAY-LABRECQUE P.	TRUM M.	TSURUOKA H.
TOFFART A.	TONGE P.	TOSHNIWAL S.	TREML M.	TRUMP-DURBIN L.	TSUZUKU A.
TOFOLEAN D.	TONIA T.	TOSI A.	TRENNERY C.	TRUONG M.	TSYBEN M.
TOGAWA R.	TÖNJES A.	TOSI D.	TREPIĆ N.	TRUSHELL-POTTINGER D.	TSYMBALIUK N.
TOGONIDZE T.	TONKIN J.	TOSO A.	TREPTOW E.	TRUYEN L.	TU C.
TOH K.	TØNNESEN P.	TOSOLINI A.	TRÉSORIER R.	TRYFON S.	TU L.
TOH T.	TOOR S.	TOSOLINI J.	TRETHEWEY S.	TRZASKOMA B.	TUBIG C.
TOHAMI A.	TOOTH G.	TOSSAN P.	TREVIÑO BENAVENTE J.	TRZEPIZUR W.	TUBIO PEREZ R.
TOHDA Y.	TOOVEY S.	TOST J.	TREVISANI M.	TSAGOULI S.	TUDOR SMITH C.
TOKARENKO O.	TOP M.	TOTAH T.	TRIAN T.	TSAGOULI S.	TUDORACHE V.
TOKATLI G.	TOPAL E.	TOTH A.	TRIANDAFILOU J.	TSAL C.	TUFAIL M.
TOKE S.	TOPALOVIC M.	TÓTH E.	TRIAANTAFYLIDIS C.	TSAL L.	TUFAIL M.
TOKI S.	TOPALOVIC M.	TÓTH I.	TRIAS SABRIA P.	TSAL M.	TUFANOĞLU B.
TOKITA S.	TOPCU A.	TOUAHRI R.	TRIAS-SABRIÀ P.	TSAL M.	TUFFET S.
TOKITA S.	TOPCUOĞLU C.	TOUBLANC A.	TRIGGIANI M.	TSAL P.	TUFFIER S.
TOKUNAGA S.	TOPIRCEANU A.	TOUBOUL A.	TRIGIANI M.	TSAL Y.	TUFMAN A.
TOKUNAGA Y.	TOPRAK S.	TOUIL A.	TRIGUEIRO ROCHA BARBOSA M.	TSAL Y.	TUFTS J.
TOLEDO A.	TOPRAK S.	TOUIL A.	TRIKI L.	TSAKONA A.	TUFVESSON E.
TOLEDO N.	TORAN P.	TOUIL I.	TRIKI M.	TSANAKAS J.	TUGAY D.
TOLEDO R.	TORBICKI A.	TOUILLOUX B.	TRIKI S.	TSANEVA-ATANASOVA K.	TUINMAN P.
TOLEDO DO NASCIMENTO E.	TORCHIA B.	TOUJANI S.	TRIMANDILI M.	TSAYLIS D.	TULA J.
TOLEDO PONS N.	TORDEUR C.	TOUMAN A.	TRIMECH S.	TSCHENETT H.	TUM P.
TOLEDO-PONS N.	TORÉN K.	TOUMBIS M.	TRIMECH S.	TSELEPI H.	TUMENULZII G.
TOLIĆ E.	TOREYIN Z.	TOUMPANAKIS D.	TRIMPET J.	TSELIOS K.	TUMMOLO M.
TOLNAI J.	TORII A.	TOUSSAINT M.	TRINCIANTI C.	TSENG C.	TUNCER D.
TOLOSA-WRIGHT M.	TORLASCHI V.	TOUVIER M.	TRINDADE DA SILVA N.	TSENG H.	TUNDO M.
TOMA C.	TORLOT H.	TOUW D.	TRINGALI G.	TSIAKOS K.	TUNNEY M.
TOMA C.	TÖRNBERG A.	TOUW D.	TRINIDAD T.	TSIAOUSIS M.	TUNNEY M.
TOMARELLI I.	TÖRNQVIST M.	TOWNEND J.	TRINKMANN F.	TSIAVIA T.	TUNSTALL T.
TOMÁS L.	TORO M.	TRABATTONI D.	TRIOCHE-EBERSCHWEILER P.	TSIKRIKA S.	TUOMILEHTO J.
TOMAS-CORDERO B.	TORP-PEDERSEN C.	TRABELSI B.	TRIPATHI S.	TSILINGIANNI I.	TUOMISTO L.
TOMASELLI S.	TORRACCHI S.	TRABELSI H.	TRIPATHI S.	TSILINGIRIS D.	TURA CEIDE O.
TOMASELLO A.	TORRE A.	TRABELSI Y.	TRIPATHI S.	TSIM S.	TURA-CEIDE O.
TOMASETTI M.	TORRE O.	TRACLET J.	TRIPATHI S.	TSIMIHODIMOS V.	TURAN B.
TOMASSETTI S.	TORREALBA C.	TRAILA D.	TRIPTO GOLAN I.	TSIMOURIS D.	TURAN M.
					TURAN P.

TURAREN GONZALEZ J.	UDRESCU L.	USKI O.	HERNANDEZ C.	VAN DEN BERGH O.	VAN HOEY C.
TURCHIARELLI V.	UDRESCU M.	USLU N.	VALENCIA-PÉREZ REA D.	VAN DEN BERK I.	VAN HOLLEBEKE M.
TURCONI G.	UDWADIA Z.	USMANI O.	VALENT A.	VAN DEN BORST B.	VAN HOOF E.
TURGUT B.	UEDA N.	USMANI O.	VALENTA R.	VAN DEN BOSCH W.	VAN HOOREN B.
TÜRKDOĞAN D.	UEDA N.	USMANOVA R.	VALENTI G.	VAN DEN HENGEL J.	VAN HOORENBEECK K.
TURKI C.	UEKI J.	USTIAN A.	VALENTIN J.	VAN DEN WIJNGAART L.	VAN INGEN J.
TURKOGLU A.	UEMURA T.	UTAGE Y.	VALENTIN S.	VAN DER AALST C.	VAN IPEREN P.
TÜRKTAŞ H.	UFUK ALTINTAŞ D.	UTANO K.	VALENTINO A.	VAN DER BORST B.	VAN KAN C.
TURKUT A.	UHL F.	UTANO Y.	VALENTINO M.	VAN DER BURG N.	VAN KERSEN W.
TURLYUN T.	UHLAND C.	UTENS C.	VALENTOVA-BARTAKOVA L.	VAN DER DOES A.	VAN KLINK J.
TURNER A.	UL MUNAMM S.	UUSITALO A.	VALENZA M.	VAN DER EERDEN M.	VAN KUIJK H.
TURNER A.	ULGEN O.	UYAN Z.	VALENZA PEÑA G.	VAN DER EERDEN M.	VAN LINGE C.
