Pre-congress content Session 1 00:00 - 23:59

Year in review: Clinical year in review

Aims : To provide an overview of the most relevant advances in diagnosis and treatment of some of the most prevalent respiratory diseases; to present the most important studies published in the last 12 months about clinical aspects of COVID-19, chronic obstructive pulmonary disease (COPD), asthma and interstitial lung disease.

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

Method(s) : General respiratory patient care

Tag(s) : Clinical, COVID

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

00:00	**COVID-19: impact on respiratory patients and prevention** Mona Bafadhel (Oxford (Oxfordshire), United Kingdom)	**1**
00:15	**COPD: implementing biomarkers to improve prognosis** Miriam Barrecheguren Fernandez (Barcelona, Spain)	**2**
00:30	**Severe asthma: classification and treatment** Guy Brusselle (Ghent, Belgium)	**3**
00:45	**Interstitial lung disease: improving classification and prognosis** Luca Richeldi (Roma, Italy)	**4**

Pre-congress content Session 2 00:00 - 23:59

Year in review: Paediatric year in review

Aims : To provide an update on four topics in paediatric respiratory medicine, namely, new developments in childhood interstitial lung diseases, COVID infections in children, paediatric sleep disordered breathing and the epidemiology of asthma; to highlight the most recent and significant literature and developments relating to these topics.

Disease(s) : Interstitial lung diseases | Paediatric respiratory diseases | Respiratory infections

Method(s) : Epidemiology General respiratory patient care

Tag(s) : Clinical, COVID, Translational

Target audience : Adult pulmonologist/Clinician, Medical Student, Nurse, Paediatrician, Physician in Pulmonary Training, Respiratory physiotherapist, Scientist (basic, translational), Clinical researcher, Journalist

00:00	**What's new in interstitial lung diseases in children?** Steve Cunningham (Edinburgh (Scotland), United Kingdom)	**5**
00:15	**Paediatric respiratory infections: COVID-19 in children** Elizabeth Whittaker (London, United Kingdom)	**6**
00:30	**What's new in paediatric sleep?** Kim Van Hoorenbeeck (Edegem (Antwerp), Belgium)	**7**
00:45	**What's new in the epidemiology of asthma?** Liesbeth Duijts (Rotterdam, Netherlands)	**8**

Pre-congress content Session 3 00:00 - 23:59

Year in review: Scientific year in review

Aims : To cover four key areas that were of particular importance in basic and translational lung research in 2020 and relate to the 2020 Nobel Prize in Chemistry, the congress theme of digital health and COVID-19 diagnosis and vaccination.

Disease(s) : Airway diseases | Paediatric respiratory diseases | Respiratory infections

Method(s) : Cell and molecular biology Imaging Respiratory intensive care

Tag(s) : Translational , COVID, Basic science

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, Journalist

00:00	**Lung-directed CRISPR/Cas9 gene editing** Patrick Harrison (Cork, Ireland)	**9**

00:15	**The immune response to COVID-19** Lore Vanderbeke (Leuven, Belgium)	**10**
00:30	**Artificial intelligence in pulmonary medicine** Danai Khemasuwan (Cleveland, United States of America)	**11**
00:45	**COVID-19 mRNA vaccines: a step forward from traditional vaccines?** Marco Cavaleri (Amsterdam, Netherlands)	**12**

Pre-congress content Session 4 00:00 - 23:59

Professional development: Educational supervision at work: clinical performance assessment

Practical skills to implement in your institution

Aims : to help participants recognise the different types of workplace-based assessment, including the pros and cons of each assessment type, and the importance of reliability, validity, transparency, feasibility and educational impact; to explain how to overcome common problems related to the assessment process; to highlight the importance of faculty training.

Method(s) : General respiratory patient care

Tag(s) : Clinical

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

Chairs : Lars Konge (Virum, Denmark), Robert Primhak (Sheffield (South Yorkshire), United Kingdom)

00:00	**Multi-source feedback tool: using coaching skills to give feedback** Robert Primhak (Sheffield (South Yorkshire), United Kingdom)	**13**
00:20	**Assessment of procedural skills DOPS & OSATS** Lars Konge (Virum, Denmark)	**14**
00:40	**Case based discussion as a formative assessment tool** Neil Gibson (Glasgow (Glasgow), United Kingdom)	**15**

Pre-congress content Session 5 00:00 - 23:59

Professional development: End of life care for the elderly asthmatic and COPD patients

Aims : to help the physicians 1) predict the natural course of an advanced disease in patients with asthma and COPD, and 2) develop a plan for palliative care and manage dyspnoea in terminally ill patients

Disease(s) : Airway diseases

Method(s) : Palliative care General respiratory patient care

Tag(s) : Clinical

Target audience : Respiratory critical care physician, General practitioner, Medical Student, Patient, Physician in Pulmonary Training, Adult pulmonologist/Clinician

Chairs : Mark W. Elliott (Leeds (West Yorkshire), United Kingdom)

00:00	**Detection of advanced disease, advance care planning and recognition of dying for people with COPD** Joan Escarrabill Sanglas (Barcelona, Spain), Andras Bikov (Budapest, Hungary)	**16**
00:20	**Should patients with life-threatening severe asthma be intubated?** Gennaro D'Amato (Napoli (NA), Italy)	**17**
00:40	**Symptom management at the end of life** Miriam Barrecheguren Fernandez (Barcelona, Spain)	**18**
01:00	**End-stage respiratory diseases and respiratory support** Stefano Nava (Bologna (BO), Italy)	**19**

Pre-congress content Session 6 00:00 - 23:59

Professional development: Supporting patients with behaviour change strategies

Engagement of patients in healthy behaviours

Aims : to improve the competence and performance of clinicians by promoting their active learning of empathic communication and motivational interviewing and by helping them to develop strategies for incorporating these techniques into patient care; to focus on how to effectively counsel patients in order to improve their overall lifestyle, including their diet, exercise and alcohol/tobacco use; to increase knowledge about empathic listening and motivational interviewing strategies and resources; to increase skills in empathic listening and motivational interviewing strategies; to increase the application of empathic listening and motivational strategies and resources.

Disease(s) : Sleep and breathing disorders Airway diseases

Method(s) : General respiratory patient care

Tag(s) : Clinical

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

Chairs : Sofia Belo Ravara (Covilhã, Portugal), Paraskevi Katsaounou (Athens, Greece)

00:20	**Infusing empathy into clinical encounters** Timothy Milbrandt (Rochester, United States of America), Heather Preston (Zumbrota, United States of America)	**20**
00:40	**Applying motivational interviewing strategies to enhance clinical outcomes in respiratory patients** Timothy Milbrandt (Rochester, United States of America), Heather Preston (Zumbrota, United States of America)	**21**

Pre-congress content Session 7 00:00 - 23:59

Experts view: Smoking and COVID-19 – what have we learned?

ERS VISION: panel discussion video

Aims : A panel of experts will discuss key areas, including: 1) evidence for increased susceptibility of smokers to COVID-19; 2) COVID-19 and the interference of the tobacco industry; 3) Smoking cessation – perspectives from low- and middle-income countries.

Disease(s) : Respiratory infections

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

Tag(s) : COVID, Translational

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

Chairs : Jonathan Grigg (London, United Kingdom), Linnea Hedman (Luleå, Sweden)

00:00	**Smoking and COVID-19 – what have we learned?** Sukhwinder Singh Sohal (Launceston (TAS), Australia), Thomas Hird (, United Kingdom), Richard Van Zyl-Smit (Cape Town, South Africa)	**22**

Pre-congress content Session 8 00:00 - 23:59

Experts view: Performing cardiopulmonary exercise testing in the COVID-19 era

Method(s) : Pulmonary function testing

Tag(s) : COVID, Clinical

Chairs : Rebekah Anstey (Cardiff, United Kingdom)

00:00	**Performing cardiopulmonary exercise testing in the COVID-19 era** William Stringer (Long Beach, United States of America), Afroditi Boutou (Thessaloniki, Greece)	**23**

Pre-congress content Session 9 00:00 - 23:59

Experts view: Respiratory physiology

Aims : To describe the parameters measured by oscillometry; To explain the physiological significance of the parameters measured by oscillometry; To contrast the information provided by oscillometry and by conventional pulmonary function testing.

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

Tag(s) : Clinical, Translational

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

Chairs : Natalia Belousova (Toronto, Canada)

00:00	**Respiratory physiology** Christina M. Spengler (Zürich, Switzerland), Sam Bayat (Grenobe, France)	**24**

Pre-congress content Session 11 00:00 - 23:59

Experts view: Utilising data from single cell approaches to study existing and recently emerging lung diseases

Method(s) : Cell and molecular biology

Tag(s) : Basic science, Translational

Chairs : Mareike Lehmann (München, Germany)

00:00	**Utilising data from single cell approaches to study existing and recently emerging lung diseases** Martijn C. Nawijn (Groningen, Netherlands), Kerstin Meyer (Cambridge, United Kingdom)	**26**

Pre-congress content Session 12 00:00 - 23:59

Experts view: Digital health surveillance in the thoracic surgery pathway

Method(s) : Surgery

Tag(s) : Digital health

Chairs : Sara Ricciardi (Bologna, Italy)

00:00	**Digital health surveillance in the thoracic surgery pathway** Babu Naidu (solihull (West Midlands), United Kingdom), Cecilia Pompili (Leeds, United Kingdom)	**27**

Pre-congress content Session 13 00:00 - 23:59

Experts view: Biomarkers in early-detection of lung cancer: current concepts

Aims : To give an update on the status of biomarkers in the context of lung cancer screening.
To identify challenges and pitfalls of biomarkers.

Disease(s) : Thoracic oncology

Method(s) : Cell and molecular biology

Tag(s) : Clinical, Translational

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Radiologist, Scientist (basic, translational), Medical Student, Physician in Pulmonary Training

Chairs : Charlotte De Bondt (Antwerpen, Belgium)

00:00	**Biomarkers in early-detection of lung cancer: current concepts** Luis M. Montuenga (Pamplona (Navarra), Spain)	**28**

Pre-congress content Session 14 00:00 - 23:59

Experts view: Pulmonary hypertension and interstitial pulmonary fibrosis

Disease(s) : Interstitial lung diseases Pulmonary vascular diseases

Method(s) : General respiratory patient care

Tag(s) : Clinical

Chairs : Catharina Moor (Rotterdam, Netherlands)

00:00	**Pulmonary Hypertension and IPF** Vincent Cottin (Lyon, France), Katerina Antoniou (Heraklion, Greece)	**29**

Pre-congress content Session 15 00:00 - 23:59

Experts view: Alpha 1 - antitrypsin deficiency: diagnosis and treatment

Aims : To understand how to diagnose AATD, and its pulmonary complications; to know which treatments to use for AATD related lung disease; to understand the indications for AAT augmentation

Chairs : Miriam Barrecheguren Fernandez (Barcelona, Spain)

00:00	**Alpha 1 - antitrypsin deficiency: diagnosis and treatment** Alice Turner (Birmingham (West Midlands), United Kingdom), Ilaria Ferrarotti (Pavia (PV), Italy)	**30**

Pre-congress content Session 16 00:00 - 23:59

Experts view: Hospital at home for the management of COVID-19

Aims : To provide an overview of alternatives to conventional hospitalization and continuous monitoring of patients after hospital discharge, with the aim of alleviating hospitals during the COVID-19 pandemic and increasing the resilience of healthcare systems.

Disease(s) : Respiratory infections

Method(s) : General respiratory patient care Public health

Tag(s) : COVID, Clinical, Digital health

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

Chairs : Joana Cruz (Leiria, Portugal)

00:00	**Hospital at home for the management of COVID-19** Carme Hernandez Carcereny (Barcelona, Spain), Louise Brien (Ashbourne, Ireland)	**31**

Pre-congress content Session 17 00:00 - 23:59

Experts view: Virtual/multimodal education, communication skills

The European Respiratory Society Presidential Summit 2021 panel discussion

Aims : to examine the current digital tools that can be used in respiratory healthcare. The part of European Respiratory Society Presidential Summit 2021, 'Digital respiratory medicine – realism vs futurism', discussing innovative, virtual/multimodal education and communication skills.

Method(s) : General respiratory patient care

Tag(s) : Digital health

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

Chairs : Anita Simonds (London, United Kingdom)

	How to care for and communicate with patients digitally Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom)	**32**
	Digital approaches to promote adherence to treatments and patient education Omar S. Usmani (London, United Kingdom)	**33**
	Digital training programmes: the best of new resources Maxime Patout (Mont-Saint Aignan, France)	**34**

Pre-congress content Session 18 00:00 - 23:59

Experts view: Digital health and innovation

The European Respiratory Society Presidential Summit 2021 panel discussion

Aims : to examine the current digital tools that can be used in respiratory healthcare. The part of European Respiratory Society Presidential Summit 2021, 'Digital respiratory medicine – realism vs futurism', discussing innovations in digital health.

Method(s) : General respiratory patient care

Tag(s) : Digital health

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

Chairs : Tamsin Rose (, United Kingdom)

	Digital home resources in clinical trial management Marlies S. Wijsenbeek (Rotterdam, Netherlands)	**35**
	How can digital health drive value based healthcare? Jim Hollingshead (San Diego, United States of America)	**36**
	Addressing digital exclusion Kjeld Hansen (Oslo, Norway)	**37**
	Digital health and data use Michael Strübin (, Belgium)	**38**

Pre-congress content Session 19 00:00 - 23:59

Experts view: Artificial intelligence and big data

The European Respiratory Society Presidential Summit 2021 panel discussion

Aims : to examine the current digital tools that can be used in respiratory healthcare. The part of European Respiratory Society Presidential Summit 2021, 'Digital respiratory medicine – realism vs futurism', discussing artificial intelligence and big data.

Method(s) : General respiratory patient care

Tag(s) : Digital health

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

Chairs : Anita Simonds (London, United Kingdom)

	Decision Support Systems and patient management Wim Vos (Liege, Belgium)	**39**
	Harnessing big data for evaluation and regulation of medicines Luis Correia Pinheiro (London, United Kingdom)	**40**
	Digital advances in disease surveillance and extended remit of ECDC Pasi Penttinen (Stockholm, Sweden)	**41**

Pre-congress content Session 21 00:00 - 23:59

Statements and technical standards: ERS/EAACI statement on adherence to international adult asthma guidelines

Aims : To recite the findings of an ERS/EAACI task force that: 1) Evaluated the understanding of and adherence to international asthma guidelines by health professionals of different specialties; 2) Assessed the effectiveness of strategies aimed at improving implementation of guideline recommendations; and 3) Compared guidelines adherence and treatment outcomes in patients managed by specialists (respiratory physicians or allergists) or generalists (internists or general practitioners); to identify the clinical benefits of optimal adherence to adult asthma clinical practice guidelines and will describe the most effective methods for achieving optimal adherence in different treatment settings, including multifaceted quality improvement projects and standardized pathways and thresholds for referral for specialist input.

Disease(s) : Airway diseases

Method(s) : Epidemiology Public health Pulmonary function testing

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Patient, Physician in Pulmonary Training

00:00	**ERS/EAACI statement on adherence to international adult asthma guidelines** Alexander Mathioudakis (Stockport, United Kingdom)	**43**

No Room Session 22 15:30 - 16:30

Assembly members' meeting: Assembly 9: Allied respiratory professionals

Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this Zoom webinar link

Chairs : Martijn A. Spruit (Horn, Netherlands), Daniel Langer (Leuven, Belgium), Chris Burtin (Diepenbeek, Belgium), Andreja Sajnic (Zagreb, Croatia), Jellien Makonga-Braaksma (Woudenberg, Netherlands), Joana Cruz (Leiria, Portugal), Rachel Ong-Salvador (Amsterdam, Netherlands)

No Room | Session 23 | 15:30 - 16:30

Assembly members' meeting: Assembly 6: Epidemiology and environment

Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this Zoom webinar link

Chairs : Charlotte Suppli Ulrik (Virum, Denmark), Ane Johannessen (Bergen, Norway), Joan B Soriano (Madrid, Spain), Rafael E. de la Hoz (New York, United States of America), Elif Dagli (Istanbul, Turkey), Orianne Dumas (Villejuif, France)

No Room | Session 24 | 15:30 - 16:30

Assembly members' meeting: Assembly 13: Pulmonary vascular diseases

Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this Zoom webinar link

Disease(s) : Pulmonary vascular diseases

Chairs : Marion Delcroix (Leuven, Belgium), Anton Vonk Noordegraaf (Amsterdam, Netherlands), Olivier Sitbon (Le Kremlin-Bicêtre, France), David Jiménez Castro (Madrid, Spain), Mona Lichtblau (Zürich, Switzerland)

No Room — Session 25 — 13:30 - 14:30

Assembly members' meeting: Assembly 8: Thoracic surgery and transplantation

Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this Zoom webinar link

Chairs : Stefano Elia (Roma (RM), Italy), Federica Meloni (Pavia (PV), Italy), Merel Hellemons (Rotterdam, Netherlands), Marcello Migliore (Catania (CT), Italy), Robin Vos (Leuven, Belgium), Kalliopi Athanassiadi (Athens, Greece), Michael Perch (Gentofte, Denmark)

No Room — Session 26 — 15:30 - 16:30

Assembly members' meeting: Assembly 4: Sleep disordered breathing

Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this Zoom webinar link

Disease(s) : Sleep and breathing disorders

Chairs : Winfried J. Randerath (Solingen, Germany), Sophia E. Schiza (Heraklion, Greece), Matteo Bradicich (Basel, Switzerland), Dries Testelmans (Leuven, Belgium)

No Room — Session 27 — 13:30 - 14:30

Assembly members' meeting: Assembly 14: Clinical techniques, imaging and endoscopy

Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this Zoom webinar link

Chairs : Jouke T. Annema (Amsterdam, Netherlands), Walter De Wever (Leuven, Belgium), Prashant Nemichand Chhajed (Mumbai, India), Christian B. Laursen (Odense, Denmark), Daniela Gompelmann (Vienna, Austria), Ádám Domonkos Tárnoki (Budapest, Hungary)

No Room — Session 28 — 15:30 - 16:30

Assembly members' meeting: Assembly 3: Basic and translational sciences

Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this Zoom webinar link

Chairs : Catherine Greene (Dublin 9, Ireland), Silke Meiners (München, Germany), Aurelie Fabre (Dublin 4, Ireland), H. Irene Heijink (Groningen, Netherlands), Agnes W. Boots (Maastricht, Netherlands), Niki Ubags (Epalinges, Switzerland)

No Room Session 29 13:30 - 14:30

Assembly members' meeting: Assembly 1: Respiratory clinical care and physiology

Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this Zoom webinar link

Chairs : Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Ioannis Vogiatzis (Newcastle upon Tyne, United Kingdom), Laura Fregonese (London, United Kingdom), Guido Vagheggini (Volterra (PI), Italy), Janwillem W. H. Kocks (Groningen, Netherlands), Vitalii Poberezhets (Vinnytsia, Ukraine), Sam Bayat (Grenobe, France), Frits M.E. Franssen (Horn, Netherlands), Lowie G.W. Vanfleteren (Gothenburg, Sweden)

No Room Session 30 15:30 - 16:30

Assembly members' meeting: Assembly 12: Interstitial lung diseases

Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this Zoom webinar link

Disease(s) : Interstitial lung diseases

Chairs : Venerino Poletti (Forlì, Italy), Katerina Antoniou (Heraklion, Greece), Michael Kreuter (Heidelberg, Germany), Elisabetta Renzoni (London, United Kingdom), Hilario Nunes (Bobigny, France), Francesco Bonella (Düsseldorf, Germany), Tiago Alfaro (Coimbra, Portugal)

No Room Session 33 13:30 - 14:30

Assembly members' meeting: Assembly 2: Respiratory intensive care

Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this Zoom webinar link

Disease(s) : Respiratory critical care

Chairs : Leo Heunks (Amsterdam, Netherlands), Marcus Schultz (Amsterdam, Netherlands), Christian Karagiannidis (Cologne, Germany), João Carlos Winck Fernandes Cruz (Vila Nova de Gaia, Portugal), Maxime Patout (Mont-Saint Aignan, France), Ignacio Martin-Loeches (Dublin, Ireland), Marieke L. Duiverman (Groningen, Netherlands)

No Room Session 34 15:30 - 16:30

Assembly members' meeting: Assembly 7: Paediatrics

Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this Zoom webinar link

Disease(s) : Paediatric respiratory diseases

Chairs : Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Alexander Möller (Zürich, Switzerland), Refika Hamutcu Ersu (Ottawa, Canada), Sejal Saglani (London, United Kingdom), Stojka Fustik (Skopje, North Macedonia), Marijke Proesmans (Leuven, Belgium), Theodore Dassios (London, United Kingdom), Liesbeth Duijts (Rotterdam, Netherlands), Dirk Schramm (Düsseldorf, Germany), Rory Morty (Heidelberg, Germany), Cristina Ardura-Garcia (Bern, Switzerland), Sharon Dell (Vancouver, British Columbia, Canada)

No Room Session 35 13:30 - 14:30

Assembly members' meeting: Assembly 5: Airway diseases, asthma, COPD and chronic cough

Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend, please use this Zoom webinar link

Disease(s) : Airway diseases

Chairs : Omar S. Usmani (London, United Kingdom), Apostolos Bossios (Stockholm, Sweden), Dave Singh (Manchester, United Kingdom), Florence Schleich (Liège, Belgium), Marco Idzko (Wien, Austria), Carolina Maria Gotera Rivera (Madrid, Spain), Antonio Spanevello (Milan, Italy)

No Room Session 36 15:30 - 16:30

Assembly members' meeting: Assembly 10: Respiratory infections

Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this Zoom webinar link

Disease(s) : Respiratory infections

Chairs : Eva Polverino (Barcelona, Spain), Raquel Duarte (Porto, Portugal), Cristina Calarasu (Craiova (Dolj), Romania), Michael Loebinger (London, United Kingdom), Alberto Garcia-Basteiro (Maputo, Mozambique)

No Room Session 37 18:00 - 19:00

Assembly members' meeting: Assembly 11: Thoracic oncology

Aims : To receive the latest assembly updates, including information on funding opportunities, upcoming deadlines, and ongoing projects. To register to attend this meeting, please use this Zoom webinar link

Disease(s) : Thoracic oncology

Chairs : Jan van Meerbeeck (Edegem (Antwerp), Belgium), Torsten Gerriet Blum (Berlin, Germany), Rudolf M. Huber (Munich, Germany), Najib M. Rahman (Oxford, United Kingdom), Adrien Costantini (Paris, France)

07:45-09:15
INDUSTRY VIRTUAL SYMPOSIUM SEE PAGE 1

08:15-09:15
INDUSTRY VIRTUAL SYMPOSIUM SEE PAGE 1

Channel 1 Session 40 09:30 - 11:30

Language session: French programme 2021
A joint ERS/SPLF session

Aims : This programme will be available in French.

Disease(s) : Respiratory critical care | Respiratory infections | Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology | Physiology | Respiratory intensive care

Tag(s) : Clinical, COVID

Target audience : Adult pulmonologist/Clinician, Respiratory critical care physician, Physiologist, Respiratory physiotherapist, Thoracic oncologist, Respiratory therapist

Chairs : Marc Humbert (Le Kremlin-Bicêtre, France), Chantal Raherison-Semjen (Pessac, France)

09:30	**Introduction**	**58**
09:35	**Thermoplastie bronchique : indications actuelles / Asthma thermoplasty: current indications** Guibert Nicolas (Toulouse, France)	**59**
09:50	**Prise en charge de l'emphysème : Approche personnalisée / Management of emphysema: personalised approach** Pierre-Régis Burgel (Paris, France)	**60**
10:05	**Où en est-on dans la prise en charge de la Covid en septembre 2021 ? / Management of COVID-19: where are we ?** Claire Andrejak (Amiens, France)	**61**
10:20	**Discussion and Q&A**	**62**
10:33	**Microbiote et cancer bronchique: l'exemple de l'immunothérapie / Microbiota and lung cancer: an example of immunotherapy** Lisa Derosa (, France)	**63**
10:48	**Pneumopathies infiltrantes diffuses sous immunothérapie / Interstitial lung diseases and immunotherapy** Jacques Cadranel (Paris Cedex 20, France)	**64**
11:03	**Exacerbation aiguë de la fibrose pulmonaire idiopathique: ce qu'il ne faut plus faire et ce qu'il reste à faire. / Acute exacerbation of idiopathic pulmonary fibrosis: what should not be done and what remains to be done?** Vincent Cottin (Lyon, France)	**65**
11:18	**Discussion and Q&A**	**66**

Channel 2 Session 41 09:30 - 11:00

Joint session: Vaccination and infections
ERS/Industry joint session

Aims : COVID 19 has demonstrated the importance of infection diseases in terms of morbidity and mortality, especially for people with chronic respiratory diseases. Vaccination is the most important preventive measure against this. Many vaccinations are recommended in our guidelines worldwide. Even so, vaccination rates are still low. The aim of this symposium is to present the current status in the development of various vaccines and thus move the importance of vaccination more into the focus of care for respiratory patients. SARSCorona2 as the new, influenza as the classic and pertussis infectious disease as the forgotten will be presented in this symposium. The current standing of vaccination and the development of vaccines for this will be reportedd. Strategies to increase vaccination rates will be discussed.

Disease(s) : Respiratory infections

Tag(s) : COVID, Clinical

Target audience : Adult pulmonologist/Clinician, Physician in Pulmonary Training, Respiratory critical care physician, Clinical researcher

Chairs : Tobias Welte (Hannover, Germany)

09:30	**Introduction** Tobias Welte (Hannover, Germany)	**67**
09:35	**COVID 19 vaccination** Leif Erik Sander (Berlin, Germany)	**68**
09:55	**New Influenza vaccines** Tobias Welte (Hannover, Germany)	**69**
10:15	**New pertussis vaccine** António Jaime Correia De Sousa (Porto, Portugal)	**70**
10:30	**Discussion and Q&A** Tobias Welte (Hannover, Germany), Leif Erik Sander (Berlin, Germany), António Jaime Correia De Sousa (Porto, Portugal)	**71**

Channel 3 Session 42 09:30 - 11:00

Oral presentation: Highlights for primary care in 2021

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.
This session includes the Best Abstract for Assembly 1 - Respiratory clinical care and physiology, entitled "Inhaled budesonide in the treatment of early COVID-19 illness: a randomised controlled trial”

Disease(s) : Airway diseases

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

Chairs : Janwillem W. H. Kocks (Groningen, Netherlands), Hanna Sandelowsky (Vendelso, Sweden)

OA72	**Introduction**
OA73	**Prioritising respiratory research needs in primary care: results from the International Primary Care Respiratory Group (IPCRG) global e-Delphi exercise** Rachel Jordan (Birmingham (West Midlands), United Kingdom), Arwa Abdel-Aal, Amanda Barnard , Izolde Bouloukaki , Job Fm Van Boven , Niels Chavannes , Andrew P Dickens, Frederik Van Gemert, Mercedes Escarrer, Shamil Haroon , Alex Kayongo , Bruce Kirenga, David Price, Peymané Adab, Rachel Adam Adam, Janwillem Kocks, Daniel Kotz, Karin Lisspers , Chris Newby, Cliodna Mcnulty , Esther Metting, Luis Moral, Sophia Papadakis , Hilary Pinnock , Dermot Ryan , Sally Singh , Jaime Correia De Sousa , Björn Ställberg , Stanley J. Szefler , Steph Taylor, Ioanna Tsiligianni , Alice Turner , David Weller , Dhiraj Agarwal, Aizhamal K. Tabyshova, Osman M Yusef, Siân Williams
OA74	**Trends in asthma incidence in children: a UK population-based cohort study** Constantinos Kallis (London, United Kingdom), Ann Morgan, Ekaterina Maslova, Ralf Van Der Valk, Trung N Tran, Ian P Sinha, Graham Roberts, Jennifer K Quint
OA75	**A clinical prediction model to support asthma diagnosis in children and young people in UK primary care** Luke Daines (Edinburgh (Edinburgh), United Kingdom), Laura Bonnett, Holly Tibble, Andy Boyd, Steve Turner, Steff Lewis, Aziz Sheikh, Hilary Pinnock
OA76	**Greenhouse gas emissions associated with asthma care in the UK: results from SABINA CARBON** Alexander JK Wilkinson (, United Kingdom), Alexander Wilkinson, Ekaterina Maslova, Christer Janson, Vasanth Radhakrishnan, Jennifer K Quint, Nigel Budgen, Trung N Tran, John P Bell, Andrew Menzies-Gow
OA77	**Effectiveness of a pharmacist-led inhalation technique intervention on asthma and COPD patients: The INspira cluster-randomized controlled trial** António T. Rodrigues (, Portugal), Sónia Romano, Mariana Romão, Carolina Bulhosa, Débora Figueira, Jose Alves
OA78	**Cost-effectiveness of single- vs multiple-inhaler triple therapy in a UK COPD population: INTREPID trial** Soham Shukla (KING OF PRUSSIA, United States of America), Robyn Kendall, Soham Shukla, Alan Martin, Dhvani Shah, Dawn Midwinter, Isabelle Boucot, Nancy A. Risebrough, Paul Jones, Chris Compton, Afisi Ismaila
OA79	**Perception of general practitioners for e-cigarettes as a smoking cessation aid: systematic review** Melis Selamoğlu (Melbourne, Australia), Bircan Erbas, Chris Barton

OA80	**Late Breaking Abstract - Impact of maintenance and reliever therapy (MART)-focused asthma guideline on SABA prescriptions** Michael Crooks (East Riding of Yorkshire, United Kingdom), Lucia Crowther , Helena Cummings , Judith Cohen , Chao Huang , Alyn Morice , Shoaib Faruqi , Jack Birchall , Yang Xu , Tamsin Morris
OA81	**Late Breaking Abstract - Factors associated with health-status of COPD patients on Dry Powder Inhaler (DPI) maintenance therapy** Janwillem W. H. Kocks (Groningen, Netherlands), Hans Wouters, Sinthia Bosnic-Anticevich, Joyce Van Cooten, Jaime Correia De Sousa, Biljana Cvetkovski, Richard Dekhuijzen, Lars Dijk, Evgeni Dvortsin, Marina Garcia Pardo, Asparuh Gardev, Radosław Gawlik, Iris Van Geer, Iris Van Der Ham, Marten Harbers, Alberto De La Hoz, Ymke Janse, Federico Lavorini, Tiago Maricoto, Jiska Meijer, Boyd Metz, David Price, Miguel Roman Rodriguez, Kirsten Schuttel, Nilouq Stoker, Ioanna Tsiligianni, Omar Usmani, Marika Leving
OA82	**Discussion**

Channel 4 Session 43 09:30 - 11:00

Oral presentation: Chronic COVID - 19

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

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

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

Tag(s) : COVID

Chairs : Michal Shteinberg (Haifa, Israel)

OA83	**Introduction**
OA84	**Impact of COVID-19 on Clinical Frailty Scale – a multicentre prospective cohort study.** Sabina A. Guler (Bern, Switzerland), Ilena Müller, Marco Mancinetti , Pierre-Olivier Bridevaux , Marin Brutsche, Christian Clarenbach, Christian Garzoni, Alexandra Lenoir, Bruno Naccini, Sebastian R. Ott, Lise Piquilloud, Maura Prella, Yok-Ai Que, Paola Soccal, Christophe Von Garner, Thomas Geiser , Manuela Funke-Chambour
OA85	**Systemic SP-A is increased in COVID-19 patients with abnormal diffusion capacity 6 months after hospital discharge** Lídia Perea Soriano (Barcelona, Spain), Oriol Sibila Vidal, Núria Albacar, Lídia Perea, Tamara Garcia, Núria Mendoza, Tamara Cruz, Sandra Casas, Jorge Moisés, Joan Ramon Badia, Joan Albert Barberà, Alvar Agustí, Jacobo Sellarés, Rosa Faner
OA86	**Persistent abnormalities on echocardiography post hospitalization for COVID-19** Bavithra Vijayakumar (thame (Oxfordshire), United Kingdom), James Tonkin, Pallav L Shah
OA87	**COVID-19: Is pulmonary damage present after 10 weeks follow-up?** Nienke Paternotte (Amsterdam, Netherlands), Ludmilla Messer, Willemien Thijs, Ella Van Den Hout, Suat Simsek, Astrid Aardenburg - Van Huisstede, Wim Boersma
OA88	**COVID-19 in young and middle aged adults. Predictors of poor evolution and clinical differences.** Eva Tabernero Huguet (Bilbao (Bizkaia), Spain), Luis Alberto Ruiz Iturriaga, Leire Serrano Fernandez, Pedro Pablo España Yandiola, Raul Mendez, Borja Santos Zorrozua, Ane Uranga Echeverria, Paula Gonzalez Jimenez, Patricia Garcia Hontoria, Rosario Menendez Villanueva, Rafael Zalacain Jorge
OA89	**Prospective six months follow-up analysis of the serological response to SARS-CoV-2 in a cohort of patients admitted for COVID-19 pneumonia** Miguel Angel García (Terrassa, Spain), Roser Costa Solà, Bienvenido Barreiro López, Gemma Grau Gómez, Angels Jaén Manzanera, Emma Padilla Esteba, Jose Sanz Santos, Lluis Esteban Tejero, Loures Lozano Bailén, Ana Maria Lapuente Torrents, Mireia Martínez Palau, Bruno García Cabo, Teodora Pribic, Ester Martínez Del Pozo, Xavier Martínez Lacasa
OA90	**Impact of persistent D-Dimer elevation following recovery from COVID-19** Antje Lehmann (Wien, Austria), Helmut Prosch, Sonja Zehetmayer, Maximilian Robert Gysan, Marco Idzko, Daniela Gompelmann
OA91	**Severe COVID-19 pneumonia: clinical, functional, and imaging outcomes at 4 months** Thibault Viatgé (Toulouse, France), Elise Noel-Savina, Guillaume Faviez, Benoit Lepage, Laurent Mhanna, Sandrine Pontier, Marion Dupuis, Samia Collot, Pascal Thomas, Jon Idoate Lacasia, Laure Crognier, Sihem Bouharaoua, Stein Silva Sifontes, Julien Mazieres, Grégoire Prevot, Alain Didier

OA92	**Clinical-radiological and functional follow-up of pulmonary sequelae after COVID-19** Ana Belén Llanos-González (La Orotava, Spain), Juan Alfonso Bonilla Arjona, Héctor Manuel González Expósito, Verónica S. Hernández García, Marta Gómez Gil, Paula Pérez De Armas, Nelson Mesa León, Daniel Luis Redondo Zaera, María Mercedes Cruz Díaz, Agustín Medina Gonzálvez, Orlando Acosta Fernández
OA93	**Late Breaking Abstract - Post-Covid-19 fatigue and its associations with health status: long-term follow-up** Zjala Ebadi (Groesbeek, Netherlands), Jeannette Peters, Bram Van Den Borst, Jan Vercoulen
OA94	**Discussion**

Channel 5 Session 44 09:30 - 11:00

Oral presentation: Environment and respiratory health

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Airway diseases

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

Chairs : Isabella Annesi Maesano (Paris, France), Lidwien A.M. Smit (Utrecht, Netherlands)