TURNER B.	ULIŃSKI R.	UYAROGLU O.	VALENZUELA C.	VAN DER GIESSEN J.	VAN LINGE C.
TURNER C.	ULLAH R.	UYTUN S.	VALERA J.	VAN DER HEIJDEN E.	VAN MAANEN R.
TURNER E.	ULLDEMOLINS A.	UZAN SHVARTZMAN S.	VALERA FELICES J.	VAN DER HORST F.	VAN MAELE C.
TURNER P.	ULLER L.	UZASLAN E.	VALERIO N.	VAN DER LAAN R.	VAN MEERBEECK J.
TURNER R.	ULLMAN N.	UZUNHAN Y.	VALERIO-PASCUA F.	VAN DER LEE I.	VAN MEERBEECK J.
TURNER S.	ULLMANN N.	UZUNOGLU B.	VALEYRE D.	VAN DER MOLEN M.	VAN MONTFRANS J.
TURNER S.	ULRICH S.	UZZAMAN N.	VALIPOUR A.	VAN DER MOLEN T.	VAN MOOK W.
TURNER S.	ULRICH S.	V	VALKENBORGH S.	VAN DER PALEN J.	VAN MUYLEM A.
TURTLE L.	ULRICH T.	V. MATIAS M.	VALLADARES R.	VAN DER PALEN J.	VAN NIJNATTEN J.
TURTON H.	ULRIK C.	VAARST J.	VALLEJOS E.	VAN DER PALEN J.	VAN NUIJS S.
TUSN J.	ULRIK C.	VACA R.	VALLIANOU N.	VAN DER PLAS M.	VAN OLMEN J.
TÜTÜN YÜMIN E.	UMANETS T.	VACCARO V.	VALLIANT S.	VAN DER POLL T.	VAN OORT P.
TUTUNEKEN Y.	UM-BERGSTRÖM P.	VACHIER I.	VALLIANT S.	VAN DER SAR I.	VAN ORSHOVEN K.
TUVIM M.	UM-BERGSTRÖM P.	VACHIÉRY J.	VALSECCHI C.	VAN DER STEDE T.	VAN OSTAHEYEN A.
TVETEN Y.	UMEDA M.	VADÁSZ I.	VALSECCHI L.	VAN DER VAART H.	VAN OVERBEKE M.
TWIDDY M.	UMUTLU L.	VADEL A.	VALVASON R.	VAN DER VALK P.	VAN PAASSEN P.
TWIGG H.	ÜNAL G.	VADHAVKAR S.	VALVERDE C.	VAN DER VALK P.	VAN RAEMDONCK D.
TYAGI M.	UNAT O.	VADIVEL A.	VALVERDE MOLINA J.	VAN DER VEER T.	VAN RAEMDONCK I.
TYAGI R.	UNGER K.	VAEL R.	VALYI-NAGY I.	VAN DER VEER T.	VAN RANST D.
TYAGI V.	UNGER S.	VAES A.	VAN AALDEREN W.	VAN DER WATT M.	VAN ROMPAY J.
TYAGI V.	UNO T.	VAES A.	VAN AKKER B.	VAN DER WEKKEN A.	VAN ROSSEM C.
TYKHOLAZ O.	UNTERMAN A.	VAFAI-TABRIZI F.	VAN AMSTEL R.	VAN DER WEL T.	VAN SCHIL P.
TYRONE D.	UNTERSCHENMANN A.	VAFEIADI M.	VAN AS - JANSSEN A.	VAN DER WIELEN M.	VAN SCHOOR J.
TYSHKO M.	ÜNVER O.	VAGHI A.	VAN BAELEN L.	VAN DER ZALM M.	VAN SLAMBROUCK J.
TYTARENKO N.	UNWIN J.	VAGO H.	VAN BEURDEN W.	VAN DIEPEN S.	VAN STEIJN S.
TZANAKIS N.	UPADAYA N.	VAGO M.	VAN BEURDEN W.	VAN DIEVOET M.	VAN STRALEN K.
TZATZADAKI E.	UPHAM J.	VÄHÄTALO I.	VAN BILSEN C.	VAN DIJK M.	VAN 'T HUL A.
TZATZADAKIS N.	UPPE A.	VAIA R.	VAN BLEYENBERGH P.	VAN DIJK S.	VAN 'T HUL A.
TZELIS D.	UPPERTON S.	VAIDYA A.	VAN BOVEN J.	VAN DIJK S.	VAN 'T WOUT E.
TZORTZAKI E.	UR RASOOL M.	VAILLANT G.	VAN BOVEN J.	VAN DIJK Y.	VAN TONGEREN M.
TZOUVELEKIS A.	URANGA	VAINBERG SLUTSKIN I.	VAN BRAECKEL E.	VAN DRUNEN C.	VAN UDEN C.
TZOUVELEKIS A.	ECHEVERRIA A.	VAJAUSKAS D.	VAN BURK L.	VAN ENGELN T.	VAN USSEL I.
TZUR Y.	URBANSKI H.	VAKOFTSI V.	VAN CLEEMPUT J.	VAN ES J.	VAN VAERENBERGH F.
U	URBANTAT R.	VAL F.	VAN DAM A.	VAN EWIJK B.	VAN WEERDT I.
UBAGS N.	URDANETA E.	VALACH C.	VAN DE BEEK D.	VAN EYNDHOVEN S.	VAN WEZENBEEK J.
UBAYDULLAEVA N.	URESHINO R.	VALAEE S.	VAN DE HEI S.	VAN GAEVER F.	VAN ZELLER C.
UCAR B.	URQUHART D.	VALDERRÁBANO C.	VAN DE HEI S.	VAN GEER I.	VAN ZELLER M.
UCAR M.	URQUIZA J.	VALDERRÁBANO SALAS B.	VAN DE MAAT A.	VAN GEFFEN C.	VAN ZELST C.
UCERO LEON M.	URRUTIA A.	VALDERRÁBANO-SALAS B.	VAN DE POL M.	VAN GEFFEN W.	VAN ZUTPHEN T.
UÇGUN H.	URRUTIA GAJATE A.	VALDERRAMA M.	VAN DE VEN A.	VAN GOGH C.	VANAUDENAERDE B.
UCHIDA T.	URS R.	VALDÉS-MORENO M.	VAN DE VEN G.	VAN GOSLIGA D.	VANAUDENAERDE B.
UCHIDA Y.	URUSOV S.	VALDIMARSDOTTIR B.	VAN DE WERKEN M.	VAN HAGE M.	VANBUIJS J.
UCHIDA Y.	USAI P.	VALE FERNANDES A.	VAN DEN BERG J.	VAN HEES H.	VANCHEESWARAN R.
UCHIMURA K.	USANDIVARAS M.	VALENCIA AZCONA B.	VAN DEN BERG J.	VAN HEES H.	VANCHERI C.
UCKUYU N.	USANSKY H.	VALENCIA-	VAN DEN BERGE M.	VAN HEIJST E.	VANDE VELDE G.
UDDIN A.	USEMANN J.		VAN DEN BERGE M.	VAN HELVOORT H.	VANDE WEYGAERDE Y.
UDDIN M.	USENKO G.		VAN DEN BERGH J.	VAN HERCK M.	VANDEKERCKHOVE
UDJUS C.				VAN HEUMEN S.	
UDOMDECH W.				VAN HOEK M.	

<u>O.</u>	<u>VASILATOU K.</u>	<u>VENERONI C.</u>	<u>VERNHET L.</u>	<u>VIETRI L.</u>	<u>VIRCHOW J.</u>
<u>VANDEMHEEN K.</u>	<u>VASILEVA A.</u>	<u>VENKATESWARAN R.</u>	<u>VERNON B.</u>	<u>VIGIER C.</u>	<u>VIRDEE S.</u>
<u>VANDEN BOSSCHE L.</u>	<u>VASSILEVA S.</u>	<u>VENKATNARAYAN K.</u>	<u>VERONESI G.</u>	<u>VIGLINO D.</u>	<u>VIRGILI F.</u>
<u>VANDENBROUCKE J.</u>	<u>VASYLE E.</u>	<u>VENKEN K.</u>	<u>VERONEZ V.</u>	<u>VIGO B.</u>	<u>VIRJI M.</u>
<u>VAN-DEN-RYM A.</u>	<u>VATHIOTIS I.</u>	<u>VENTO G.</u>	<u>VERPLANCKE V.</u>	<u>VIGORÈ M.</u>	<u>VIRSOLVY A.</u>
<u>VANDERHELST E.</u>	<u>VATRELLA A.</u>	<u>VENTURA L.</u>	<u>VERRESEN S.</u>	<u>VIINANEN A.</u>	<u>VISCA D.</u>
<u>VANDERSCHAEGHE E.</u>	<u>VAUTERIN D.</u>	<u>VENTURA M.</u>	<u>VERSHAKALEN J.</u>	<u>VIJAYA V.</u>	<u>VISCONTI L.</u>
<u>VANDERSTICHELEN G.</u>	<u>VAVOURANAKIS E.</u>	<u>VENTURA V.</u>	<u>VERSCHRAEGEN S.</u>	<u>VIJAYABARATHY R.</u>	<u>VISEKRUNA J.</u>
<u>VANDOROU K.</u>	<u>VAZQUEZ F.</u>	<u>VENTURELLI M.</u>	<u>VERSCHUEREN P.</u>	<u>VIJAYAKUMAR B.</u>	<u>VISSER E.</u>
<u>VANEGAS N.</u>	<u>VÁZQUEZ N.</u>	<u>VENUGOPAL K.</u>	<u>VERSI A.</u>	<u>VIJAYAKUMAR U.</u>	<u>VISSERS D.</u>
<u>VANEK J.</u>	<u>VÁZQUEZ LÓPEZ M.</u>	<u>VERA TAPIA P.</u>	<u>VERSTRAETE K.</u>	<u>VIJAYASARATHA K.</u>	<u>VITACCA M.</u>
<u>VANETTI C.</u>	<u>VAZQUEZ SANCHEZ R.</u>	<u>VERBAKEL J.</u>	<u>VERTUI V.</u>	<u>VIJVERBERG S.</u>	<u>VITALE G.</u>
<u>VANFLETEREN L.</u>	<u>VAZQUEZ-ARMENDARIZ A.</u>	<u>VERBAKEL J.</u>	<u>VERYKAKIS E.</u>	<u>VIJVERBERG S.</u>	<u>VITALI G.</u>
<u>VANFLETEREN L.</u>	<u>VÁZQUEZ-BURGOS N.</u>	<u>VERBANCK S.</u>	<u>VESENTINI R.</u>	<u>VIJVERBERG S.</u>	<u>VITERI V.</u>
<u>VANFLETEREN L.</u>	<u>VÁZQUEZ-LÓPEZ S.</u>	<u>VERBEKE K.</u>	<u>VESTBO J.</u>	<u>VILARINHO R.</u>	<u>VITOONPONG T.</u>
<u>VANFLETEREN L.</u>	<u>VÁZQUEZ-LÓPEZ S.</u>	<u>VERBEKEN E.</u>	<u>VESTERGAARD M.</u>	<u>VILARIÑO POMBO C.</u>	<u>VITRI B.</u>
<u>VANG GUNDERSEN B.</u>	<u>VÁZQUEZ-MERA S.</u>	<u>VERBELEN T.</u>	<u>VETHANAYAGAM D.</u>	<u>VILARO J.</u>	<u>VITTORAKIS S.</u>
<u>VANHEES J.</u>	<u>VECCHIONE A.</u>	<u>VERCALSTEREN E.</u>	<u>VETTER C.</u>	<u>VILAVERDE M.</u>	<u>VITTORAKIS S.</u>
<u>VANHEULE V.</u>	<u>VECELLIO L.</u>	<u>VERCIANO PEREIRA R.</u>	<u>VETTORETTI M.</u>	<u>VILELLA SABATE M.</u>	<u>VITULO P.</u>
<u>VANHOUTTE F.</u>	<u>VEDANT D.</u>	<u>VERDIER R.</u>	<u>VEYT N.</u>	<u>VILLA E.</u>	<u>VIVALDI G.</u>
<u>VANIK P.</u>	<u>VEDDER N.</u>	<u>VERDURI A.</u>	<u>VEZIRIS N.</u>	<u>VILLA M.</u>	<u>VIVANCO A.</u>
<u>VANKUIJK H.</u>	<u>VEDRENNE-CLOQUET M.</u>	<u>VERDY G.</u>	<u>VHORA H.</u>	<u>VILLACORTA SOTO A.</u>	<u>VIVERO F.</u>
<u>VANNACCI A.</u>	<u>VEERANKI P.</u>	<u>VERGANI M.</u>	<u>VIACROZE C.</u>	<u>VILLALVA O.</u>	<u>VIZIRIANNAKI S.</u>
<u>VANNUCCI D.</u>	<u>VEERARAGHAVAN S.</u>	<u>VERGARA M.</u>	<u>VIAL-DUPUY A.</u>	<u>VILLAMAGUA N.</u>	<u>VIZ-LASHERAS S.</u>
<u>VANOIRBEEK J.</u>	<u>VEEVÄLI K.</u>	<u>VERGARA-DAGOBETH E.</u>	<u>VIALLOA A.</u>	<u>VILLAMAGUA ARIAS N.</u>	<u>VIZZA C.</u>
<u>VANOVERSCHELDE A.</u>	<u>VEGA D.</u>	<u>VERGES S.</u>	<u>VIANA A.</u>	<u>VILLAMARIN L.</u>	<u>VIZZARI G.</u>
<u>VANSTAPEL A.</u>	<u>VEGA G.</u>	<u>VERGHESE P.</u>	<u>VIANA MANCUZO E.</u>	<u>VILLAMONTE S.</u>	<u>VIZZUSO A.</u>
<u>VANZELLER M.</u>	<u>VÉGVÁRI Á.</u>	<u>VERGNENEGRE C.</u>	<u>VIANELLO A.</u>	<u>VILLANUEVA M.</u>	<u>VLAAR A.</u>
<u>VARAS DE LA FUENTE A.</u>	<u>VEHRESCHILD M.</u>	<u>VERGNON J.</u>	<u>VIANI M.</u>	<u>VILLAR A.</u>	<u>VLACHANTONI I.</u>