OA95	**Introduction**
OA96	**Gestational phthalate exposure and lung function in childhood in the INMA cohorts** Magda Bosch De Basea Gómez (Barcelona, Spain), Maribel Casas, Anne-Elie Carsin, Raquel Soler, Natalia Martin, Alicia Abellan, Jordi Sunyer, Jesús Ibarluzea, Aitana Lertxundi, Martine Vrijheid, Judith Garcia-Aymerich
OA97	**The knowledge of pulmonologists and patients with respiratory diseases about the impact of air pollution on health** Tadeusz M. Zielonka (Warszawa, Poland)
OA98	**Air pollution exposure and airflow obstruction development in the Dutch population-based Lifelines cohort** Dimitra Sifaki-Pistolla (Heraklion, Greece), Judith M. Vonk, Ioanna Tsiligianni, Marike H. Boezen
OA99	**The oropharyngeal microbiome of COPD patients and controls in a livestock dense area** Warner van Kersen (Utrecht, Netherlands), Alex Bossers, Wouter A.A. De Steenhuijsen Piters, Myrna M.T. De Rooij, Marieke Oldenwening, Marc Bonten, Ad C. Fluit, Dick Heederik, Fernanda L. Paganelli, Malbert Rogers, Marco Viveen, Rob Willems, Debby Bogaert, Helen L. Leavis, Lidwien A.M. Smit
OA100	**Long-term air pollution exposure, greenness and health-related quality of life (HRQOL) in ECRHS** Valerie Siroux (La Tronche, France), Anne Boudier, Iana Markevych, Bénédicte Jacquemin, Michael J Abramson , Simone Accordini, Bertil Forsberg, Elaine Fuertes, Judith Garcia-Aymerich , Joachim Heinrich, Ane Johanessen , Bénédicte Leynaert , Isabelle Pin
OA101	**Diary–reported symptoms, medication use, and peak expiratory flow (PEF) in an asthma panel in two Swedish cities** Hanne Krage Carlsen (Gothenburg, Sweden), Anneli Behndig, Susanna Lohman-Haga, Lars Modig, Anna-Carin Olin
OA102	**Carbon footprint of severe asthma exacerbation management relative to Breezhaler dry powder inhaler** Kai Michael Beeh (Wiesbaden, Germany), Simon Aumônier, Andy Whiting, Brett Fulford, Karen Mezzi
OA103	**Effects of ambient temperature on COPD symptoms and exacerbations in the SubPopulations and InteRmediate Outcome Measures In COPD Study (SPIROMICS) cohort** Supaksh Gupta (Seattle, United States of America), Coralynn Sack, Laura Paulin, Amanda Gassett, Clifford Sung, Jeremy Hess, Prescott Woodruff, Mark Dransfield, Robert Paine, Igor Barjaktarevic, Alejandro Comellas, Maryam Karimi, Cheryl Pirozzi, Victor Ortega, Wassim Labaki, Surya Bhatt, Nadia Hansel, Joel Kaufman
OA104	**Ultrafine particles in airways during COVID-19 lockdown** Einat Fireman Klein (HAIFA, Israel), Yotam Elimelech, Lana Majdoub, Yochai Adir, Michal Shteinberg
OA105	**Late Breaking Abstract - Preliminary results in differences between elderly COPD patients admitted in a COVID-19 free respiratory ward before and during the pandemic.** Konstantinos Dodos (Athens, Greece), Vasileia Kalamara, Konstantinos Stamopoulos, Paraskeui Kavoura, Kallirroi Lambrou
OA106	**Discussion**

Studio Amsterdam Session 45 09:30 - 11:00

Symposium: Repair and regeneration in chronic lung disease and lung cancer

Reflections from the LSC 2021 conference

Aims : To reflect on the Lung Science Meeting of 2021, providing some of the highlights at the main ERS meeting. The aims of the Lung Science meeting were threefold: to present the very best of international lung science research; to highlight new discoveries likely to impact on the future of respiratory medicine, and; to encourage debate and interaction between young postdoctoral scientists and established investigators.

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

Method(s) : Cell and molecular biology

Tag(s) : Basic science, Translational

Target audience : Clinical researcher, Medical Student, Paediatrician, Pathologist, Scientist (basic, translational)

Chairs : Reinoud Gosens (Groningen, Netherlands), Silke Meiners (München, Germany)

09:30	**Introduction**	**107**
09:35	**Club cells in adenocarcinoma and alveolar repair** Georgios Stathopoulos (Munich, Germany)	**108**
09:50	**Cell-matrix interactions in chronic lung disease** Janette K. Burgess (Groningen, Netherlands)	**109**
10:05	**The host response to decellularised lung extracellular matrix reinforces bioinks for 3D bioprinting of lung tissue for transplantation** Martina M. De Santis (Lund, Sweden)	**110**
10:20	**Mesenchymal stem cell therapy for severe emphysema** Pieter S. Hiemstra (Leiden, Netherlands)	**111**
10:35	**Discussion and Q&A**	**112**

Studio Barcelona Session 46 09:30 - 11:00

State of the art session: Airway diseases

Are recent clinical advances leading to controversies in airway diseases?

Aims : To evaluate the use of short-acting -2 agonist (SABA) monotherapy versus maintenance and reliever therapy (MART) and triple therapy for asthma; to describe new treatments for chronic cough; to determine the optimal endoscopic procedure for different patients with chronic obstructive pulmonary disease (COPD) and asthma; to discuss the role of artificial intelligence in asthma and COPD treatment.

Disease(s) : Airway diseases

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

Tag(s) : Clinical, Digital health

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Patient, Physician in Pulmonary Training

Chairs : Omar S. Usmani (London, United Kingdom), Ay e Arzu Yorganc o lu (Izmir, Turkey)

09:30	**Introduction**	**113**
09:35	**How to treat asthma in 2021? Goodbye SABA, hello MART and welcome triple therapy** Alberto Papi (Ferrara, Italy)	**114**
09:50	**New treatments for chronic cough** Jaclyn Smith (Manchester (Greater Manchester), United Kingdom)	**115**
10:05	**Which endoscopic procedure to use and in what patient? Valves, coils, foam and heat in COPD and asthma** Lee Pyng (Singapore, Singapore)	**116**
10:20	**Will artificial intelligence really transform clinical practice? Applications in asthma and COPD** Konstantinos Kostikas (Ioannina, Greece)	**117**
10:35	**Discussion and Q&A**	**118**

Studio London Session 47 09:30 - 11:00

Symposium: New developments in mechanical ventilation and ventilator weaning

Aims : To describe global variation in ventilator weaning strategies and outcomes; to list at least three key principles of invasive ventilation in patients with severe chronic obstructive pulmonary disease (COPD); to define lung and diaphragm protective ventilation and to list at least three diagnostic tools (and reference values) for delivering such ventilation; to define machine learning; to summarise realistic expectations for the role of machine learning in mechanical ventilation.

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

Method(s) : Physiology Pulmonary rehabilitation Respiratory intensive care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Respiratory critical care physician, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist

Chairs : Leo Heunks (Amsterdam, Netherlands), Anita Simonds (London, United Kingdom)

09:30	**Introduction**	**119**
09:35	**Patient's perspective** Olivia Fulton (Edinburgh (Edinburgh), United Kingdom)	**120**
09:40	**Epidemiology and geographical variation in ventilator weaning** John Laffey (Galway, Ireland)	**121**
09:55	**Personalised mechanical ventilation and weaning in patients with COPD** Lise Piquilloud (Lausanne, Switzerland)	**122**
10:10	**Lung and diaphragm protective ventilation** Katerina Vaporidi (Heraklio, Greece)	**123**
10:25	**The impact of machine learning on mechanical ventilation in critically ill patients** Lucas Fleuren (Amsterdam, Netherlands)	**124**
10:40	**Discussion and Q&A**	**125**

Studio Munich Session 48 09:30 - 11:00

Symposium: Holistic care in interstitial lung disease: monitoring the patient's pathway

Monitoring patients with interstitial lung disease via telemedicine

Aims : to explain the issues associated with monitoring patients with idiopathic pulmonary fibrosis at home during the COVID-19 pandemic; to describe rapidly evolving changes in clinical practice for patients with pre-existing respiratory problems especially interstitial lung disease (ILD) and idiopathic pulmonary fibrosis, including methods initially developed to provide medical access for patients in remote areas and patients who cannot be seen in person; to describe the appropriateness and limitations of telemedicine; to discuss the clinical utility of home spirometry, monitoring of oxygenation using patients' own pulse oximetry devices, the potential utility of measuring forced vital capacity using handheld spirometry devices for assessing the severity of a patient's disease status in their home and the assessment of overall physical activities in a patient's home.

Disease(s) : Interstitial lung diseases

Method(s) : General respiratory patient care Public health

Tag(s) : Clinical, COVID, Digital health

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

Chairs : Katerina Antoniou (Heraklion, Greece), Michael Kreuter (Heidelberg, Germany)

09:30	**Introduction**	**126**
09:35	**Telemedicine: maintaining quality during times of transition** Ganesh Raghu (Seattle, United States of America)	**127**
09:50	**Home monitoring: prognosis, benefits and pitfalls** Marlies S. Wijsenbeek (Rotterdam, Netherlands)	**128**
10:05	**Living well with pulmonary fibrosis: new insights** Elisabeth Bendstrup (Aarhus N, Denmark)	**129**
10:20	**Patient-centred medicine in ILDs: towards a holistic approach** Anne-Marie Russell (Taunton, United Kingdom)	**130**
10:35	**Discussion and Q&A**	**131**

Studio Paris Session 49 09:30 - 11:00

Lungs on fire: LoF Paediatric respiratory diseases

Aims : To describe real-life clinical cases during the innovative interactive session, including the presentation of cases that have various levels of difficulty and often necessitate a differential diagnosis. This session will be led by a discussant, who will present the cases to a panel of experts and the audience. The discussant will encourage discussion among the panel of experts, who are encountering these cases for the first time. To further determine diagnostic and therapeutic options for these patients, the discussant will also invite audience participation in the reflexion and discussion of these cases.

Disease(s) : Paediatric respiratory diseases

Tag(s) : Clinical

Target audience : Paediatrician, General practitioner, Physician in Pulmonary Training, Clinical researcher, Nurse, Thoracic oncologist, Radiologist, Respiratory physiotherapist, Respiratory therapist

Chairs : Alexander Möller (Zürich, Switzerland), Cristina Ardura-Garcia (Bern, Switzerland), Jonathan Grigg (London, United Kingdom)

Discussants : Monika Gappa (Düsseldorf, Germany)

09:30	**Introduction**	**136**
09:35	**Presentation of cases by the session facilitator** Monika Gappa (Düsseldorf, Germany)	**137**
	Case 1 - Author: Rachael Marpole, Australia	**132**
	Case 2 - Author: Tugba Ramasli Gursoy, Turkey	**133**
	Case 3 - Author: Marita Antoniadi, Greece	**134**
	Case 4 - Author: Tugba Ramasli Gursoy, Turkey	**135**
10:55	**Session wrap-up**	**138**

Channel 6 Session 50 09:30 - 11:00

Oral presentation: All about pulmonary arterial hypertension

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Pulmonary vascular diseases Respiratory critical care

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

Chairs : Nazzareno Galiè (Bologna (BO), Italy), Olivier Sitbon (Le Kremlin-Bicêtre, France)

OA139	**Introduction**
OA140	**PULSAR open-label extension: interim results from a phase 2 study of the efficacy and safety of sotatercept when added to standard of care for the treatment of pulmonary arterial hypertension (PAH)** David Badesch (Aurora, United States of America), Simon Gibbs, Mardi Gomberg-Maitland, Marius Hoeper, Vallerie Mclaughlin, Ioana Preston, Rogerio Souza, Aaron Waxman, Solaiappan Manimaran, Jennifer Barnes, Janethe De Oliveira Pena, Marc Humbert
OA141	**Risk stratification in patients with pulmonary arterial hypertension (PAH) and candidates for lung or heart-lung transplantation** Hugues Vicaire (Paris, France), Jérôme Le Pavec, Athénaïs Boucly, Xavier Jais, Olaf Mercier, David Montani, Elie Fadel, Marc Humbert, Olivier Sitbon, Laurent Savale
OA142	**Lack of agreement between the exercise variables to assess the risk in PAH.** Víctor Manuel Mora Cuesta (Santander (Cantabria), Spain), Amaya Martinez Meñaca, José Manuel Cifrián Martínez, Joan Albert Barberá, Manuel López Meseguer, Juan Antonio Domingo Morena, Joaquín Rueda Soriano,, Sergio Alcolea, Francisco Pastor Pérez, Pliar Escribano Subias
OA143	**Feasibility and Validation Testing of the Walk.Talk.Track. (WTT) App for Remote Monitoring of the Six Minute Walk Test (6MWT) in Pulmonary Arterial Hypertension (PAH).** Vladimir Glinskii (Stanford, United States of America), Ryan Anderson, Alejandra Lopez, Aileen Lin, Patricia Del Rosario, Steve Hershman , John Hess, Vinicio De Jesus Perez, Roham Zamanian
OA144	**Dehydroepiandrosterone and GDF-15 for follow-up of patients with pulmonary arterial hypertension** Vasile Foris (Graz, Austria), Ceren Ayse Mutgan, Andrea Borenich, Gabor Kovacs, Philipp Douschan, Teresa Sassmannn, Katarina Zeder, Andrea Olschewski, Grazyna Kwapiszewska, Horst Olschewski

OA145	**Pulmonary arterial hypertension in Adult-Onset Still's Disease** Athénaïs Boucly (Le Kremlin Bicètre, France), Stéphane Mitrovic, Laurent Savale, Xavier Jaïs, David Montani, Estibaliz Lazaro, Nicolas Schleinitz, Coralie Bloch-Queyrat, Christine Christides, Jacques Pouchot, Marc Humbert, Bruno Fautrel, Olivier Sitbon
OA146	**Association between Leflunomide and Pulmonary Hypertension** Thomas Lacoste Palasset (Saint mande, France), Marie-Camille Chaumais, Jason Weatherald, Laurent Savale, Xavier Jaïs, Laura C. Price, Charles Khouri, Sophie Bulifon, Andrei Seferian, Mitja Jevnikar, Athenaïs Boucly, Grégoire Manaud, Stefana Pancic, Celine Chabanne, Kaïs Ahmad, Mathilde Volpato, Nicolas Favrolt, Anne Guillaumot, Delphine Horeau-Langlard, Grégoire Prévot, Pierre Fesler, Laurent Bertoletti, Martine Reynaud-Gaubert, Nicolas Lamblin, David Launay, Gérald Simonneau, Olivier Sitbon, Frédéric Perros, Marc Humbert, David Montani
OA147	**Pregnancy in pulmonary arterial hypertension: mid-term outcomes of mothers and offspring** Karen M Olsson (Hannover, Germany), Jan-Christopher Kamp, Constantin Von Kaisenberg, Susanne Greve, Lotta Winter, Da-Hee Park, Jan Fuge, Christian Kühn, Marius M. Hoeper
OA148	**Favorable pregnancy outcomes in women with predominantly mild pulmonary arterial hypertension** Stéphanie Saxer (Zürich, Switzerland), Nadine Corbach, Mona Lichtblau, Esther Schwarz, Fiorenza Gautschi, Alexandra Groth, Rolf Schüpbach, Franziska Krähenmann, Silvia Ulrich
OA149	**Late Breaking Abstract - Convergence of clinical and computational phenotypes for rare variant association study (RVAS) in pulmonary arterial hypertension** Emilia Swietlik (Cambridge, United Kingdom), Daniel Greene, Kathryn Auckland, Tobias Tilly, Jennifer Martin, N.B.R Translational Research, Nicholas Morrell, Stefan Gräf
OA150	**Discussion**

Skills lab — Session 51 — 10:00 - 12:00

Skills lab: Cardiopulmonary exercise testing

Aims : To understand the physiological significance of cardiopulmonary response profiles, in the context of exercise protocols; To describe the typical response profiles observed in patients with different cardio-respiratory diseases; To discriminate between "typical" from "anomalous" response profiles that can cause misinterpretation of test results and evaluate the effects of therapeutic interventions.

Method(s) : Pulmonary function testing

Tag(s) : Clinical

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

Chairs : Pierantonio Laveneziana (Paris, France), Michele Schaeffer (Vancouver (BC), Canada)

10:00	**Introduction** Pierantonio Laveneziana (Paris, France), Michele Schaeffer (Vancouver (BC), Canada)	**151**
10:05	**Equipment explanation** Joanna Shakespeare (Coventry (West Midlands), United Kingdom)	**152**
10:15	**Calibration** Joanna Shakespeare (Coventry (West Midlands), United Kingdom)	**153**
10:25	**CPET procedure demonstration** Pierantonio Laveneziana (Paris, France)	**154**
10:40	**Question and answers** Paolo Palange (Rome, Italy), Susan Ward (Crickhowell, United Kingdom), J. Alberto Neder (Kingston (ON), Canada)	**155**
10:45	**Interpretation** Pierantonio Laveneziana (Paris, France)	**156**
11:25	**Clinical cases** Paolo Palange (Rome, Italy), Susan Ward (Crickhowell, United Kingdom), J. Alberto Neder (Kingston (ON), Canada)	**157**
11:45	**Questions and answer** Paolo Palange (Rome, Italy), Susan Ward (Crickhowell, United Kingdom), J. Alberto Neder (Kingston (ON), Canada)	**158**

Studio Amsterdam Session 52 11:00 - 11:15

Breakout room: Breakout room: Symposium, Repair and regeneration in chronic lung disease and lung cancer

Chairs : Merian Kuipers (Den Haag, Netherlands), Georgios Stathopoulos (Munich, Germany), Janette K. Burgess (Groningen, Netherlands), Martina M. De Santis (Lund, Sweden), Pieter S. Hiemstra (Leiden, Netherlands)

Studio Barcelona Session 53 11:00 - 11:15

Breakout room: Breakout room: State of the art session, Airway diseases

Chairs : Tommy Palai (Gaborone, Botswana), Alberto Papi (Ferrara, Italy), Jaclyn Smith (Manchester (Greater Manchester), United Kingdom), Lee Pyng (Singapore, Singapore), Konstantinos Kostikas (Ioannina, Greece)

Studio London Session 54 11:00 - 11:15

Breakout room: Breakout room: Symposium, New developments in mechanical ventilation and ventilator weaning

Chairs : Sarang Patil (Dhule (Maharashtra), India), Olivia Fulton (Edinburgh (Edinburgh), United Kingdom), John Laffey (Galway, Ireland), Lise Piquilloud (Lausanne, Switzerland), Katerina Vaporidi (Heraklio, Greece), Lucas Fleuren (Amsterdam, Netherlands)

Studio Munich Session 55 11:00 - 11:15

Breakout room: Breakout room: Symposium, Holistic care in interstitial lung disease: monitoring the patient's pathway

Chairs : Kunal Khanderao Deokar (Thane (Maharashtra), India), Ganesh Raghu (Seattle, United States of America), Marlies S. Wijsenbeek (Rotterdam, Netherlands), Elisabeth Bendstrup (Aarhus N, Denmark), Anne-Marie Russell (Taunton, United Kingdom)

Studio Paris Session 56 11:00 - 11:15

Breakout room: Breakout room: Lungs on fire : LoF Paediatric respiratory diseases

Chairs : Monika Gappa (Düsseldorf, Germany), Dilber Ademhan Tural (Ankara, Turkey)

Channel 2 Session 57 11:15 - 12:45

Oral presentation: Best abstracts in pulmonary rehabilitation and chronic care

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

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

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

Tag(s) : COVID

Chairs : Guido Vagheggini (Volterra (PI), Italy), Rachael A. Evans (Leicester (Leicestershire), United Kingdom)

OA159	**Introduction**
OA160	**'Can do, do do' concept and all-cause mortality risk in patients with COPD** Anouk W. Vaes (Horn, Netherlands), Martijn A. Spruit, Hieronymus W.J. Van Hees, Eleonore H. Koolen, Jeanine C. Antons, Marianne C.H. De Man, Remco S. Djamin, Alex J. Van 'T Hul
OA161	**Behavioural modification interventions alongside pulmonary rehabilitation improve COPD patients' experiences of physical activity** Matthew Armstrong (Bournemouth, United Kingdom), Emily Hume, Laura Mcneille, Francesca Chambers, Lynsey Wakenshaw, Graham Burns , Karen Heslop-Marshall, Ioannis Vogiatzis
OA162	**Proposed MID in FACIT and VAS scores for individuals attending COVID-19 rehabilitation.** Charlotte Gerlis (Leicester, United Kingdom), Sally Singh, Nikki Gardiner, Linzy Houchen-Wolloff, Emma Chaplin, Enya Daynes
OA163	**RISK FACTORS FOR THE DEVELOPMENT OF SARCOPENIA IN PATIENTS WITH COVID-19** Carlos Miguel Sánchez-Moreno (Ciudad de México, Mexico), DULCE Gonzalez ISLAS, Arturo Orea-Tejeda, Maria Fernanda Salgado-Fernández, Andrea Samantha Hernández-López, Susana Galicia-Amor, Esperanza Trejo-Mellado, Juan García-Hernández, Juan Orozco-Gutiérrez, Carlos Aboitiz-Rivera
OA164	**Altered calcium response in stimulated myotubes from COPD patients** Pascal Pomiès (Montpellier Cedex 5, France), Anne Virsolvy, Emilie Passerieux, Bronia Ayoub, Maurice Hayot

OA165	**The sound of anxiety: exploring the effect of audio recordings of breathing on self-reported breathlessness** Simon Etkind (Cambridge, United Kingdom), Natasha Lovell, Wendy Prentice, Irene Higginson, Katherine Sleeman
OA166	**Outcomes of Multi Disciplinary Team Comprehensive Post Hospitalisation Follow Up for 420 COVID 19 Patients** Yasser Noeman Ahmed (Southend, United Kingdom), Kapur Milan, Maryam Noeman, Diab Alsouki, Maria Kotouckova, Gouri Koduri, Dora Amran, Duncan Powrie
OA167	**Effect of high-flow oxygen therapy on exercise tolerance in idiopathic pulmonary fibrosis: a randomized crossover trial.** Jumpei Harada (Kobe, Japan), Kazuma Nagata, Kentaro Iwata, Akira Ishikawa, Keisuke Tomii
OA168	**Comprehensive pulmonary rehabilitation (PR) decreases frailty in lung transplant recipients – a prospective observational study** Tessa Schneeberger (Schönau am Königssee, Germany), Maximilian Gaida, Inga Jarosch, Daniela Leitl, Rainer Gloeckl, Klaus Kenn, Andreas Rembert Koczulla
OA169	**Late Breaking Abstract - A randomised control trial using inspiratory muscle training in post-COVID-19 rehabilitation** Melitta McNarry (Swansea, United Kingdom), James Shelley, Joanne Hudson, Zoe Saynor, Jamie Duckers, Keir Lewis, Gwyneth Davies, Mark Williams, Ronan Berg, Kelly Mackintosh
OA170	**Discussion**

Channel 3 Session 58 11:15 - 12:45

Oral presentation: Non-pulmonary arterial hypertension pulmonary hypertension

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.
This session includes the Best Abstract for Assembly 13 - Pulmonary Vascular Diseases, entitled "Current strategies for managing CTEPH"

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

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

Chairs : Silvia Ulrich (Zurich, Switzerland), Luke Howard (London, United Kingdom)

OA171	**Introduction**
OA172	**Frequency and risk factors for Chronic Thromboembolic Pulmonary Hypertension after a first unprovoked Pulmonary Embolism: results from PADIS-studies.** Alexandre FAUCHE (BREST, France), Alexandre FAUCHE, Emilie Presles, Olivier Sanchez, Xavier Jaïs, Raphaël Le Mao, Philippe Robin, Gilles Pernod, Laurent Bertoletti, Patrick Jego, Florence Parent, Catherine Lemarie, Florent Leven, Pierre-Yves Le Roux, Pierre-Yves Salaun, Michel Nonent, Philippe Girard, Karine Lacut, Laurent Savale, Solen Melac, Marie Guégan, Patrick Mismetti, Silvy Laporte, Christophe Leroyer, David Montani, Francis Couturaud, Cécile Tromeur
OA173	**Characteristics of chronic thromboembolic pulmonary hypertension in Ireland** Sarah Cullivan (Cavan, Ireland), Barry Kevane, Fionnual Niainle, Brian Mccullagh, Sean Gaine
OA174	**Current strategies for managing CTEPH** Marion Delcroix (Leuven, Belgium), Joanna Pepke-Zaba, Elie Fadel, David Jenkins, Nick Kim, Michael Madani, Hiromi Matsubara, Gerald Simonneau, Eckhard Mayer, Irene Lang
OA175	**Clinically applicable machine learning prediction model for pulmonary hypertension due to left heart disease** Katleen Swinnen (Leuven, Belgium), Kenneth Verstraete, Nilakash Das, Marko Topalovic, Rozenn Quarck, Catharina Belge, Wim Janssens, Marion Delcroix
OA176	**Effect of breathing oxygen-enriched air on exercise performance in patients with pulmonary hypertension in heart failure with preserved ejection fraction. Randomized, placebo-controlled, cross-over trial.** Julian Müller (Zürich, Switzerland), Mona Lichtblau, Stéphanie Saxer, Luigi-Riccardo Riccardo, Arcangelo F. Carta, Simon R. Schneider, Charlotte Berlier, Michael Furian, Konrad E. Bloch, Esther I. Schwarz, Silvia Ulrich
OA177	**Survival effects of pulmonary vasodilators in group 3 pulmonary hypertension** Laura C Price (, United Kingdom), Timothy Dawes, Konstantinos Dimopoulos, Colm Mccabe, Simon Bax, Aleksander Kempny, Philip Molyneaux, Peter George, Vasilis Kouranos, Felix Chua, Elisabetta Renzoni, Maria Kokosi, Athol U Wells, S John Wort
OA178	**Selection of a gene panel related to pulmonary hypertension associated with respiratory diseases** Adelaida Bosacoma (Barcelona, Spain), Daniel Aguilar, Agustin García, Isabel Blanco, Clara Martín-Ontiyuelo, Ana Ramírez, Ylenia Roger, Jeisson Osorio, Olga Tura-Ceide, Victor Ivo Peinado, Joan Albert Barberà

OA179	**Incremental experience in optimizing in vitro primary culture of human pulmonary arterial endothelial cells harvested from Swan-Ganz catheters** Rozenn Quarck (Leuven, Belgium), Birger Tielemans, Leanda Stoian, Allard Wagenaar, Mathias Leys, Catharina Belge, Marion Delcroix
OA180	**Late Breaking Abstract - Peripheral T-cells and their cytokine production in Chronic Thromboembolic Pulmonary Hypertension.** Thomas Koudstaal (Rotterdam, Netherlands), Denise Van Uden, Jennifer Van Hulst, Madelief Vink, Menno Van Nimwegen, Peter Heukels, Annemien Van Den Bosch, Mirjam Kool, Rudi Hendriks, Karin Boomars
OA181	**Discussion**

Channel 4 Session 59 11:15 - 12:45

Oral presentation: Psychological and behavioural issues in respiratory care

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

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

Method(s) : General respiratory patient care | Pulmonary rehabilitation | Public health | Respiratory intensive care | Epidemiology | Imaging

Tag(s) : COVID

Chairs : Ingeborg Farver-Vestergaard (Vejle, Denmark), Thomas Janssens (Leuven, Belgium)

OA182	**Introduction**
OA183	**No gender differences in neural gating of respiratory sensations in COPD patients – preliminary findings** Ysys Denutte (Leuven, Belgium), Thomas Reijnders, Rik Gosselink, Daniel Langer, Paul Davenport, Wim Janssens, Thierry Troosters, Andreas Von Leupoldt
OA184	**Translation and initial validation of the Danish version of the COPD-Anxiety Questionnaire** Sandra Rubio-Rask (Vejle, Denmark), Ingeborg Farver-Vestergaard, Ole Hilberg, Anders Løkke
OA185	**Optimism, exacerbations and health outcomes of pulmonary rehabilitation in patients with COPD** Thomas Janssens (Leuven, Belgium), Wolfgang Geidl, Johannes Carl, Klaus Pfeifer, Nicola Lehbert, Michael Wittmann, Konrad Schultz, Andreas Von Leupoldt
OA186	**Technology-dependent children with respiratory problems on a home care program: Exploring the family experience** Maria Galogavrou (THESSALONIKI, Greece), Elpis Hatziagorou, Petrina Vantsi, Ilketra Toulia, Elisavet-Anna Chrysochoou, Fotios Kirvassilis, John Tsanakas
OA187	**Psychological functioning and lifestyle behaviours of patients with idiopathic pulmonary fibrosis: a prospective study** anouk delameillieure (Leuven, Belgium), Fabienne Dobbels, Katleen Leceuvre, Daniëlle Strens, Sara Van Der Auwera, Karolien Verheyen, Jonas Yserbyt, Wim Wuyts
OA188	**Mental health during COVID-19 in Dutch adolescents and adults with cystic fibrosis (CF) or primary ciliary dyskinesia (PCD) and their caregivers** Marieke Verkleij (Amsterdam, Netherlands), Lieke Noij, Simone Hashimoto, Suzanne Terheggen-Lagro, Josje Altenbug, Eric Haarman
OA189	**Psychological sequelae among health personnel treated for COVID 19 at the Hassan II hospital in Agadir** fatiha bounoua (AGADIR, Morocco), Houda Moubachir, Hind Serhane
OA190	**Impact of COVID-19 on mental health: a traumatic event** Maarten Van Herck (Diepenbeek, Belgium), Sarah Houben-Wilke, Yvonne Goërtz, Jeannet Delbressine, Anouk Vaes, Roy Meys, Felipe Machado, Chris Burtin, Rein Posthuma, Frits Franssen, Herman Vijlbrief, Yvonne Spies, Alex Van 'T Hul, Martijn Spruit, Daisy Janssen
OA191	**Sex differences in mental health of hospitalized patients with COVID-19** Zafeiria Barmparessou (Athens, Greece), Sofia Pappa , Apostolos Pappas, Kostas Eleftheriou, Stavros Patrinos, Eftychia Polydora, Nikolaos Athanasiou, Ioannis Kalomenidis, Paraskevi Katsaounou
OA192	**Discussion**

Channel 5 Session 60 11:15 - 12:45

Symposium: Noninvasive respiratory support in hypoxic respiratory failure: stay safe and know your limits

Aims : To will discuss the assessment of the acute hypoxic respiratory failure; to outline the risks vs benefits of non-invasive ventilation (NIV) support for COVID patients; to explain the role of NIV in the management of refractory dyspnoea; and to discuss the physiological changes during continuous positive airway pressure (CPAP), NIV and High-flow nasal cannula (HFNC).

Disease(s) : Thoracic oncology Respiratory critical care

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

Tag(s) : Clinical, COVID

Target audience : Adult pulmonologist/Clinician, Medical Student, Respiratory critical care physician, Thoracic oncologist

Chairs : Marieke L. Duiverman (Groningen, Netherlands), João Carlos Winck Fernandes Cruz (Vila Nova de Gaia, Portugal)

11:15	**Introduction**	**193**
11:20	**How to assess the severity of acute hypoxic respiratory failure** Luigi Camporota (London, United Kingdom)	**194**
11:35	**Noninvasive respiratory support during Covid 19: risks and benefits** Stefano Nava (Bologna (BO), Italy)	**195**
11:50	**Management of refractory dyspnoea in end-stage patients: the use of noninvasive respiratory support** Speaker to be confirmed	**196**
12:05	**Physiological changes during CPAP, NIV and HFNC: one for all or all for one ?** Maria Laura Vega (Bologba, Italy)	**197**
12:20	**Discussion and Q&A**	**198**

Studio Amsterdam Session 61 11:15 - 12:45

Symposium: Innate immunity and lung epithelial repair: what really happens?

Epithelial repair responses upon respiratory infection and lung tissue damage

Aims : to describe the mechanisms underlying epithelial barrier disruption and impaired recovery in response to environmental triggers, which are crucial for the development of novel therapeutic strategies, including stem cell-based strategies; to provide an overview of the cellular and molecular mechanisms involved in epithelial damage and repair as well as abnormalities of these mechanisms in lung disease and regulation of these processes by virus-induced innate immune responses; to explain the complex role of the epithelial barrier in the onset and progression of pulmonary diseases and its To potential to serve as a target for therapeutic strategies; to differentiate between epithelial cell death modalities and to describe how these contribute to lung tissue damage in chronic obstructive pulmonary disease (COPD); to explain how the release of specific danger molecules upon epithelial injury, e.g., those acting on receptor for advanced glycation end products (RAGE), can result in alveolar tissue damage and impaired lung tissue regeneration in COPD; to describe the role of innate immune responses in abnormal lung tissue regeneration upon viral infection; to describe the potential of stem cells for epithelial regeneration upon infection in cystic fibrosis (CF) patients.

Disease(s) : Airway diseases Respiratory infections

Method(s) : Cell and molecular biology

Tag(s) : Translational , Basic science

Target audience : Clinical researcher, Pathologist, Scientist (basic, translational)

Chairs : Reinoud Gosens (Groningen, Netherlands), Silke Meiners (München, Germany)

11:15	**Introduction**	**199**
11:20	**Epithelial cell death, tissue damage and repair: looking inside the COPD lung** Suzanne Cloonan (Dublin, Ireland)	**200**
11:35	**Repairing the COPD epithelium: is 'RAGE' the solution?** Simon D. Pouwels (Groningen, Netherlands)	**201**
11:50	**Viruses and interferons: working together to injure the epithelium** Andreas Wack (London, United Kingdom)	**202**
12:05	**What damages the cystic fibrosis lung epithelium: host or microbe?** Catherine Greene (Dublin 9, Ireland)	**203**
12:20	**Discussion and Q&A**	**204**

Studio Barcelona Session 62 11:15 - 12:45

Clinical trials session: ALERT: COPD

Disease(s) : Airway diseases

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

Chairs : Omar S. Usmani (London, United Kingdom), Ay e Arzu Yorganc o lu (Izmir, Turkey)

RCT205	**Introduction**
RCT206	**Late Breaking Abstract - Astegolimab, an anti-ST2, in chronic obstructive pulmonary disease - COPD-ST2OP: a phase IIa, placebo-controlled trial** Ahmed Javid Yousuf (Oxford (Oxfordshire), United Kingdom), Seid Mohammed, Liesl Carr, Mohammadali Yavari Ramsheh, Koirobi Haldar, Adam K A Wright, Petr Novotny, Sarah Parker, Sarah Glover, Joanne Finch, Kate Hadley, Niamh Quann, Claudia Micieli, Vijay Mistry, Cassandra Brookes, Rachel Hobson, Wadah Ibrahim, Richard Russell, David F Choy, Dorothy Cheung, Michele Grimbaldeston, Catherine John, Michael Steiner, Neil J Greening, Christopher E Brightling
RCT207	**RCT Abstract - Randomized, double-blind, placebo-controlled, phase III clinical trial with MV130, a sublingual bacterial immunotherapy to prevent COPD exacerbations** Laura Conejero Hall (Madrid, Spain), Luis Puente Maestu, Myriam Calle Rubio, Walter Girón, Carlos José Alvarez Martínez, María Jesús Buendía García, Joan Serra Batllés, Juan Luis Rodríguez Hermosa, Soledad Alonso Viteri, Julia García De Pedro, Paola Benedetti, Javier De Miguel Díez, José Luis Alvarez-Sala Walther, Julio Hernández Vázquez, Francisco García Río, Carmen Rodríguez Sainz, Cristina Fernández Pérez, Ana Doyle, Raquel Caballero, José Luis Subiza, Miguel Casanovas, Eduardo Fernández-Cruz
RCT208	**The relationship between eosinophils and reduction in major adverse cardiac events in ETHOS** Mona Bafadhel (Oxford (Oxfordshire), United Kingdom), Klaus F Rabe, Dave Singh, Martin Jenkins, Paul Dorinsky, Mehul Patel
RCT209	**Wrap-up by discussant and discussion** Speaker to be confirmed
RCT210	**Late Breaking Abstract - First-time assessment of efficacy of candidate vaccine to prevent acute exacerbations of chronic obstructive pulmonary disease (AECOPD): multicentre, randomised, controlled, observer-blind phase 2b trial** Stefan Andreas (Immenhausen, Germany), Marco Testa, Laurent Boyer, Guy Brusselle, Wim Janssens, Edward Kerwin, Alberto Papi, Bonavuth Pek, Luis Puente-Maestu, Dinesh Saralaya, Henrik Watz, Tom Ma Wilkinson, Daniela Casula, Gennaro Di Maro, Maria Lattanzi, Luca Moraschini, Sonia Schoonbroodt, Annaelisa Tasciotti, Ashwani K Arora, François Maltais
RCT211	**RCT Abstract - Tailored psychological intervention for anxiety/depression in people with COPD (TANDEM): a randomised controlled trial.** Steph Taylor (London, United Kingdom), Hilary Pinnock, Ratna Sohanpal, Elizabeth Steed, Claire Chan, Andy Healey, Richard Hooper, Karen Heslop, Moira Kelly, Stefan Priebe, C Michael Roberts, Sally Singh, Sarah Saqi-Waseem, Martin Underwood, Patrick White, Chris Warburton
RCT212	**Wrap-up by discussant and discussion** Jadwiga Wedzicha (London, United Kingdom)
RCT213	**Closing remarks**

Studio London Session 63 11:15 - 12:45

Symposium: Acute respiratory distress syndrome phenotypes: implications for diagnosis and treatment

Aims : To describe heterogeneity in the pathophysiology of acute respiratory distress syndrome (ARDS); to describe biological and morphological subphenotypes of ARDS and the implications for patient management; to describe treatable traits in ARDS; to explain the relationship between biological and physiological variation and optimal patient management.