<u>VARDALOGU I.</u>	<u>VEIGA A.</u>	<u>VERHAEGEN I.</u>	<u>VICCICA A.</u>	<u>VILLAR S.</u>	<u>VLADU M.</u>
<u>VARDAR YAGLI N.</u>	<u>VEIGA G.</u>	<u>VERHAEGEN J.</u>	<u>VICENS ANTÓN M.</u>	<u>VILLAR GARCIA J.</u>	<u>VLAHAKOS V.</u>
<u>VARDAR-YAGLI N.</u>	<u>VEILLET S.</u>	<u>VERHAMME K.</u>	<u>VICENS ZYGMUNT V.</u>	<u>VILLAR GOMEZ A.</u>	<u>VLAHOS R.</u>
<u>VARELA B.</u>	<u>VEILLON R.</u>	<u>VERHAMME K.</u>	<u>VICENS-ZYGMUNT V.</u>	<u>VILLAR-HERNÁNDEZ R.</u>	<u>VLASHKI E.</u>
<u>VARGA F.</u>	<u>VEISS-PEDERSEN P.</u>	<u>VERHULST S.</u>	<u>VICENTE I.</u>	<u>VILLARI P.</u>	<u>VLASMA J.</u>
<u>VARGA J.</u>	<u>VEITCH E.</u>	<u>VERIN E.</u>	<u>VICENTE SERRANO S.</u>	<u>VILLARROEL SILVA G.</u>	<u>VLASOVA N.</u>
<u>VARGA R.</u>	<u>VEJBY THORNDAL S.</u>	<u>VERLATO G.</u>	<u>VICENZI M.</u>	<u>VILLASIS M.</u>	<u>VLASSI L.</u>
<u>VARGA Z.</u>	<u>VEKENS K.</u>	<u>VERLEDEN G.</u>	<u>VICTOR DEGANUTTI KRAUSE M.</u>	<u>VILLASMI-HERNANDEZ N.</u>	<u>VLAYKOVA T.</u>
<u>VARGAS J.</u>	<u>VELASCO C.</u>	<u>VERLEDEN G.</u>	<u>VIDAL A.</u>	<u>VILLCA-ALÁ N.</u>	<u>VLIEGENTHART R.</u>
<u>VARGAS P.</u>	<u>VELASCO J.</u>	<u>VERLEDEN S.</u>	<u>VIDAL S.</u>	<u>VILLEGAS B.</u>	<u>VLIEGENTHART R.</u>
<u>VARGAS DUQUE P.</u>	<u>VELASCO GARRIDO J.</u>	<u>VERLEDEN S.</u>	<u>VIDAL GRELL A.</u>	<u>VILLEGAS R.</u>	<u>VOCOS M.</u>
<u>VARGAS ZAMBRANO J.</u>	<u>VELASCO RIESTRA P.</u>	<u>VERMA A.</u>	<u>VIDAL-CORTÉS P.</u>	<u>VILLENAL PORTELLA C.</u>	<u>VOET H.</u>
<u>VARGHESE D.</u>	<u>VELAZQUEZ-PIMENTEL D.</u>	<u>VERMA A.</u>	<u>VIDALES SEPÚLVEDA Z.</u>	<u>VILLENEUVE L.</u>	<u>VOGEL-CLAUSSEN J.</u>
<u>VARGHESE M.</u>	<u>VELDMAN C.</u>	<u>VERMA A.</u>	<u>VIDELA S.</u>	<u>VILLENEUVE L.</u>	<u>VOGELMEIER C.</u>
<u>VAROL Y.</u>	<u>VELDSTRA C.</u>	<u>VERMA M.</u>	<u>VIDELA TORO L.</u>	<u>VILLENEUVE L.</u>	<u>VOGELMEIER C.</u>
<u>VARONE F.</u>	<u>VELIDAKIS A.</u>	<u>VERMA R.</u>	<u>VIDYA N.</u>	<u>VILLENEUVE T.</u>	<u>VOGIATZAKIS E.</u>
<u>VARRASO R.</u>	<u>VELIKJ-STEFANOVSKA V.</u>	<u>VERMA S.</u>	<u>VIEGAS P.</u>	<u>VILLET G.</u>	<u>VOGIATZIS I.</u>
<u>VART P.</u>	<u>VELLA R.</u>	<u>VERMA S.</u>	<u>VIEGI G.</u>	<u>VILLIOT-DANGER E.</u>	<u>VOGT B.</u>
<u>VARTIAINEN V.</u>	<u>VELOSO P.</u>	<u>VERMANT M.</u>	<u>VIEIRA A.</u>	<u>VILTSANIUK O.</u>	<u>VOHLEN C.</u>
<u>VARUGHESE R.</u>	<u>VELTKAMP M.</u>	<u>VERMAUT A.</u>	<u>VIEIRA D.</u>	<u>VIÑAS O.</u>	<u>VOIRIOT G.</u>
<u>VARUNKIV O.</u>	<u>VELUCHAMY A.</u>	<u>VERMEER S.</u>	<u>VIEIRA E.</u>	<u>VINAY PADEY R.</u>	<u>VOISIN T.</u>
<u>VARVARÁ N.</u>	<u>VELUTHAT C.</u>	<u>VERMEERSCH K.</u>	<u>VIEIRA L.</u>	<u>VINCENT S.</u>	<u>VOISINE P.</u>
<u>VASARMIDI E.</u>	<u>VENA D.</u>	<u>VERMEULEN C.</u>	<u>VIEIRA M.</u>	<u>VINCLAIR C.</u>	<u>VOLAKOVA E.</u>
<u>VASCO C.</u>	<u>VENDITTI M.</u>	<u>VERMEULEN F.</u>	<u>VIEIRA NAIA J.</u>	<u>VINCZE K.</u>	<u>VOLCKAERTS T.</u>
<u>VASCONCELLO-CASTILLO L.</u>	<u>VENDITTO L.</u>	<u>VERMEULEN F.</u>	<u>VIEIRA PASSINI V.</u>	<u>VINEETA B.</u>	<u>VOLFSON E.</u>
<u>VASCONCELOS I.</u>	<u>VENDRELL M.</u>	<u>VERMEULEN R.</u>	<u>VIEIRA REIS R.</u>	<u>VINISKO R.</u>	<u>VOLK A.</u>
<u>VASELLI M.</u>	<u>VENEGAS C.</u>	<u>VERMEULEN R.</u>	<u>VIEJO AYUSO M.</u>	<u>VIO S.</u>	<u>VOLLAND S.</u>
<u>VASILAKI E.</u>	<u>VENEGAS J.</u>	<u>VERMOESEN R.</u>	<u>VIENTNEAU D.</u>	<u>VIOLA S.</u>	<u>VÖLLER M.</u>
	<u>VENEGAS-GARRIDO C.</u>	<u>VERNARDIS S.</u>	<u>VIERA L.</u>	<u>VIRBEL-FLEISCHMAN C.</u>	<u>VOLLMER S.</u>
		<u>VERNAZA V.</u>	<u>VIERHOUT A.</u>		<u>VOLLMER TORRUBIANO I.</u>
		<u>VERNET R.</u>	<u>VIERHOUT M.</u>		<u>VOLLSÆTER M.</u>

VOLOVAYA M.	WACHINOU A.	WAND O.	WANG S.	WATCHORN D.	WEINREICH U.