Disease(s) : Respiratory critical care Respiratory infections

Method(s) : Cell and molecular biology Imaging Respiratory intensive care

Tag(s) : Translational

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Respiratory critical care physician, Scientist (basic, translational)

Chairs : Leo Heunks (Amsterdam, Netherlands), Anita Simonds (London, United Kingdom)

11:15	**Introduction**	**214**
11:20	**Current understanding of ARDS pathophysiology** Nuala Meyer (Philadelphia, United States of America)	**215**

11:35	**Personalised medicine through ventilator settings: implications of lung morphology in ARDS** Jean-Michel Constantin (Paris, France)	**216**
11:50	**Personalised medicine through biological subphenotyping of ARDS** Charlotte Summers (Cambridge (Cambridgeshire), United Kingdom)	**217**
12:05	**Personalised medicine through individual approaches to resolve lung injury** Brijesh Patel (London, United Kingdom)	**218**
12:20	**Discussion and Q&A**	**219**

Studio Munich Session 64 11:15 - 11:55

Pro-Con debate: Post COVID interstitial lung diseases syndrome: diagnosis and management as interstitial lung disease?

Aims : To describe the spectrum of interstitial lung changes observed after COVID-19 infection, and to address diagnostic and management related issues; to debate the use or not corticosteroids plus antifibrotics and/or immunomodulation according pathogenetic and clinical/radiological insights in the field. to discuss clinical, radiological and pathological description of post COVID-19 interstitial lung cases.

Disease(s) : Interstitial lung diseases

Method(s) : Cell and molecular biology Imaging Physiology

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Patient, Physician in Pulmonary Training, Physiologist, Journalist

Chairs : Katerina Antoniou (Heraklion, Greece), Michael Kreuter (Heidelberg, Germany)

11:15	**Introduction**	**220**
11:17	**Use of antifibrotics in post-COVID ILD: PRO** Bruno Crestani (Paris, France)	**221**
11:29	**Use of antifibrotics in post-COVID ILD: CON** Sara Tomassetti (Florence, Italy)	**222**
11:41	**Discussion and Q&A**	**223**

Studio Paris Session 65 11:15 - 11:55

Guidelines session: ERS Clinical practice guidelines for managing children and adolescents with bronchiectasis

Aims : To describe the objectives of managing children/adolescents with bronchiectasis; to present the ERS recommendations relating to diagnosing and undertaking the minimum investigations when evaluating a child/adolescent with chronic suppurative lung disease; to explain reasons for the various recommendations and to increase awarness of the guideline’s recommendations on antibiotic treatment of exacerbations, pathogen eradication, long-term antibiotic therapy, asthma-type therapies (inhaled corticosteroids, bronchodilators), mucoactive drugs, airway clearance, disease monitoring, factors to consider before surgical treatment and the reversibility and prevention of bronchiectasis in children/adolescents.

Disease(s) : Airway diseases Paediatric respiratory diseases Respiratory infections

Method(s) : General respiratory patient care Public health

Tag(s) : Clinical

Target audience : Clinical researcher, General practitioner, Medical Student, Nurse, Paediatrician, Patient, Physician in Pulmonary Training, Respiratory physiotherapist

Chairs : Jonathan Grigg (London, United Kingdom), Cristina Ardura-Garcia (Bern, Switzerland), Alexander Möller (Zürich, Switzerland)

11:15	**Introduction**	**224**
11:17	**Parent perspectives and input into the guideline** Zena Powell (Aylesbury , United Kingdom)	**225**
11:22	**Overall clinical approach** Andrew Bush (London, United Kingdom)	**226**
11:31	**Treatment options and recommendations** Keith Grimwood (Gold Coast (QLD), Australia)	**227**

11:40	**Practical approach with cases, interactive questions and discussion** Angela Zacharasiewicz (Wien, Austria)	**228**

Channel 6 Session 66 11:15 - 12:45

Oral presentation: Novelties in interventional pulmonology

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

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

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

Chairs : Prashant Nemichand Chhajed (Mumbai, India), Daniela Gompelmann (Vienna, Austria)

OA229	**Introduction**
OA230	**Late Breaking Abstract - Bronchoscopic microwave ablation of peripheral lung tumors** Kelvin Lau (London, United Kingdom), Kelvin Lau, Rainbow Lau, Ralitsa Baranowski, Calvin Ng
OA231	**Optical coherence tomography detected changes in airway remodeling after bronchial thermoplasty in severe asthma** Pieta Wijsman (Amsterdam, Netherlands), Annika Goorsenberg, Richard Van Den Elzen, Nienke Hoekstra, Julia D'Hooghe, Martijn De Bruin, Jouke Annema, Janette Burgess, Peter Bonta
OA232	**Late Breaking Abstract - Needle based confocal laser endomicroscopy for the diagnosis of peripheral lung nodules by robotic navigational bronchoscopy** Christopher Manley (Philadelphia, United States of America), Tess Kramer, Rohit Kumar, Lizzy Wijmans, Martijn De Bruin, Eric Ross, Yulan Gong, Hormoz Ehya, Peter Bonta, Jouke Annema
OA233	**Histological confidence of transbronchial cryobiopsy in interstitial lung diseases is influenced by sample size** Jürgen Hetzel (Tuebingen, Germany), Athol Wells, Ulrich Costabel, Thomas V. Colby, Simon L.F. Walsh, Johny Verschakelen, Alberto Cavazza, Sara Tomassetti, Claudia Ravaglia, Michael Böckeler, Werner Spengler, Michael Kreuter, Ralf Eberhardt, Kaid Darwiche, Alfons Torrego, Virginia Pajares, Katja Stiebeling, Regina Musterle, Marius Horger, Falko Fend, Arne Warth, Claus Peter Heussel, Sara Piciucchi, Alessandra Dubini, Dirk Theegarten, Tomas Franquet, Enrique Lerma, Venerino Poletti, Maik Häntschel
OA234	**In vivo PS-OCT to detect fibrotic lung disease** Kirsten A. Mooij - Kalverda (Amsterdam, Netherlands), Margherita Vaselli , Peter Bonta, Johannes De Boer, Jouke Annema
OA235	**Day case rapid pleurodesis in malignant pleural effusion** Chuan Tai Foo (Victoria, Australia), Thomas Pulimood, Martin Knolle, Stefan John Marciniak, Jurgen Herre
OA236	**Safety of EUS-B-FNA in patients with respiratory insufficiency** Ida Skovgaard Christiansen (København N, Denmark), Uffe Bodgter, Rafi Nessar, Goran Nadir Salih, Shailesh Kolekar, Jatinder Singh Sidhu, Asbjørn Høgholm, Christian B Laursen, Arman Arshad, Paul Frost Clementsen
OA237	**STENTING VERSUS BALLOOON DILATATION IN PATIENTS WITH TRACHEAL BENIGN STENOSIS – THE STROBE TRIAL** Dario Andrisani (Modena (MO), Italy), Roberto Tonelli, Alessandro Marchioni, Alessandro Andreani, Gaia Cappiello, Margherita Ori, Filippo Gozzi, Giulia Bruzzi, Chiara Nani, Linda Manicardi, Francesco Mattioli, Matteo Fermi, Riccardo Fantini, Luca Tabbì, Ivana Castaniere, Livio Presutti, Enrico Clini
OA238	**Efficacy and safety of position selection combined with intra-pleural thrombin injection in the treatment of postoperative persistent air leakage** Hua Zhang (Rizhao (Shandong), China), Hua Zhang, Mengyao Wang, Wei Zhang, Changsheng Ge, Lei Wang
OA239	**A multicentre study evaluating bleeding risk with intrapleural enzyme therapy in pleural infection (RETROLYSIS)** Eihab Bedawi (Oxford (Oxfordshire), United Kingdom), Najib Rahman, Lonny Yarmus, Jason Akulian
OA240	**Discussion**

Channel 1 Session 67 11:45 - 13:00

Challenging clinical cases: CCC Respiratory infections

Aims : To describe the history, pathology, analysis and treatment of complex clinical cases in respiratory infections area. The session leaders will facilitate discussion among the case presenters and the audience in order to examine and discuss each case.

Disease(s) : Respiratory infections

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Nurse, Paediatrician, Physician in Pulmonary Training, Respiratory critical care physician, Thoracic oncologist, Medical Student

Chairs : Raquel Duarte (Porto, Portugal), Pierre-Régis Burgel (Paris, France)

11:45	**Introduction**	**241**
11:50	**A case of lower limb weakness following Covid-19 infection** Chung-Mei Maggie Cheung (London, United Kingdom)	**242**
12:00	**Persistent fever and cytopenia in a patient with pulmonary tuberculosis** Sanjeewa Malinda Hettiarachchi (Kiribathgoda, Sri Lanka)	**243**
12:10	**Tropical Disaster - A bronchoscopic surprise** Thiyagesa Deva Ganapathy Sivanandaraj (Dindigul, India)	**244**
12:20	**Respiratory failure 4 months after severe SARS-Cov-2 infection** Thibault Viatgé (Toulouse, France)	**245**
12:30	**Constitutional syndrome and miliary pattern in HIV-positive patient** Patricia Nadal-Baron (Barcelona, Spain)	**246**
12:40	**Discussion and Q&A**	**247**

Studio Munich — Session 68 — 11:55 - 12:10

Breakout room: Breakout room: Pro-Con debate, Post COVID interstitial lung diseases syndrome: diagnosis and management as interstitial lung disease?

Chairs : Kunal Khanderao Deokar (Thane (Maharashtra), India), Bruno Crestani (Paris, France), Sara Tomassetti (Florence, Italy)

Studio Paris — Session 69 — 11:55 - 12:10

Breakout room: Breakout room: Guidelines session, ERS Clinical practice guidelines for managing children and adolescents with bronchiectasis

Chairs : Dilber Ademhan Tural (Ankara, Turkey), Zena Powell (Aylesbury , United Kingdom), Andrew Bush (London, United Kingdom), Keith Grimwood (Gold Coast (QLD), Australia), Angela Zacharasiewicz (Wien, Austria)

Studio Munich — Session 70 — 12:05 - 12:45

Guidelines session: ERS clinical practice guidelines on treatment of sarcoidosis

Aims : To report on the updated clinical guidelines on treatment of sarcoidosis.

Disease(s) : Interstitial lung diseases

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, General practitioner, Medical Student, Patient, Scientist (basic, translational)

Chairs : Katerina Antoniou (Heraklion, Greece), Michael Kreuter (Heidelberg, Germany)

12:05	**Introduction**	**248**
12:07	**Clinical approach and changes from previous guidelines** Robert P. Baughman (Cincinnati, United States of America)	**249**
12:17	**Treatment options and recommendations** Athol Wells (London, United Kingdom)	**250**
12:27	**Practical approach with cases, interactive questions and discussion** Dominique Israel-Biet (Paris, France)	**251**

Studio Paris — Session 71 — 12:05 - 12:45

Guidelines session: The ERS guidelines for the diagnosis of asthma in children aged 5-16 years

Aims : To present the results from the ERS task force for the development of European Respiratory Society guidelines for the diagnosis of asthma in children aged 5-16 years; to discuss the background, motivation and methodology of preparing these guidelines; to present the core recommendations and underscore them with some clinical cases; to provide a commentary from outside of the task force.

Disease(s) : Airway diseases | Paediatric respiratory diseases

Tag(s) : Clinical

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

Chairs : Jonathan Grigg (London, United Kingdom), Alexander Möller (Zürich, Switzerland), Cristina Ardura-Garcia (Bern, Switzerland)

12:05	**Introduction**	**252**
12:07	**Why guidelines for asthma diagnosis in school children? Background and motivation** Erol Gaillard (Leicester (Leicestershire), United Kingdom)	**253**
12:17	**How should asthma be diagnosed in school children? Recommendations of the evidence based ERS-Guidelines** Carmen Cornelia Maria de Jong (Bern, Switzerland)	**254**
12:27	**Parent's view** Speaker to be confirmed	**255**
12:31	**How do the new guidelines work? Practical approach to the new guidelines for asthma diagnosis in children, discussion and Q&A** David Lo (Leicester, United Kingdom)	**256**

Studio Amsterdam Session 72 12:45 - 13:00

Breakout room: Breakout room: Symposium, Innate immunity and lung epithelial repair: what really happens?

Chairs : Merian Kuipers (Den Haag, Netherlands), Suzanne Cloonan (Dublin, Ireland), Simon D. Pouwels (Groningen, Netherlands), Andreas Wack (London, United Kingdom), Catherine Greene (Dublin 9, Ireland)

Studio Barcelona Session 73 12:45 - 13:00

Breakout room: Breakout room: Clinical trials session, 1-ALERT: COPD

Chairs : Tommy Palai (Gaborone, Botswana), Jadwiga Wedzicha (London, United Kingdom), Chair to be confirmed

Studio London Session 74 12:45 - 13:00

Breakout room: Breakout room: Symposium, Acute respiratory distress syndrome phenotypes: implications for diagnosis and treatment

Chairs : Sarang Patil (Dhule (Maharashtra), India), Nuala Meyer (Philadelphia, United States of America), Jean-Michel Constantin (Paris, France), Charlotte Summers (Cambridge (Cambridgeshire), United Kingdom), Brijesh Patel (London, United Kingdom)

Studio Munich Session 75 12:45 - 13:00

Breakout room: Breakout room: Guidelines session, ERS clinical practice guidelines on treatment of sarcoidosis

Chairs : Kunal Khanderao Deokar (Thane (Maharashtra), India), Robert P. Baughman (Cincinnati, United States of America), Athol Wells (London, United Kingdom), Dominique Israel-Biet (Paris, France)

Studio Paris Session 76 12:45 - 13:00

Breakout room: Breakout room: Guidelines session, The ERS guidelines for the diagnosis of asthma in children aged 5-16 years

Chairs : Dilber Ademhan Tural (Ankara, Turkey), Erol Gaillard (Leicester (Leicestershire), United Kingdom), Carmen Cornelia Maria de Jong (Bern, Switzerland), David Lo (Leicester, United Kingdom), Chair to be confirmed

Skills lab Session 77 13:00 - 15:00

Skills lab: Continuous positive airway pressure, non-invasive ventilation and mechanical ventilation

Aims : To improve team members chances of success in delivering continuous positive airway pressure, non-invasive ventilation and high flow nasal oxygen in acute hypoxaemic respiratory failure in COVID and non-COVID patients, to understand lessons learnt in use of advanced mechanical ventilation and ECMO in covid patients, to provide guidance on best practice in weaning, tracheotomy care and rehabilitation in COVID and non-COVID patients

Disease(s) : Respiratory critical care

Method(s) : Respiratory intensive care Pulmonary rehabilitation

Tag(s) : Clinical, COVID

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Nurse, Physician in Pulmonary Training, Physiologist, Respiratory critical care physician, Respiratory physiotherapist, Respiratory therapist

Chairs : Anita Simonds (London, United Kingdom), Lise Piquilloud (Lausanne, Switzerland)

13:00	**Introduction** Anita Simonds (London, United Kingdom), Lise Piquilloud (Lausanne, Switzerland)	**257**
13:05	**Continuous positive airway pressure, non-invasive ventilation and high flow nasal oxygen: lessons for success** Lara Pisani (Bologna (BO), Italy), João Carlos Winck Fernandes Cruz (Vila Nova de Gaia, Portugal)	**258**
13:30	**Invasive mechanical ventilation in severe respiratory failure and extracorporeal membrane oxygenation** Giacomo Grasselli (Milano (MI), Italy), Maxime Patout (Mont-Saint Aignan, France)	**259**
13:55	**Weaning and tracheostomy care** Michelle Chatwin (London, United Kingdom), Nicholas Terzi (Grenoble, France)	**260**
14:20	**Rehabilitation and physiotherapy following acute respiratory failure** Tiina Andersen (Bergen, Norway), Cheryl Hickmann (Brusels, Belgium)	**261**
14:45	**Discussion** Anita Simonds (London, United Kingdom), Lise Piquilloud (Lausanne, Switzerland)	**262**