VÖLP A.	WACKER F.	WANDAEI V.	WANG T.	WATERS M.	WEINREICH U.
VOLPATO E.	WADA D.	WANDTKE T.	WANG T.	WATERS S.	WEINREICH U.
VOLPATO M.	WADA D.	WANG B.	WANG T.	WATERS S.	WEIR E.
VOLPI S.	WADA H.	WANG B.	WANG W.	WATKINS L.	WEISS G.
VOLPIANO L.	WADE R.	WANG B.	WANG W.	WATKINSON O.	WEISS L.
VOLPINI L.	WADE R.	WANG B.	WANG X.	WATKINSON R.	WEISS S.
VOLTA R.	WADELL K.	WANG C.	WANG X.	WATNE T.	WEISS T.
VON BERNUTH H.	WADHANE I.	WANG C.	WANG X.	WATSON A.	WEISS T.
VON DER THÜSEN J.	WAEIJEN-SMIT K.	WANG C.	WANG Y.	WATSON C.	WEISSMAN D.
VON GARNIER C.	WAELSCHER J.	WANG C.	WANG Y.	WATSON E.	WEISSMANN N.
VON GARNIER C.	WABA B.	WANG C.	WANG Y.	WATSON O.	WEISSMANN S.
VON GRUENEWALDT A.	WAGERS S.	WANG D.	WANG Y.	WATT K.	WELCH H.
VON HAM M.	WAGNER D.	WANG D.	WANG Y.	WATT M.	WELCKER M.
VON HARDENBERG S.	WAGNER D.	WANG D.	WANG Y.	WATTIE J.	WELDON S.
VON LEUPOLDT A.	WAGNER W.	WANG E.	WANG Y.	WATZ H.	WELFLEY H.
VON MUTIUS E.	WAGSTAFFE H.	WANG F.	WANG Y.	WAXMAN A.	WELHAM B.
VON WEIHE S.	WAHAB M.	WANG F.	WANG Z.	WAXMAN A.	WELK V.
VON WERDEN D.	WAI S.	WANG F.	WANG Z.	WEATHERALD J.	WELLAM H.
VON WULFFEN W.	WAIN L.	WANG F.	WANG Z.	WEATHERALL M.	WELLENS-MENSAH J.
VONDER M.	WAIN L.	WANG F.	WANG Z.	WEATHERLEY L.	WELLER D.
VONK J.	WAIN L.	WANG G.	WANG Z.	WEATHERLEY N.	WELLMAN A.
VONK J.	WAKAYAMA T.	WANG H.	WANG Z.	WEAVER C.	WELLMAN D.
VONK J.	WAKIM J.	WANG H.	WANG-JAIRAJ J.	WEAVER S.	WELLMANN N.
VONK J.	WAKULINSKI J.	WANG H.	WANGPAICHITR M.	WEAVER T.	WELLS A.
VONK	WALHA M.	WANG H.	WARD C.	WEBB P.	WELLS A.
NOORDEGRAAF A.	WALHA O.	WANG H.	WARD E.	WEBER H.	WELLS J.
VONK	WALI S.	WANG H.	WARD J.	WEBER J.	WELLS J.
NOORDEGRAAF A.	WALKER E.	WANG J.	WARD K.	WEBER P.	WELSH L.
VONTETSIANOS A.	WALKER N.	WANG J.	WARD K.	WEBSTER C.	WELSNER M.
VORSELAARS A.	WALKER P.	WANG J.	WARD M.	WECHSLER M.	WELTE T.
VOS A.	WALKER S.	WANG J.	WARD S.	WECHSLER M.	WELTE T.
VOS R.	WALKER S.	WANG J.	WARD T.	WECHSLER M.	WELTERS I.
VOSKREBENZEV A.	WALKER W.	WANG J.	WARD T.	WED ELADHAM M.	WEMEAU L.
VOß A.	WALKER W.	WANG J.	WARDEN D.	WĘDROWSKA E.	WEN C.
VOSS C.	WALLACE K.	WANG J.	WARDMAN H.	WEDZICHA J.	WEN F.
VOTRUBA J.	WALLBANKS S.	WANG J.	WARE L.	WEDZICHA J.	WEN F.
VOTTO M.	WALLBANKS S.	WANG J.	WARK P.	WEDZICHA J.	WEN J.
VOUIS T.	WALLEN NIELSEN E.	WANG J.	WARK P.	WEE W.	WEN S.
VOULGARELI I.	WALLER M.	WANG J.	WARM K.	WEEKS J.	WEN Y.
VOULGARIS A.	WALLIS L.	WANG J.	WARNATZ K.	WEERATUNGA P.	WEN-CHENG C.
VOZORIS N.	WALLSTRÖM O.	WANG K.	WÄRNBERG GERDIN S.	WEERSINK E.	WENDT A.
VRIJHEID M.	WALLY A.	WANG K.	WÄRNBERG GERDIN S.	WEERSINK E.	WENER R.
VU H.	WALLYN F.	WANG K.	WARNER M.	WEHLTE L.	WENG C.
VUCKOVIC D.	WÄLSCHER J.	WANG L.	WARPMAN	WEHR M.	WENNBERG T.
VUILLERMIN P.	WALSH K.	WANG L.	BERGLUND U.	WEHRMEISTER F.	WENNERGREN G.
VUJASINOVIC G.	WALSH S.	WANG L.	WARREN A.	WEI H.	WEN-SIN H.
VUJIČIĆ E.	WALSHAW M.	WANG L.	WASAMOTO S.	WEI Q.	WENSING M.
VUJOVIC I.	WALSTED E.	WANG L.	WASEDA Y.	WEI Y.	WERKSTRÖM V.
VUKIĆ DUGAC A.	WALTER J.	WANG L.	WASERMAN S.	WEI Y.	WERMERT D.
VUKIC DUGAC A.	WALTERS A.	WANG M.	WASHKO G.	WEICHERT T.	WERNER A.