13:00-14:30
INDUSTRY VIRTUAL SYMPOSIUM SEE PAGE 1

Pre-congress content Session 83 13:15 - 14:15

E-poster: Clinical features and challenges of COVID-19

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Interstitial lung diseases

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

Tag(s) : COVID, Digital health

PA287	**The clinical course of community-acquired pneumonia caused by SARS-COV-2 in pregnant women** Irina A. Andrievskaya (Blagoveshchensk, Russian Federation), Irina V. Zhukovets, Natalia A. Smirnova, Olga V. Demura, Anton S. Abuldinov, Karen S. Lyazgian, Victor P. Kolosov
PA288	**Impact of the COVID -19 pandemic on pleural infections: A multicentre retrospective analysis** Khalil Ur Rehman (London, United Kingdom), Eihab O Bedawi, Parthipan Sivakumar, Katie Ferguson, Syed Ajmal, Emma Graham, Rakesh Panchal, John Corcoran, Kevin G Blyth, Najib Rahman, Alex West
PA289	**Bacterial Pneumonias: Before and after the COVID-19 pandemic** Khalil Ur Rehman (London, United Kingdom), Parthipan Sivakumar
PA290	**Covid-19 and obesity** marzouki safa (tunisia, Tunisia), marzouki safa, Maazaoui Sarra, Nouira Imen, Hbibech Sonia, Chaabene Mariem, Racil Hajer, Chaouch Nawel
PA291	**COVID-19: pneumonia and comorbidities at three sites of medical care** Valentin Calancea (Chisinau, Codru, Republic of Moldova), Sergiu Matcovschi, Ion Sirbu, Nina Chicu, Viorica Chihai, Virginia Cascaval, Tatiana Dumitras
PA292	**The effect of the novel type coronavirus infection on the mental health of the patients** Esen Sayin Gülensoy (Ankara-Balgat, Turkey), Betül Gürsoy Çiçek, Aycan Yüksel, Aslıhan Alhan, Nalan Ogan, Evrim Eylem Akpınar

PA293	**Prognosis value of hypertension in Covid-19 infection** imen nouira (monastir, Tunisia), Sarra Maazaoui, Safa Marzouki, Sonia Habibech , Meriem Chaabene, Hager Racil, Naouel Chaouech
PA294	**Interest of searching diabetes at the first visit in a population with SARS COV2** Ahmed Dhia EL-EUCH (Sfax, Tunisia), abdmouleh khouloud, Mejdoub Fehri Sabrine, El Euch Dhia, Ghribi Wajih, Gannouni Ahmed, Kwas Hamida
PA295	**Clinical profile of Covid 19 positive patients admitted to a tertiary care hospital** Sameer Arbat (Nagpur (Maharashtra), India), Ashok Arbat, Parimal Deshpande, Swapnil Bakamwar, Gauri Ghadge
PA296	**Persistent symptoms and quality of life after novel coronavirus infection (COVID-19)** Ekaterina Makarova (Nizny Novgorod, Russian Federation), Natalya Lyubavina , Marina Milyutina, Elena Galova, Ekaterina Nekaeva , Irina Polyakova , Nikolay Menkov , Anastasiya Egorskaya
PA297	**Post covid-19 pulmonary complications, an experience from tertiary care hospital Karachi Pakistan** Nousheen Iqbal (Karachi (Sindh), Pakistan), Iffat Khanum, Syed Zubair, Muhammad Ali Ibrahim Kazi, Urooj Riaz, Muhamma Irfan, Ali Zubairi, Javaid A. Khan, Safia Awan
PA298	**Clinical characteristics and outcomes of hospitalized COVID-19 pneumonia : impact of gender** Imen Sahnoun (Ariana, Tunisia), Soumaya Debiche, Ameni Ben Mansour, Asma Zaafouri, Sarra Ben Sassi, Soumaya Ben Saad, Fatma Ezzahra Dabbebi, Hafaoua Daghfous, Sonia Maâlej, Fatma Tritar, Leila Douik El Gharbi
PA299	**Evaluation of the quality of life in patients treated for COVID-19 at the Hassan II hospital in Agadir using the MOS SF-36 questionnaire** fatiha bounoua (AGADIR, Morocco), Abdelkrim Khannous, Houda Moubachir, Hind Serhane
PA300	**Post-discharge persistent symptoms after hospitalization for COVID-19** Asma Allouche (bizerta , Tunisia), Sonia Toujani, Abir Hedhli, Yacine Ouahchi, Warda Jelassi, Cyrine Echeikh, Sana Cheikh Rouhou, Samira Merai, Meriem Mjid, Besma Dhahri
PA301	**Prevalence and impact of chronic respiratory disease in moderate to severe COVID-19 outcomes** Sabrine Louhaichi (Ariana, Tunisia), Safa Belkhir, Ikbelle Khalfallah, Nouha Boubaker, Mariem Ferchichi, Jamel Ammar, Besma Hamdi, Agnès Hamzaoui
PA302	**Recovery in patients with SARS-CoV-2 associated respiratory failure** Dario Kohlbrenner (Zurich, Switzerland), Manuel Kuhn, Melina Stüssi-Helbling, Marc Spielmanns, Yves Nordmann, Christian F. Clarenbach
PA303	**Association between age and clinical characteristics and outcomes of SARS COV2 pneumonia** Ahmed Dhia EL-EUCH (Sfax, Tunisia), abdmouleh khouloud, Mejdoub Fehri Sabrine, Ghribi Wajih, El Euch Dhia, Gannouni Ahmed, Kwas Hamida
PA304	**Obesity and its implications for COVID-19 evolution in Tunisian population** Asma Allouche (bizerta , Tunisia), Jihen Ben Amar, Khaoula Hemissi, Khadija Echi, Emna Ben Jemia, Haifa Zaibi, Hichem Aouina
PA305	**Cognitive disfunction in patients after COVID-19 with lung involvement** Nailya Shamsutdinova (Kazan, Russian Federation), Diana Abdulganieva, Elina Kirillova , Diana Gaisina, Alina Fatikhova, Ekaterina Dyakova
PA306	**Determination of community acquired pneumonia (CAP) severity in pregnant (pr.)** Nataliia Kravchenko (днепропетровск, Ukraine), Bohdana Basina, Tetiana Kirieieva

Pre-congress content Session 84 13:15 - 14:15

E-poster: Pulmonary rehabilitation in asthma and COPD

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases Respiratory critical care

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

Chairs : Janos Tamas Varga (Budapest, Hungary)

PA307	**Short Physical Performance Battery: Response to pulmonary rehabilitation and MCIDs in patients with COPD** Anouk Stoffels (Nijmegen (GE), Netherlands), Jana De Brandt, Roy Meys, Hieronymus Van Hees, Anouk Vaes, Peter Klijn, Chris Burtin, Frits Franssen, Bram Van Den Borst, Maurice Sillen, Daisy Janssen, Martijn Spruit

PA308	**The different sensations of breathlessness in patients with COPD- is all breathlessness the same?** Enya Daynes (Leicester, United Kingdom), Neil Greening, Sally Singh
PA309	**Metabolic and inflammatory profile in patients with COPD and physical activity.** Janos Tamas Varga (Budapest, Hungary), Monika Fekete, Gergo Szollosi, Stefano Tarantini, Anna Nemeth, Csenge Bodola, Luca Varga
PA310	**Physical inactivity accentuates impairment of pulmonary mechanics in persistent moderate asthmatics: involvement of nitric oxide** Renilson Moraes Ferreira (São José dos Campos, Brazil), Maysa A R Brandao-Rangel, Anamei Silva-Reis, Thiago G Gibson-Alves, Helida C Aquino-Alves, Victor H S Palmeira, Claudio R Frison, Rodolfo P Vieira
PA311	**The role of physical rehabilitation in the treatment of bronchial asthma patients** Kostiantyn Shvets (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Kseniia Ostrovska, Iryna Savelikhina, Oleksandr Varunkiv, Mariana Kulynych-Miskiv, Galyna Korzh, Nadiia Korzh
PA312	**Physical frailty in COPD patients with chronic respiratory failure** Sarah Gephine (Québec (QC), Canada), Patrick Mucci, Jean-Marie Grosbois, François Maltais, Didier Saey
PA313	**Reliability, construct validity and determinants of 6-minute walk distance in patients with asthma** Roy Meys (Horn, Netherlands), Steffi Janssen, Frits Franssen, Anouk Vaes, Anouk Stoffels, Hieronymus Van Hees, Bram Van Den Borst, Peter Klijn, Chris Burtin, Alex Van 'T Hul, Martijn Spruit
PA314	**Validity and reliability evidence of general self-efficacy scale in Greek adults with asthma.** Andreas Daskalakis (N. Smyrni - Athens, Greece), Eleni Smyrli, Eirini Grammatopoulou, Vasilis Brisimis, Aikaterini Chaniotou
PA315	**Psychometric validation of the Korean PROMIS-29 Profile v2.1 among patients with chronic pulmonary diseases in Korea** heesu nam (seoul, Republic of Korea), Danbee Kang, Bo Guen Kim, Sun Hye Shin, Hye Yun Park, Hyun Lee, Juhee Cho
PA316	**Late Breaking Abstract - Feasibility of instrumented ventilatory and functional evaluation in patients with chronic obstructive pulmonary disease** Simone Pancera (Manerbio, Italy), Luca Nicola Cesare Bianchi, Roberto Porta, Jorge Hugo Villafañe, Nicola Francesco Lopomo
PA317	**Effects of a NMES program in exercise capacity of hospitalized severely hypoxemic COPD patients** Andrés Calvache Mateo (Granada, Spain), Laura López López, Janet Remedios Rodríguez Torres, Irene Torres Sánchez, María Granados Santiago, Alicia Conde Valero, Marie Carmen Valenza
PA318	**Urinary symptoms are very frequent among people with chronic respiratory disease attending pulmonary rehabilitation** Francis-Edouard GRAVIER (Bois-Guillaume, France), Léna Bocquet, Pauline Smondack, Guillaume Prieur, Yann Combret, Jean-François Muir, Antoine Cuvelier, Fairuz Boujibar, Clément Médrinal, Tristan Bonnevie
PA319	**Differences in the response to pulmonary rehabilitation in patients with COPD according to their age range.** Vicente Benavides Córdoba (Cali, Colombia), Jhonatan Betancourt-Peña, Juan Carlos Avila-Valencia, Maria Camila Cano-Lasprilla, Jacklin Astrid Martínez-Valencia, Alexandra Osorio Castañeda
PA320	**Adherence to singing training vs. Physical training in COPD rehabilitation** Mette Kaasgaard (Copenhagen, Denmark), Daniel Bech Rasmussen, Karen Andreasson, Anders Løkke, Peter Vuust, Ole Hilberg, Uffe Bødtger
PA321	**The effects of inspiratory muscle warm-up prior to inspiratory muscle training during pulmonary rehabilitation in subjects with COPD** Ridvan Aktan (Balcova (İzmir), Turkey), Sevgi Ozalevli, Hazal Yakut, Aylin Ozgen Alpaydin
PA322	**Clustering of COPD patients admitted to pulmonary rehabilitation: a retrospective cohort analysis** Yara Al Chikhanie (Dieulefit, France), Sébastien Bailly, Daniel Veale, Frédéric Hérengt, Samuel Verges
PA323	**Clinical utility of gait and walking parameters in COPD, a scoping review** Laura Delgado Ortiz (Barcelona, Spain), Ashley Polhemus, Nikolaos Chynkiamis, Sara Buttery , Sofie Breuls , Sarah Koch, Magda Bosch De Basea , Dimitrios Megaritis , Elena Gimeno-Santos, Heleen Demeyer, Nick Hopkinson, Ioannis Vogiatzis, Thierry Troosters, Anja Frei, Judith Garcia-Aymerich
PA324	**The impact of locomotor syndrome on quality of life and functionality of COPD patients** Maria Granados Santiago (Alcaudete, Spain), Georgina Jiménez Lozano, Araceli Ortiz Rubio, Natalia Muñoz Vigueras, Irene Cabrera Martos , Marie Carmen Valenza

PA325	**Physiotherapy interventions on chest wall mobility in obstructive lung diseases: a systematic review** Funda Akuzum (İstanbul, Turkey), Aybike Senel, Basak Polat, Kubra Koce, Goksen Kuran Aslan
PA326	**Late Breaking Abstract - COPD patient´s adherence to pulmonary rehabilitation programs: scoping review** Nasly L Hernández (Cali, Colombia), Delia Constanza Serpa-Anaya, Angela María Hoyos-Quintero

Pre-congress content Session 85 13:15 - 14:15

E-poster: Symptoms across respiratory diseases and impact of COVID-19

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases Interstitial lung diseases

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

Tag(s) : COVID

Chairs : Shakila Devi Perumal (Cardiff, United Kingdom), Theresa Harvey-Dunstan (Loughborough (Leicestershire), United Kingdom)

PA327	**Immersive virtual reality as a method supporting pulmonary rehabilitation: Evaluation of the intensity of depressive and anxiety symptoms and stress levels** Sebastian Rutkowski (Opole, Poland), Jan Szczegielniak, Joanna Szczepańska-Gieracha
PA328	**Self-reported respiratory symptoms are poor indicators of exercise-induced bronchoconstriction in early-career athletes** Karin Ersson (Uppsala, Sweden), Kjell Alving, Christer Janson, Elisabet Mallmin, Leif Nordang, Katarina Norlander, Henrik Johansson, Andrei Malinovschi
PA329	**Development of a physiotherapist-led remote breathlessness clinic for community lung patients: the Respiratory Advice and Management Physiotherapy (RAMP) service.** Emily Johnstone (Bristol (Avon), United Kingdom), Dinesh Shrikrishna
PA330	**Giving voice to patients – experiences during acute exacerbations of COPD** Ana Filipa Machado (Senhora da Hora, Porto, Portugal), Sara Almeida, Bruno Cabrita, Catarina Cascais Costa, Paula Simão, Chris Burtin, Alda Marques
PA331	**The compare of neck pain and disability between COPD Patitens and healthy subjects** Ayşenur Yilmaz (Denizli, Turkey), Orçin Telli Atalay, Ayşe Ünal, Filiz Altuğ
PA332	**Depression, anxiety, sleep quality and fatigue in patients with stable asthma** Furkan Özdemir (Ankara, Turkey), Meral Bosnak-Guclu, Hanım Eda Goktas, I. Kıvılcım Oguzulgen
PA333	**Phenotypic features of bullying induced dyspnoea in children.** Claire Hepworth (Liverpool (Merseyside), United Kingdom), Ian Street, Philip Lawrence, Su De, Ian Sinha
PA334	**Correlations between mental disorder symptoms and pulmonary functions and respiratory muscle strength in healthy adults** Furkan Özdemir (Ankara, Turkey), Naciye Vardar Yağlı
PA335	**Elastic tape reduces dyspnea and improves health status in males with COPD: a randomized controlled trial** Caroline Maschio de Censo (São Paulo, Brazil), Eloise Arruda Santos, Thiago Fernandes, Rafaella Fagundes Xavier, Regina Carvalho- Pinto, Rafael Stelmach, Celso Ricardo Fernandes Carvalho
PA336	**Relationship between fatigue, physical activity and health-related factors in COPD** Joana Cruz (Leiria, Portugal), Ana Vieira, Diana Dias, Eunice Miguel, Telma Matos, Sofia Flora, Cândida G. Silva, Nuno Morais, Ana Oliveira, Rúben Caceiro, Fernando Silva, José Ribeiro, Sónia Silva, Vitória Martins, Carla Valente, Chris Burtin, Dina Brooks, Alda Marques
PA337	**The effect of the Belgian COVID-19 lockdown on the rehabilitation of patients with respiratory diseases** Fien Hermans (Gent, Belgium), Bihiyga Salhi, Evelien De Burck, Katlijn Geeurickx, Wendy Van Loo, Patrick Calders, Eric Derom, Heleen Demeyer
PA338	**The effects of COVID-19 outbreak on quality of life, physical activity level, dyspnea, lower extremity muscle endurance and falling risk in asthmatic elderly.** Elif Develi (istanbul, Turkey), Aslı Yeral, Ayca Yagcioglu, Sahra Can Sirvan, Hande Besna Gocen, Ata Tekin, Dogukan Tongar, Yasar Kucukardali, Feryal Subasi

PA339 **Impact of social distancing during the COVID-19 pandemic on clinical outcomes of patients with interstitial lung disease**
Gabriela Garcia Krinski (Londrina-PR, Brazil), Larissa Dragonetti Bertin, Camile Ludovico Zamboti, Thatielle Garcia, Heloise Angélico Pimpão, Heloiza Dos Santos Almeida, Brunna Luiza Silva Tavares, Nidia Hernandes, Marcos Ribeiro, Fabio Pitta, Carlos Augusto Camillo

PA340 **Physical activity in patients with lung disease over COVID-19 lockdown**
Nicola Sante Diciolla (Madrid, Spain), Alba Real-Rodríguez, Ana Filipa Machado, Cristina Jácome, Alejandro Quintela-Del Río, Jaime Cabo-Tabernero, Ana Lista-Paz

PA341 **The relationships between the fear of COVID-19 and perceived stress and dyspnea during the COVID-19 pandemic in patients with COPD: Preliminary findings of a prospective study**
Ridvan Aktan (Balcova (İzmir), Turkey), Sevgi Ozalevli, Hazal Yakut, Büşra Alkan, Aylin Ozgen Alpaydin

PA342 **Investigation Of The Dyspnea Perception In The Elderly Who Underwent Home Quarantine Due To Covid-19 Pandemics in Turkey**
Buket Barutçu Akinci (İstanbul, Turkey), Sena Karaduman, Sümeyye Seferoğlu, Rauf Metehan Yalçin, Buse Özenç, Özgenur Şahïn, Büşra Sultan Öztürk, Eda Özkan

PA343 **Impact of COVID-19 pandemic on sleep quality in adults with asthma**
Thainá Bessa Alves (Londrina, Brazil), Joice Mara Oliveira, Vitória Puzzi, Jéssica Priscila Silva, Thamyres Spositon, Diery Fernandes Rugila, Natielly Soares Correia, Andréa Daiane Fontana, André Vinicius Santana, Nidia A Hernandes, Fabio Pitta, Raquel Pastrello Hirata, Karina Couto Furlanetto