VUKOJA M.	WALTERS G.	WANG N.	WASNICK R.	WEICHHART T.	WERNZ M.
VULPI M.	WALTERS G.	WANG P.	WASSERSTEIN M.	WEIDENFEL S.	WERTHEIM D.
VULTAGGIO A.	WALTERS H.	WANG Q.	WASTLHUBER A.	WEIDINGER D.	WESOŁOWSKI S.
VUONG V.	WALTERS R.	WANG R.	WAT D.	WEIGEL W.	WESSELS J.
VUPPUSETTY C.	WALUM J.	WANG R.	WAT D.	WEIGT S.	WESSELS J.
VYAS A.	WALZ L.	WANG R.	WATANABE H.	WEINBERG M.	WESSENDARP M.
VYAS Y.	WAN H.	WANG S.	WATANABE M.	WEINBERGER M.	WEST A.
W	WAN H.	WANG S.	WATANABE N.	WEINER I.	WEST N.
W ORME M.	WAN J.	WANG S.	WATANABE N.	WEINGARD B.	WEST N.
W WERLE R.	WAN N.	WANG S.	WATANABE T.	WEINKAUF A.	WESTALL G.
W. M. MURIS J.	WAN Y.	WANG S.	WATAYA H.		

WESTERDAHL E.	WIIG NIELSEN R.	WILLS C.	WOLLSCHING-STROBEL M.	WOUTERS A.	X
WESTERGREN-THORSSON G.	WIJKSTRA P.	WILMSEN K.	WOLMARANS K.	WOUTERS E.	X PATEL A.
WESTHÖLTER D.	WIJMANS L.	WILSHER M.	WOLTERS P.	WOUTERS E.	XANTHOU G.
WESTOBY J.	WIJNANT S.	WILSON A.	WOLTMANN G.	WOUTERS E.	XANTHOULI P.
WESTON E.	WIJSENBECK M.	WILSON A.	WON H.	WOUTERS E.	XAVERIUS IVAN F.
WESTRUPP N.	WIJSENBECK M.	WILSON A.	WON S.	WOUTERS E.	XAVIER R.
WETZKE M.	WIJSENBECK M.	WILSON C.	WONG A.	WOUTERS E.	XENAKI D.
WEYNAND B.	WIJSENBECK M.	WILSON D.	WONG A.	WOUTERS I.	XENOPHONTOS E.
WHEATLEY C.	WIJSENBECK-LOURENS M.	WILSON E.	WONG B.	WOUTERS I.	XESS I.
WHEATLEY-GUY C.	WIJSMAN P.	WILSON R.	WONG C.	WRAITH D.	XHEMALAJ D.
WHEELLOCK C.	WIJSMAN R.	WILSON R.	WONG C.	WREDE C.	XIA C.
WHEELLOCK Å.	WIKENHEISER-BROKAMP K.	WILTSHIRE L.	WONG E.	WRENCH C.	XIA K.
WHEELLOCK Å.	WIKMAN Å.	WIN A.	WONG E.	WRENGER S.	XIA T.
WHEELLOCK Å.	WIKSTRÖM A.	WIN T.	WONG G.	WRIGHT A.	XIA X.
WHEELLOCK C.	WILBREY-CLARK A.	WINKEL J.	WONG L.	WRIGHT C.	XIANG X.
WHEELLOCK C.	WILBREY-CLARK2 A.	WINDERS T.	WONG N.	WRIGHT J.	XIANG Y.
WHELAN M.	WILBURN A.	WINDISCH W.	WONG W.	WRIGHT M.	XIAO L.
WHETSTONE C.	WILCKE J.	WINGFIELD DIGBY J.	WONG W.	WRIGHTSON J.	XIAO W.
WHETSTONE C.	WILD G.	WINIARSKI S.	WONG W.	WRIGHTSON J.	XIAO W.
WHEWAY G.	WILD J.	WINKEL D.	WONG Y.	WRING S.	XIAO X.
WHITE C.	WILD J.	WINKELMAN T.	WONGCHAN R.	WROTEK A.	XIAO X.
WHITE I.	WILD J.	WINKELMAN T.	WONGHIRUNDECHA N.	WU C.	XIE E.
WHITE J.	WILD J.	WINKELMAN T.	WONGKARNJANA A.	WU C.	XIE J.
WHITE L.	WILD R.	WINNICA D.	WONGSRICHANALAI V.	WU D.	XIE L.
WHITE L.	WILKE R.	WINSA LINDMARK S.	WONG	WU H.	XIE S.
WHITE P.	WILKENS F.	WINSLOW M.	WOO A.	WU H.	XIE Y.
WHITE P.	WILKENS F.	WINTER H.	WOO A.	WU J.	XIN J.
WHITE R.	WILKENS H.	WINTERKAMP S.	WOO J.	WU J.	XING D.
WHITE R.	WILKINS C.	WINZEN A.	WOO K.	WU J.	XING E.
WHITE S.	WILKINS J.	WIQVIST K.	WOO S.	WU L.	XING X.
WHITE V.	WILKINS M.	WIRGUES A.	WOOD J.	WU N.	XING Y.
WHITEHEAD N.	WILKINSON A.	WIRTH L.	WOOD M.	WU P.	XIROMERISIOU G.
WHITEHOUSE A.	WILKINSON A.	WIRTZ H.	WOOD N.	WU P.	XIROUCHAKI N.
WHITEMAN M.	WILKINSON J.	WIRZ M.	WOOD N.	WU S.	XU C.
WHITFIELD C.	WILKINSON M.	WISE M.	WOOD R.	WU S.	XU D.
WHITMORE G.	WILKINSON R.	WISE R.	WOOD R.	WU S.	XU H.
WHITAMORE A.	WILKINSON S.	WISE R.	WOOD R.	WU W.	XU J.
WHITTINGTON A.	WILKINSON T.	WISEMAN D.	WOODCOCK A.	WU W.	XU J.
WIATR E.	WILKINSON T.	WISEMAN D.	WOODHEAD F.	WU W.	XU L.
WICHMANN K.	WILKINSON T.	WISEMAN R.	WOODLAND T.	WU X.	XU L.
WICKERSON L.	WILKINSON T.	WISMAN M.	WOODMAN R.	WU Y.	XU L.
WICKRAMASINGHE S.	WILL AERT S.	WISNIEWSKI P.	WOODRUFF M.	WU Y.	XU S.
WICKREMASINGHE M.	WILLEMS L.	WISSENBAACH D.	WOODRUFF P.	WU Y.	XU X.
WIDMANN M.	WILLEMS* L.	WISSER O.	WOODRUFF P.	WU Y.	XU X.
WIECZOREK K.	WILLERS C.	WISSMÜLLER M.	WOOLF W.	WU Y.	XU X.
WIEDEMANN K.	WILLERS C.	WISTUBA I.	WOOLHOUSE I.	WU Y.	XU Y.
WIELPÜTZ M.	WILLIAMS C.	WITHAM M.	WOOTEN M.	WU Y.	XU Y.
WIENKER J.	WILLIAMS C.	WITT C.	WOOTON S.	WU Y.	XU Z.
WIERSINGA W.	WILLIAMS K.	WITTERT G.	WOOTON S.	WU Y.	XU Z.
WIERTZ M.	WILLIAMS K.	WITZENRATH M.	WORGALL S.	WU Y.	XU Z.
WIESEL V.	WILLIAMS P.	WOEHRLE H.	WORKMAN L.	WU Z.	XUE C.
WIESSNER A.	WILLIAMS S.	WÖGRATH M.	WORLEY L.	WURZENBERGER C.	XUE L.
WIEST C.	WILLIAMS T.	WÖHRLE H.	WORLOCK K.	WUYTS M.	XUE M.
WIFFEN L.	WILLIAMS T.	WOJCIECH T.	WORRALL V.	WUYTS W.	XUE Y.
WIFFIN L.	WILLIAMS Z.	WOLDHUIS R.	WORRELL J.	WUYTS W.	XUE Y.
WIG N.	WILLIAMSON P.	WOLDHUIS R.	WORT J.	WUYTS W.	Y
WIGGANS R.	WILLIAMS-SIMMS N.	WOLF C.	WORT S.	WYLER E.	YAACOU B. A.
WIGGE L.	WILLINGER B.	WOLFF C.	WORTH H.	WYLER F.	YACINE M.
WIGGINS C.	WILLISON K.	WOLLIN L.	WORTLEY M.	WYNANDS Q.	YADAV S.
WIIG R.	WILLIXHOFFER R.	WOLLMER P.	WORTLEY M.	WYPASEK E.	YAHYA OUI A.
	WILLOWSON K.	WOLLSCHING- M.	WOSNIOK J.	WYROSTKIEWICZ D.	YAKOUB M.

YAKOUBI R.	YANG S.	YI D.	YOSHIDA Y.	ZAGKLA S.	ZDRAZILOVA-DUBSKA L.
YAKOVENKO O.	YANG T.	YI E.	YOSHIDA Y.	ZAGOREC N.	ZE A OBANDO C.
YAKOVENKO T.	YANG W.	YI J.	YOSHII C.	ZAHD M.	ZEB S.
YAKUSHIJI A.	YANG Y.	YI M.	YOSHIMATSU Y.	ZAIATS L.	ZECH A.
YAKUTIS E.	YANG Y.	YI Q.	YOSHIOKA T.	ZAIBI H.	ZEDER K.
YALÇIN E.	YANG Y.	YI KONG X.	YOSRA B.	ZAIDI S.	ZEGHMAR S.
YAM L.	YANG Y.	YIALLOUROS P.	YOSRA B.	ZAIE N I.	ZEHE TMAYER S.
YAMADA A.	YANGUI F.	YIALLOUROS P.	YOSRI M.	ZAIER C.	ZEIGER R.
YAMADA A.	YANGUI I.	YIALLOUROS P.	YOSUF A.	ZAIGHAM S.	ZEKIS T.
YAMADA K.	YANO K.	YIGIT S.	YOU C.	ZAINUDDIN I.	ZELIC L.
YAMADA R.	YANO R.	YIGITLILIR B.	YOUBI M.	ZAIRI S.	ZEMAITIS M.
YAMAGISHI M.	YAO B.	YII A.	YOUN J.	ZAJACOVA A.	ZEMAN F.
YAMAGUCHI R.	YAO L.	YILDIRIM A.	YOUN Y.	ZAKHAMA L.	ZEMEDIKUN D.
YAMAJI Y.	YAO L.	YILDIRIM A.	YOUNG H.	ZAKHAMA L.	ZEMZEM S.
YAMAMOTO H.	YAO R.	YILDIRIM A.	YOUNG J.	ZAKI S.	ZEMZEMI A.
YAMAMOTO K.	YAO W.	YILDIRIM H.	YOUNG L.	ZAKIS K.	ZENDAH I.
YAMAMOTO K.	YAO X.	YILDIZ A.	YOUNG R.	ZAKLOUTAL J.	ZENG S.
YAMAMOTO M.	YAO X.	YILDIZ E.	YOUNG S.	ZALACAIN JORGE R.	ZENG W.
YAMAMOTO M.	YAO Y.	YILDIZ F.	YOUSEF A.	ZALDIBAR M.	ZENG Y.
YAMAMOTO M.	YAQUB H.	YILDIZELI B.	YOUSSEF I.	ZALĘSKA M.	ZENG Z.
YAMAMOTO T.	YARHAM E.	YILMAZ A.	YOUSUF A.	ZALEWSKA A.	ZENNER D.
YAMAMOTO Y.	YARITA M.	YILMAZ A.	YOUSUF A.	ZAMANIAN R.	ZENON F.
YAMANO T.	YARNALL A.	YILMAZ H.	YOUSUF A.	ZAMARRÓN E.	ZERAATKAR D.
YAMANO Y.	YASACI Z.	YILMAZ YEĞİT C.	YRLID L.	ZAMARRÓN DE LUCAS E.	ZERBIB R.
YAMASHITA Y.	YASAMAMOTO N.	YILMAZ YELVAR G.	YSERBYT J.	ZAMBON A.	ZEREMSKI M.
YAMASHITA Y.	YASAR A.	YIN C.	YU C.	ZAMBON A.	ZEREN M.
YAMMINE S.	YASAR M.	YIN J.	YU C.	ZAMORA GARCÍA E.	ZERVAS D.
YAN F.	YASINSKA V.	YING S.	YU C.	ZAMPOGNA E.	ZERVAS E.
YAN X.	YASIR S.	YIOE V.	YU E.	ZANELI S.	ZERVAS E.
YANAGAWA M.	YASUDA I.	YIP K.	YU I.	ZANELLA A.	ZERVOU E.
YANAGI N.	YASUI H.	YIP W.	YU M.	ZANETTE B.	ZETOS A.
YANAGI S.	YATA N.	YIU K.	YU M.	ZANNIN E.	ZEYU Q.
YANAGISAWA S.	YATERA K.	YLISAUKKO-OJA T.	YU Y.	ZANOLIN M.	ZHADAN V.
YANAKA K.	YATES D.	YOKOKAWA T.	YU Z.	ZAOUALI M.	ZHAI Z.
YANARDAG E.	YATES W.	YOKOTA H.	YU LEE-MATEUS A.	ZAPATA M.	ZHANG B.
YANARDAG H.	YATOMI M.	YOKOYAMA A.	YUAN P.	ZAPATA T.	ZHANG C.
YANAZ M.	YATSKEVICH N.	YOKOYAMA T.	YUAN T.	ZAPATA COMAS T.	ZHANG C.
YANG B.	YATSUSHYN R.	YONG G.	YUCEL S.	ZAPATA-ORTEGA M.	ZHANG C.