PA344 **Association of sleep quality with clinical outcomes of adults with asthma during the COVID-19 pandemic**
Thainá Bessa Alves (Londrina, Brazil), Joice Mara Oliveira, Vitória Puzzi, Jéssica Priscila Silva, Andréa Daiane Fontana, André Vinicius Santana, Nidia A Hernandes, Arthur Eumann Mesas, Fabio Pitta, Raquel Pastrello Hirata, Karina Couto Furlanetto

PA345 **The Experiences of Children/Adolesences with Cystic Fibros During the COVID-19 Pandemic**
Cemile Bozdemir Ozel (Eskisehir, Turkey), Raziye Nesrin Demirtas, Abdurrahman Arslan, Gonca Kilic Yildirim

PA346 **Coronaphobia and physical activity level in patients with non-cystic fibrosis bronchiectasis during COVID-19 pandemic**
Naciye Vardar Yağlı (Ankara, Turkey), Merve Firat, Aslihan Cakmak, Melda Saglam, Ebru Calik-Kutukcu, Deniz Inal-Ince, Lutfi Coplu

Pre-congress content Session 86 13:15 - 14:15

E-poster: Novel imaging analysis methodologies in diffuse lung diseases

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

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

Tag(s) : COVID, Digital health

Chairs : Helmut Prosch (Wien, Austria), Licia Zanol Lorencini Stanzani (Lisbon, Portugal)

PA347 **The utility of the Gho scale in the tomographic evaluation of severe COVID 19 and its correlation with biomarkers.**
Angel Emmanuel Vega-Sanchez (Ciudad de Mexico, Mexico), Mayra Mejía, Diego Alexis García-Estudillo, Jorge Rojas-Serrano, Heidegger Mateos-Toledo, Andrea Estrada-Garrido , Jhonathan Saul Castillo-Pedroza, Pedro Abisay Rivera-Matias

PA348 **Label-free analysis of experimental lung fibrosis using multiphoton microscopy and Raman spectroscopy**
Ingo Ganzleben (Erlangen, Germany), Lucas Kreiß, Alexander Mühlberg, Oliver Friedrich, Markus F. Neurath, Sebastian Schürmann, Maximilian Waldner

PA349 **The effect of exacerbations on lung density in relation to patient characteristics in the RAPID-RCT trial of alpha-1 antitrypsin therapy**
Charlie Strange (Charleston, United States of America), N. Gerard Mcelvaney, Claus F. Vogelmeier, Marcos Marin-Galiano, Michaela Haensel, Xiang Zhang, Younan Chen, Oliver Vit, Marion Wencker, Kenneth Chapman

PA350 **Proton MRI assessment of lung structure and function in people with cystic fibrosis**
Jonathan Brooke (Nottigham, United Kingdom), Shahideh Safavi, Andrew P Prayle, Christabella Ng, Jan Paul, Christopher Bradley, Andrew Cooper, Samal Munidasa, Brandon Zanette, Giles E Santyr, Helen Barr, Giles Major, Alan Smyth, Penny Gowland, Susan Francis, Ian P Hall

PA351	**The severity of lung involvement in systemic sclerosis expressed as a Warrick score differs depending on the HRCT scan procedure** Össur Ingi Emilsson (Uppsala, Sweden), Angelica Dessle, Henrik Johansson, Shamisa Adeli, Andrei Malinovschi, Maija-Leena Eloranta, Tomas Hansen
PA352	**Innovative application of artificial intelligence to pre-screen COVID-19 from digital chest radiographs – our experience in a tertiary care setup** Pranav Ajmera (Pune, India), Amit Kharat, Deepak Patkar, Mitusha Verma
PA353	**Imaging Ventilation In Awake Non-sedated Pre-school Children With Free-Breathing Upright Proton MRI.** Andrew Prayle (Nottingham (Nottinghamshire), United Kingdom), James Harkin, Andrew Cooper, Michael Barlow, Shahida Safavi, Penny Gowland, Alan Smyth, Ian Hall
PA354	**Late Breaking Abstract - Prognostic value of pulmonary artery diameter as a measure of right ventricular strain in hospitalized Covid-19 patients** Moussa Riachy (Beyrouth, Lebanon), Fadi Farah, Mohamed Awali, Anis Ismail, Noel Aoun, Albert Riachy, Elio Mekhael, Karim El Hoyek, Nabil Nassim, Ghassan Sleilaty
PA355	**Late Breaking Abstract - Digital tomography in the diagnosis of a posterior pneumothorax in the intensive care unit (ICU)** Shauni Wellekens (Aalst, Belgium), Joop Jonckheer, Nico Buls , Johan De Mey
PA356	**A fully automated cardiac magnetic resonance (CMR) assessment improves the evaluation of patients with pulmonary arterial hypertension (PAH)** Samer Alabed (Sheffield, United Kingdom), Kavita Karunasaagarar, Faisal Alandejani, Mahan Salehi, Ziad Aldabbagh, Pankaj Garg, Johanna Uthoff, Haiping Lu, Jim Wild, David Kiely, Rob Van Der Geest, Andy Swift
PA357	**The correlation between the results of 99m Tc-technetril accumulation and MSCT data in granulomatous lung diseases** Rasul Amansahedov (Moscow, Russian Federation), Elena Vasilenko, Natalya Karpina, Anatoliy Sigaev, Atadzhan Ergeshov
PA358	**Prognostic impact of pleuropulmonary pathologies in the early phase of acute pancreatitis.** Ina Luiken (Halle (Saale), Germany), Stephan Eisenmann, Jakob Garbe, Johannes Dober, Walter Alexander Wohlgemuth, Richard Brill, Patrick Michl, Jonas Rosendahl, Marko Damm
PA359	**Artificial intelligence to optimize pulmonary embolism diagnosis during covid-19 pandemic by perfusion SPECT/CT, a pilot study** Sonia Baeza (barcelona, Spain), Roger Domingo, Maite Salcedo-Pujantell, Jordi Deportós, Gloria Moragas, Ignasi Garcia-Olivé, Carles Sanchez, Debora Gil, Antoni Rosell
PA360	**A retrospective study comparing a quantifying Artificial Intelligence-based scoring system with a visual scoring system to determine the lung injury in COVID-19 disease.** Charlotte Biebaû (Leuven, Belgium), Adriana Dubbeldam, Lesley Cockmartin, Walter Coudyzer, Johan Coolen, Johny Verschakelen, Walter De Wever
PA361	**Prediction of outcome in COVID-19 patients based on clinical and radiomics chest CT data** Ralph T.H. Leijenaar (Liege, Belgium), Julien Guiot, Akshayaa Vaidyanathan , Fadila Zerka, Louis Deprez, Denis Danthine, Anne-Noëlle Frix, Fabio Bottari, Monique Henket , Stephane Mathieu , Philippe Lambin , Sean Walsh , Mariaelena Occhipinti, Benoit Misset , Louis Renard, Paul Meunier , Wim Vos, Pierre Lovinfosse
PA362	**Validation of remote dielectric sensing (ReDS) in COVID-19** Federico Mei (Ancona (AN), Italy), Alessandro Di Marco Berardino, Martina Bonifazi , Lara Letizia Latini, Lina Zuccatosta, Stefano Gasparini
PA363	**Role of adaptive immunity in clinical variability of active tuberculosis patients** Carla Maria Irene Quarato (Foggia, Italy), Giulia Scioscia, Donato Lacedonia, Karin Del Vecchio, Antonio Laricchiuta, Maria Cristina Colanardi, Ernesto Giuffreda, Piergiuseppe Bonfitto, Maria Pia Foschino Barbaro

Pre-congress content Session 87 13:15 - 14:15

E-poster: Pathophysiology and clinical consequences of obstructive sleep apnoea

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Sleep and breathing disorders

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

Chairs : Manuel Sanchez De La Torre (Lleida, Spain), Athanasia Pataka (Thessaloniki, Greece)

PA364	**The platelet-lymphocyte ratio as a marker of the severity of the obstructive sleep apnea-hypopnea syndrome: fact or fiction?** Esma Jameleddine (Tunis, Tunisia), Souha Kallel, Khouloud Kchaou, Mohamed Amine Chaabouni, Malek Mnejja, Ilhem Charfeddine
PA365	**Bicarbonate venous blood level in obstructive sleep apnea syndrome: Any correlation with nocturnal hypoxia?** Hana Mrassi (Tunis, Tunisia), Islam Mejri, Samira Mhamdi, Salsabil Dabboussi, Chiraz Aichaouia, Zied Moatemri, Mohsen Khadhraoui
PA366	**Bone metabolism and fracture risk in obstructive sleep apnea** Daniela Krasimirova (Sofia, Bulgaria), Ventsislava Pencheva, Ognyan Georgiev, Daniela Petrova, Radoslav Bilyukov, Tzanko Mondeshki, Sevda Naydenska, Petko Shoshkov, Adelina Tzakova
PA367	**Disregulation of iron metabolism and atherosclerotic changes in Obstructive sleep apnoea** Ventsislava Pencheva Genova (Sofia, Bulgaria), Victor Manolov, Ognian Gerogiev, Vasil Vasilev , Savina Hadjidekova, Latchezar Traykov, Kamen Tzatchev
PA368	**Dehydroepiandrosterone's neurocognitive correlates in male patients with Obstructive Sleep Apnea Syndrome: A preliminary report** Ourania Kotsiou (Larissa, Greece), Dimitra Siachpazidou, George Vavougios, Vasileios Stavrou, Zoe Daniil, Evdoxia Gogou, Chaido Pastaka, Chrysa Hatzoglou, Konstantinos Gourgoulianis
PA369	**Differences in glucose/lipid metabolic factors between obese/non-obese subjects with higher apnea-hypopnea index** Masako Ueyama (Tokyo, Japan), Hiroyuki Kokuto, Hiroshi Kimura, Shinichi Oikawa, Hitoshi Sugihara, Fumio Suzuki, Ken Ohta
PA370	**Triglyceride-glucose index in non-diabetic, non-obese patients with obstructive sleep apnoea** Andras Bikov (Budapest, Hungary), Stefan Frent, Martina Meszaros, Laszlo Kunos, Alexander Mathioudakis, Alina Gabriela Negru, Stefan Mihaicuta
PA371	**Body surface area as a tool for predicting the severity of obstructive apnea hypopnea syndrome** Esma Jameleddine (Tunis, Tunisia), Souha Kallel, Khouloud Kchaou, Marwa Regaig, Sirine Ayadi, Malek Mnejja, Ilhem Charfeddine
PA372	**Relationship between neck fat volume and severity of obstructive sleep apnea** Glenda Ernst (Ciudad Autónoma Buenos Aires, Argentina), Pablo Dalzotto, Martin Ferraro, Alejandro Salvado, Eduardo Borsini
PA373	**Exploring the relationship between respiratory muscle strength and the apnea-hypopnea index: A preliminary report.** K GOURGOULIANIS (ΛΑΡΙΣΑ, Greece), Vasileios Stavrou, Kyriaki Astara, George Vavougios, Eleni Karetsi, Dimitra Siachpazidou, Eirini Papayianni, Zoe Daniil, Konstantinos Gourgoulianis
PA374	**Prevalence of Cardiometabolic Disease in the Greek Sleep Apnea Patients Cohort** Dimitra Siopi (Thessaloniki, Greece), Georgia Trakada, Vlasios Dimitriadis, Anastasia Amfilochiou, Vasiliki Paschidou, Christina Alexopoulou, Georgia Varsou, Athanasios Konstantinidis, Paschalis Steiropoulos, Athanasia Pataka, Christos Karachristos, Michalis Agrafiotis, Anastasia Chasiotou, Charikleia Tselepi, Anastasios Kallianos, Maria Fountoulaki, Athanasios Gounidis, Konstantinos Porpodis, Eumorfia Kondili, Pantelis Natsiavas, Venetia Tsara
PA375	**Comorbidities associated with sleep apnea - a nested case-control study in hospitalized patients** Florent Baty (St. Gallen, Switzerland), Maurice Moser, Otto Schoch, Martin Brutsche
PA376	**Thyroid Functions in Obstructive Sleep Apnea Patients** Seda Beyhan Sagmen (Istanbul, Turkey), Omer Zengin, Nesrin Kiral, Ali Fidan, Sevda Sener Comert
PA377	**Apnea-hypopnea index of 4 per hour serves as a metabolomic breakpoint in patients referred for polysomnography** 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
PA378	**CIH can induce liver macrophage M2 polarization** YINA WANG (CHANGSHA, China), YINA WANG, Yayong Li, Jingjie Kuang
PA379	**Effects of chronic intermittent hypoxia caused by obstructive sleep apneaon elderly mice** Heayon Lee (seoul, Republic of Korea), Sei Won Kim, In Kyoung Kim, Chang Dong Yeo, Hee Young Kwon, Sang Haak Lee
PA380	**Effect of aging on gut microbiota, intestinal permeability and inflammation in a mouse model of obstructive sleep apnea** Isaac Almendros (Barcelona, Spain), Lidia Sanchez-Alcoholado, Aurora Laborda Illanes , Isaac Plaza-Andrade, David Gozal, Ramon Farre, Maria I Queipo-Ortuño

PA381 **Quality of life impairment in patients with obstructive sleep apnea**
Imen Touil (Mahdia, Tunisia), Touil Imen, Omrane Amira, Ksissa Souhir, Brahem Yosra, Keskes Boudawara Nadia, Bouchareb Soumaya, Baili Hassen, Bouzgarrou Lamia, Knani Jalel, Boussoffara Leila

PA382 **Daytime sleepiness and quality of life in patients with obstructive sleep apnea**
Imen Touil (Mahdia, Tunisia), Touil Imen, Soumaya Bouchareb, Souhir Ksissa, Nadia Keskes Boudawara, Yosra Brahem, Hassen Baili, Jalel Knani, Leila Boussoffara

Pre-congress content Session 88 13:15 - 14:15

E-poster: Biomarkers and e-health in idiopathic interstitial pneumonia

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Interstitial lung diseases

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

Tag(s) : Digital health

Chairs : Argyris Tzouvelekis (Athens, Greece), Irina Ruxandra Strambu (Bucuresti (Sector 5), Romania)

PA383 **Prevalence of novel myositis autoantibodies in a large cohort of patients with interstitial lung disease**
Sofia A. Moll (Nieuwegein, Netherlands), Mark Platenburg, Anouk Platteel, Adriane Vorselaars, Montse Janssen, Raisa Kraaijvanger, Claudia Roodenburg-Benschop, Bob Meek, Coline Van Moorsel, Jan Grutters

PA384 **Blood Krebs von den Lungen-6 predicts mortality in patients with acute exacerbation of interstitial lung disease**
Myeong Geun Choi (Seoul, Republic of Korea), Jung-Ki Yoon, Sun Mi Choi, Jin Woo Song

PA385 **Serum concentrations of KL-6 in patients with IPF and lung cancer and serial measurements of KL-6 in IPF patients treated with antifibrotic therapy**
Miriana d'Alessandro (Siena, Italy), Laura Bergantini, Paolo Cameli, Maria Pieroni, Rosa Metella Refini, Piersante Sestini, Elena Bargagli

PA386 **Identifying serum molecular biomarkers that distinguish emphysema and early fibrotic interstitial lung disease.**
Christman Ihuoma (Edinburgh, United Kingdom), Alexander Przybylski, Cecilia Boz, Feng Li, Edwin Van Beek, Nik Hirani

PA387 **Differential expression of PD-1/PD-L1 axis and CD4/CD8 ratio in mediastinal lymph nodes of patients with idiopathic pulmonary fibrosis and lung cancer**
Theodoros Karampitsakos (Athens, Greece), Serafeim Chrysikos, Ioannis Vamvakaris, Ourania Papaioannou, Evangelos Bouros, Vasilios Tzilas, Matthaios Katsaras, Katerina Dimakou, Effrosyni Manali, Spyridon Papiris, Demosthenes Bouros, Petros Bakakos, Argyris Tzouvelekis

PA388 **Blood leukocyte levels as potential prognostic markers in IPF**
Andrew Achaiah (Oxford, United Kingdom), Andrea Pereira, Harriet Bothwell, Kritica Dwivedi, Armila Rathnapala, Rosia Barker, Valentina Iotchkova, Rachel Hoyles, Ling-Pei Ho

PA389 **Predicting IPF outcomes: lung function evaluation by %predicted and z-score**
Piotr Boros (Warszawa, Poland), Ming Yang, Klaus-Uwe Kirchgaessler, Magdalena Martusewicz-Boros

PA390 **PD-L1 expression in patients with idiopathic pulmonary fibrosis.**
Sissel Kronborg-White (Lystrup, Denmark), Line Bille Madsen , Elisabeth Bendstrup, Venerino Poletti

PA391 **Activated lymphoid follicles, sign of an immune response, are present in early idiopathic pulmonary fibrosis (IPF) and increase with disease progression.**
Elisabetta Cocconcelli (Padova (PD), Italy), Graziella Turato, Erica Bazzan, Alvise Casara, Giordano Fiorentù, Fiorella Calabrese, Federico Rea, Alessandro Sanduzzi, Manuel G Cosio, Marina Saetta, Paolo Spagnolo, Elisabetta Balestro

PA392 **Lymphocyte to monocyte ratio (LMR) predicts survival in patients with Idiopathic Pulmonary Fibrosis (IPF).**
Nicol Bernardinello (Trecenta (RO), Italy), Giulia Grisostomi, Elisabetta Cocconcelli, Gioele Castelli, Davide Biondini, Marina Saetta, Paolo Spagnolo, Elisabetta Balestro

PA393 **Elevated leukocyte count predicts survival in patients with idiopathic pulmonary fibrosis: analysis from the Swedish and Japanese cohorts**
Jing Gao (Stockholm, Sweden), Dimitrios Kalafatis, Hiroshi Iwamoto, Hiroki Tanahashi , Kakuhiro Yamaguchi, Yasushi Horimasu, Lisa Carlson , Ida Pesonen, Noboru Hattori , Magnus Skold

PA394 **Autoantibodies in Interstitial Lung Diseases**
Asli Bostanoglu (Ankara, Turkey), Gokhan Celik