YANG C.	YATSU S.	YONG M.	YUE J.	ZAPPA M.	ZHANG C.
YANG C.	YAZAN H.	YONIS H.	YUEN H.	ZAPPACOSTA B.	ZHANG C.
YANG C.	YAZBECK L.	YOO C.	YUJEN C.	ZAPPALA C.	ZHANG G.
YANG F.	YE A.	YOO D.	YÜKSEL H.	ZAR H.	ZHANG G.
YANG G.	YE L.	YOO H.	YÜKSEL YAVUZ M.	ZARAGKAS S.	ZHANG H.
YANG H.	YE Q.	YOO J.	YULDASHEV S.	ZARCHIN Y.	ZHANG H.
YANG H.	YE S.	YOO K.	YUMRUKUZ ŞENEL M.	ZARGOUNI A.	ZHANG J.
YANG I.	YE Z.	YOO Y.	YUNG E.	ZARIC B.	ZHANG J.
YANG J.	YEDES A.	YOON H.	YUNG L.	ZARIF N.	ZHANG J.
YANG J.	YEDILBAYEV A.	YOON H.	YUNQING L.	ZARIPOVA L.	ZHANG J.
YANG J.	YEH K.	YOON S.	YUSTE-SÁNCHEZ M.	ZARIWALA M.	ZHANG K.
YANG J.	YEHLE D.	YOON Y.	YUSUF F.	ZARKADI E.	ZHANG K.
YANG K.	YEKELER E.	YOOSEFI M.	YZERMANS J.	ŽARKOVIĆ M.	ZHANG K.
YANG K.	YEN A.	YOOSEFI MORIDANI M.	Z	ZAROGIANNIS S.	ZHANG K.
YANG L.	YEN H.	YORDANOV P.	ZABICKA M.	ZAROGOULIDIS K.	ZHANG L.
YANG L.	YENDE S.	YORKE J.	ZACHARASIEWICZ A.	ZASŁONA Z.	ZHANG M.
YANG L.	YENGUI F.	YÖRÜK B.	ZACHARIOU A.	ZATLOUKAL J.	ZHANG M.
YANG L.	YEO C.	YOSHIDA H.	ZACKS N.	ZAVAGLIA KABBACH E.	ZHANG N.
YANG M.	YEO H.	YOSHIDA K.	ZADI M.	ZAWANI N.	ZHANG P.
YANG P.	YEREMENCHUK I.	YOSHIDA M.	ZADI M.	ZAYTOUN H.	ZHANG P.
YANG R.	YEUNG L.	YOSHIDA M.	ZAFAR A.	ZDRAL A.	ZHANG Q.
YANG R.	YEUNG S.	YOSHIDA M.	ZAFEIRIDIS A.	ZDRAVESKI D.	ZHANG Q.
YANG S.	YEUNG-LUK B.	YOSHIDA M.	ZAFFANELLO M.		ZHANG R.
		YOSHIDA Y.			

ZHANG R.	ZHOU J.	ZORGATI H.
ZHANG R.	ZHOU L.	ZORPIDOU D.
ZHANG S.	ZHOU L.	ZORRILLA LORENZO V.
ZHANG S.	ZHOU M.	ZOU D.
ZHANG S.	ZHOU M.	ZOU Y.
ZHANG T.	ZHOU Q.	ZOU Z.
ZHANG T.	ZHOU S.	ZOUARI F.
ZHANG T.	ZHOU X.	ZOUARI H.
ZHANG X.	ZHOU X.	ZOUGLOS A.
ZHANG X.	ZHOU Y.	ZOUNEMAT KERMANI N.
ZHANG X.	ZHOU Y.	ZOUNEMAT-KERMANI N.
ZHANG X.	ZHOU Z.	ZOUR J.
ZHANG X.	ZHOU-SUCKOW Z.	ZOZ D.
ZHANG X.	ZHU H.	ZRIBI H.
ZHANG Y.	ZHU H.	ZRNIĆ M.
ZHANG Y.	ZHU J.	ZSIRAY M.
ZHANG Y.	ZHU J.	ZU Y.
ZHANG Y.	ZHU J.	ZUBAIR S.
ZHANG Y.	ZHU L.	ZUBAN A.
ZHANG Y.	ZHU M.	ZUBERI F.
ZHANG Y.	ZHU P.	ZUBKE M.
ZHANG Y.	ZHU Y.	ZUCCARINO F.
ZHANG Z.	ZIARNIAK K.	ZUCCATOSTA L.
ZHANG Z.	ZIAS N.	ZUCCHETTI S.
ZHANG Z.	ZIEGAHN N.	ZUCCON U.
ZHAO A.	ZIEGLER B.	ZUCCOTTI G.
ZHAO D.	ZIEL J.	ZUCOLOTO A.
ZHAO F.	ZIELONKA J.	ZUFFELLATO M.
ZHAO H.	ZIĘTKIEWICZ E.	ZÜGNER E.
ZHAO J.	ZIJP T.	ZUIL M.
ZHAO L.	ZIKIC A.	ZUIL MORENO M.
ZHAO M.	ZILBERMAN-ITSKOVICH S.	ZUJOVIC D.
ZHAO Q.	ZILIANI C.	ZULFIKAR S.
ZHAO T.	ZILIO B.	ZULIANI E.
ZHAO X.	ZILLIKENS M.	ZUNIC S.
ZHAO Y.	ZIMERMAM H.	ZUNIC S.
ZHAO Y.	ZIMERMAM H.	ZUO W.
ZHAO Y.	ZIMERMAM M.	ZUPAN M.
ZHENG B.	ZIMERMANN S.	ZUREL F.
ZHENG C.	ZIMMET P.	ZURKOVA M.
ZHENG G.	ZIMNA K.	ZUWALLACK R.
ZHENG J.	ZINDR V.	ZUYUAN G.
ZHENG J.	ZINKIN E.	ZVAVAMWE C.
ZHENG J.	ZINS M.	ZVER A.
ZHENG P.	ZIQING Z.	ZVOL I.
ZHENG W.	ZIREK F.	ZWAR N.
ZHENG X.	ZISMAN D.	ZWIJSEN K.
ZHI LI P.	ZISMAN L.	ZWINDERMAN A.
ZHONG C.	ZISSEL G.	ZYSMAN M.
ZHONG N.	ZITOUNI A.	
ZHONG N.	ZITOUNI I.	
ZHONG P.	ŽIVANOVIĆ D.	
ZHONG S.	ZIVKOVIĆ D.	
ZHOU B.	ZIVOTIC I.	
ZHOU C.	ZOBOLI M.	
ZHOU C.	ZOELLNER S.	
ZHOU C.	ZÖHRER B.	
ZHOU D.	ZÖLLEI É.	
ZHOU H.	ZOLTY R.	
ZHOU I.	ZOMPATORI M.	
ZHOU J.	ZONNEVELD M.	