PA395 **A systematic review and individual participant data meta-analysis of MMP-7 and outcomes in idiopathic pulmonary fibrosis**
Fasihul Khan (Nottingham, United Kingdom), Fasihul Khan, Iain Stewart, Gauri Saini, Karen A Robinson, Gisli Jenkins

PA396 **Feasability of home spirometry in patients with Interstitial lung disease (ILD) during the COVID-19 pandemic**
Andrew Achaiah (Oxford, United Kingdom), Carmine Ruggiero, Vishal Nathwani, Emily Fraser, Rachel Hoyles, Peter Saunders

PA397 **Cost-effectiveness of an online homemonitoring program in idiopathic pulmonary fibrosis**
Catharina Moor (Rotterdam, Netherlands), M.L. Kimman, R.L.M. Mostard, J.C. Grutters, P. Bresser, J.G.J.V. Aerts, M.S. Wijsenbeek

PA398 **Real world patient experience of home spirometry within a UK ILD centre**
Carmine Ruggiero (Oxford, United Kingdom), Shakila Hussain, Andrew Achaiah, Emily Fraser, Peter Saunders, Rachel K Hoyles

PA399 **STARLINER study; patients' and doctors' experiences with a digital eco-system**
Marlies S. Wijsenbeek (Rotterdam, Netherlands), Elisabeth Bendstrup, Claudia Valenzuela, Michael T. Henry, Monica Bengus, Frank Gilberg, Klaus-Uwe Kirchgaessler, Carlo Vancheri

PA400 **Quality of life improvement after one-year integral home-care program in IPF patients that receive nintedanib**
Cristina Ruiz Herrero (Hospitalet del Llobregat, Spain), Laura Cobo Sanchez, Karina Portillo, Ana Boldova Loscertales, Alejandro Robles, Jesus Arribas, Jose A Figuerola, Rosana Blavia, Yolanda Belmonte, Amalia Moreno, Diego Castillod, Anna Villar, Diana Badenes, Danny Zayas, Guillermo Suarez, Laia Garcia, Eva Balcells, Jacobo Sellares, Yohana Garcia, Silvia Barril, Jordi Sans, Mireia Serra, Damià Perich, Lluis Esteban, J Dorca, Paulina Cerda-Cortes, Josep Palma, Esther Ruiz, Maria Molina Molina

PA401 **EPIDIA: an App to to assist physicians in the care of patients with interstitial lung diseases**
Gabriela Claudia Tabaj (Ciudad Autónoma Buenos Aires, Argentina), Brenda Varela , Lucas Sheridan

PA402 **Agreement in the evaluation of interstitial lung diseases between multiples observers and a mobile app in Argentina**
Brenda Elena Varela (Ciudad Autónoma Buenos Aires, Argentina), Gabriela Claudia Tabaj

Pre-congress content Session 89 13:15 - 14:15

E-poster: Hypoxia, exercise and respiratory function in pathophysiological conditions

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

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

Tag(s) : Digital health

Chairs : Samuel Verges (Grenoble, France), Christina M. Spengler (Zürich, Switzerland)

PA403 **Time course of cerebral oxygenation in highlanders: 5-year prospective study.**
Matthias Cornelius Luyken (Heidelberg, Germany), Paula Appenzeller, Philipp M Scheiwiller, Mona Lichtblau, Maamed Mademilov, Aybermet Muratbekova, Ulan Sheraliev, Ainura Abdraeva, Nuriddin H Marazhapov, Talant M Sooronbaev, Silvia Ulrich, Konrad Ernst Bloch, Michael Furian

PA404 **Effect of fast ascent, acclimatization and re-exposure to 5050m on cerebral autoregulation in lowlanders. A prospective cohort study.**
Laura Graf (Zürich, Switzerland), Sara E Hartmann, Mona Lichtblau, Lara Muralt, Patrick R Bader, Ivan Lopez, Jean M Rawling, Silvia Ulrich, Konrad E Bloch, Marc J Poulin, Michael Furian

PA405 **Cardiopulmonary exercise testing as non-invasive tool for CTEPH treatment effect assessment**
Maria Simakova (St. Petersburg, Russian Federation), Irina Zlobina, Aelita Berezina, Konstantin Pishchulov, Narek Marykyan, Olga Moiseeva

PA406 **Effect of oxygen on blood pressure response to altitude exposure in COPD**
Martina Meszaros (Zürich, Switzerland), Martina Meszaros, Tsogayl D Latshang, Sayaka Aeschbacher, Fabienne Huber, Deborah Flueck, Mona Lichtblau, Stefanie Ulrich, Elisabeth D Hasler, Philipp Scheiwiller, Silvia Ulrich, Konrad Bloch, Michael Furian, Esther Irene Schwarz

PA407	**Effects of oxygen supplementation in autonomic nervous system function during exercise in patients with idiopathic pulmonary fibrosis and exertional desaturation** Afroditi Boutou (Thessaloniki, Greece), Konstantina Dipla, Katerina Markopoulou, Georgia Pitsiou, Stavros Papadopoulos, Stella Kritikou, Diamantis Chloros, Ioannis Kioumis, Ioannis Stanopoulos, Andreas Zafeiridis
PA408	**Comparative response to incremental cardiopulmonary exercise testing in patients with uni- and bilateral diaphragm dysfunction** Gao Sheng Huang (Montreal, Canada), Bruno-Pierre Dubé
PA409	**Skeletal muscle afferent sensitivity in Interstitial Lung Disease-interim analysis of a randomized cross-over study** Charlotte Chen (Auckland, New Zealand), John Kolbe, Julian Paton, Margaret Wilsher, Sally De Boer, James Fisher
PA410	**Tobacco smoking in asthma patients with exercise-induced bronchoconstriction is associated with greater desaturation during dosed exercise** Juliy M. Perelman (Blagoveshchensk (Amur Oblast), Russian Federation), Leonid G. Nakhamchen, Anna G. Prikhodko
PA411	**Checking true VO2max values by supramaximal exercise testing: physiological insights** Maria Cecília Moraes Frade (Ribeirão Preto, Brazil), Thomas Beltrame, Mariana De Oliveira Gois, Ariane Petronilho, Stephanie Nogueira Linares, Silvia Cristina Garcia Moura De Tonello, Aparecida Maria Catai
PA412	**Beta-adrenergic blockade effects on aerobic capacity and chronotropic response** Kevin Forton (Bruxelles, Belgium), Michel Lamotte, Alexis Gillet, Vitalie Faoro
PA413	**Air travel in chronic lung disease: can clinical variables predict response to the hypoxic challenge test?** Marie-Camille Soucy-Giguere (Montreal, Canada), Bruno-Pierre Dubé
PA414	**Patients' opinions of remote exercise capacity testing in pulmonary hypertension** Harrison Stubbs (Glasgow, United Kingdom), Martin Johnson
PA415	**Entropy generation changes during exercising comparing lungs of male and female subjects** Jale Çatak (İstanbul, Turkey), Elif Develi, Serkan Bayram
PA416	**Effects of exercise training on functional performance in fibrosing interstitial lung diseases** Hatem Essam Hamed Rizq (Alexandria, Egypt), Gihan Younis, Hanaa Shafiek, Enas Elsayed, Nashwa Hassan Abdel Wahab
PA417	**The heart rate variability analysis during a virtual reality exercise test** Sebastian Rutkowski (Opole, Poland), Patryk Szary, Jerzy Sacha, Richard Casaburi
PA418	**Nocturnal cerebral oxygenation in patients with COPD at altitude - effect of acetazolamide** Michael Furian (Zürich, Switzerland), Yaël Anne Schmuziger, Maamed Mademilov, Aline Buergin, Philipp M Scheiwiller, Laura Mayer, Simon R Schneider, Mona Lichtblau, Konstantinos Bitos, Lara Muralt, Alexandra Groth, Ulan Sheraliev, Nuriddin H Marazhapov, Azamat Akylbekov, Gulzada Mirzalieva, Alena Oleinik, Talant M Sooronbaev, Silvia Ulrich, Konrad E Bloch
PA419	**Effect of exercise training on cerebral oxygenation and affects during exercise in obesity** Mathieu Marillier (Echirolles, France), Anna Borowik, Samarmar Chacaroun, Sébastien Baillieul, Stéphane Doutreleau, Michel Guinot, Bernard Wuyam, Renaud Tamisier, Jean-Louis Pépin, François Estève, Samuel Vergès, Damien Tessier, Patrice Flore
PA420	**Laryngoscopy can guide inspiratory muscle training (IMT) in exercise induced laryngeal obstruction (EILO).** Petrine Solli Veierod (Bergen, Norway), Haakon Kvidaland, Praveen Muralitharan, Petter Carlsen, Maria Vollsæter, Tiina Andersen, Sigrun Hjelle, Thomas Halvorsen, Ola Drange Røksund, Hege Clemm
PA421	**The impact of Beta Blockade on cardio-respiratory system and symptoms during exercise** Eldar Priel (Dundas, Canada), Imran Satia, Kieran J. Killian
PA422	**Late Breaking Abstract - Spatial response to small and large particle bronchodilator in subjects with asthma** Claire O'Sullivan (Birmingham (West Midlands), United Kingdom), Kris Nilsen, Kim Prisk, Andreas Voskrebenzev, Jens Vogel-Claussen, Bruce Thompson

Pre-congress content Session 90 13:15 - 14:15

E-poster: Thoracic surgery, lung cancer and complications of COVID-19

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

Method(s) : Surgery Epidemiology Endoscopy and interventional pulmonology Respiratory intensive care General respiratory patient care Pulmonary function testing Physiology Imaging

Tag(s) : COVID

Chairs : Peter Yablonsky (St. Petersburg, Russian Federation), Sandra LINDSTEDT (Lund, Sweden)

PA423	**Mathematical Analysis of Relationships Between Airflows and Intrapleural Pressures After Video-Assisted Lobectomies>** Luca Bertolaccini (Milan, Italy), Nicola Rotolo, Andrea Imperatori, Angelo Morelli, Marco Chiappetta, Stefano Margaritora, Marcello Carlo Ambrogi, Marco Lucchi, Diego Gavezzoli, Mauro Benvenuti, Gino Zaccagna, Lorenzo Spaggiari, Roberto Crisci
PA424	**Impact on survival of station 9 and necessity of inferior pulmonary ligament dissection in upper lobectomy for lung cancer** Serkan Yazgan (Izmir, Turkey), Ahmet Ucvet, Yunus Turk, Soner Gursoy
PA425	**Morphological changes in cicatrical stenosis of the trachea. The effect of long-term endoprosthesis on the epithelium.** Rustem Hayaliev (Tashkent, Uzbekistan), Iskander Baybekov, Otabek Eshonkhodjaev, Shuhrat Khudaybergenov
PA426	**Tracheal stenosis. One region experience** Igor Motus (Ekaterinburg (Sverdlovsk Oblast), Russian Federation), Nadezhda Giss, Igor Medvinsky, Olga Konstantinova
PA427	**Organ-saving method of surgical treatment (intrapleural excision of the external wall of the cavity and suturing of the draining bronchi) of patients with chronic cavities of the lungs>** Irina Orlova (Minsk, Belarus)
PA428	**The role of halogenated inhalation anesthetics in the organization of gas exchange function of the lungs in thoracic surgery.** Dmitry Kabakov (Moscow, Russian Federation), Margarita Vyzhigina, Dmitry Bazarov, Andrey Zaytsev, Alexey Kavochkin, Svetlana Zhukova
PA429	**Lung herniation as a complication of minimally thoracic surgery** Kalliopi Athanassiadi (Athens, Greece), Konstantinos Elefteriou, Evangelia Liverakou, Ioannis Alevizakis, Evangelia Chatzimichali, Apostolos Pappas, Niki Gianniou, Ioanna Sigala, Ioannis Kalomenidis, Paraskevi Katsaounou, Axel Haverich
PA430	**Merging new data with preferences:Does thoracoscopic paravertebral block catheter placement before thoracic surgery enhances patient's recovery? A prospective cohort study.** Dimitris Lioumpas (Athens, Greece), Ioannis Stamatatos, Georgios Anagostopoulos, Fragkiskos Tsagkarakis, Dimitrios Xekalakis, Antonis Katsadonis, Thrasyvoulos Michos, Kostantinos Bouboulis, Nikolaos Eleutheroulis, Nikolaos Tzatzadakis
PA431	**Ventilation disorders by impulse oscillometry in pulmonary tuberculosis patients in early post-operative period** Larisa Kiryukhina (St. Petersburg, Russian Federation), Olga Volodich, Nina Denisova, Nataliia Nefedova, Elena Kokorina, Armen Avetisyan, Grigorii Kudryashov, Piotr Yablonskii
PA432	**Management of pulmonary sequestration in adults; report of 27 cases** Imen Bouassida (Ariana , Tunisia), Mariem Hadj Dahmane, Wifek Saidani, Mouna Bousnina, Bechir Ben Rathia, Amira Dridi, Mahdi Abdennadher, Sarra Zairi, Hazem Zribi, Adel Marghli
PA433	**Management of simultaneous bilateral pneumothorax** Imen Bouassida (Ariana , Tunisia), Wifek Saidani , Hadj Dahmane Mariem, Sarra Zairi, Mahdi Abdennadher, Elyes Khlas, Amira Dridi, Aida Ayedi, Adel Marghli
PA434	**VATS or sternotomy in mediastinal tumours?Time for crashworthiness** Ioannis Karampinis (Athens, Greece), Georgia Hardavella, Antonios Katsipoulakis, Nikolaos Anastasiou
PA435	**Google Trend Data Analysis of COVID-19 Repercussion on Lung Cancer Awareness in Italy** Luca Bertolaccini (Milan, Italy), Elena Prisciandaro, Lorenzo Spaggiari
PA436	**Spontaneous pneumothorax as a complication of COVID-19 pneumonia – self-experience study** Ivan Novakov (Plovdiv, Bulgaria), Filip Shterev, Plamena Novakova
PA437	**Pneumomediastinum as a complication of COVID-19 pneumonia – self-experience study** Ivan Novakov (Plovdiv, Bulgaria), Filip Shterev, Silviya Novakova
PA438	**Pleural complications and chest tube follow-up in patients with COVID-19** Güntuğ Batıhan (Izmir, Turkey), Kenan Can Ceylan, Serkan Yazgan, Soner Gürsoy, Sami Cenk Kıraklı, Sena Ataman

PA439 **The choice of priming solution for cardiopulmonary bypass during pulmonary endarterectomy for CTEPH patients has important impact**
Katarzyna Furrer (Zürich, Switzerland), Dominique Bettex, Thomas Horisberger, Ilhan Inci, Oliver Schmid, Naveen Gaddehosur Nagaraj, Hoang-Thi Morselli, Bianca Battilana, Reto Schuepbach, Silvia Ulrich, Monika Hebeisen, Alessandra Matter, Isabelle Opitz

PA440 **LSC - 2021 - Reversible fetal tracheal occlusion in mice: a novel transuterine method**
Nilhan Torlak (İstanbul, Turkey), Alkim Yildirim (ayildirim17@ku.edu.tr / Pediatric Surgery, School of Medicine, Koç University,Istanbul), Egemen Eroglu (eeroglu@ku.edu.tr / Pediatric Surgery, School of Medicine, Koç University,Istanbul), Emrah Aydin (dremrahaydin@yahoo.com / Koç University Translational Medicine Research Center, Koç University,Istanbul)

Pre-congress content Session 91 13:15 - 14:15

E-poster: Diagnosis and management of COVID-19

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

Method(s) : Imaging General respiratory patient care Epidemiology Respiratory intensive care Public health Pulmonary rehabilitation

Tag(s) : COVID, Digital health

Chairs : Dimitrios Toumpanakis (Athens, Greece), Maria Ada Presotto (Heidelberg, Germany)

PA441 **Passive Microwave Radiometry (MWR) for diagnostics of COVID-19 lung complications in Kyrgyzstan.**
Batyr Osmonov (Bishkek, Kyrgyzstan), Lev Ovchinnikov, Christopher Galazis, Berik Emilov, Mustafa Karaibragimov, Meder Seitov, Igor Goryanin

PA442 **Local incidence and outcomes of patients with pneumothorax and pneumomediastinum in COVID-19**
Avinash Aujayeb (newcastle, Mauritius), Karl Jackson

PA443 **What can we learn about oxygen therapy from the Nightingale North West experience?**
Stephanie Stolberg (Manchester, United Kingdom), Sakina Ali, Sarah Sibley

PA444 **Oximetry and acid-base balance features in pregnant women with pneumonia caused by SARS-COV-2**
Irina A. Andrievskaya (Blagoveshchensk, Russian Federation), Irina V. Zhukovets, Viktor S. Bardov, Natalia A. Ishutina, Inna V. Dovzhikova, Anton S. Abuldinov, Karen S. Lyazgian, Victor P. Kolosov

PA445 **Happy Hypoxia: A case series**
Tarang Kulkarni (Mumbai (Maharashtra), India), Manas Mengar, Alpa Dalal

PA446 **The implementation of routine breathlessness and cough scoring in a virtual early supported discharge service for COVID-19.**
Katie Rhatigan (Denmark Hill, United Kingdom), Caroline J Jolley, Jacqui Fenton, Savannah Ramos-Smyth, Martha Ford-Adams, Amit Patel, Peter S P Cho, Irem Patel, Surinder S Birring

PA447 **Point-of-care anti-SARS-CoV-2 antibody testing: results from the PRACTICES Study**
Gabriella Long (Hayling Island (Hampshire), United Kingdom), Mohammed Munavvar

PA448 **Appropriately timed COVID-19 PCR testing for hospital inpatients.**
Zaheer Raffeeq (Newcastle, United Kingdom), Nawaid Ahmad, Emma Crawford, Devapriya Dev, Annabel Makan, Koottalai Srinivasan, Harmesh Moudgil

PA449 **Diagnostic value of high fever to predict polymerase chain reaction (PCR) status in patients with Novel Coronavirus (COVID-19) pneumonia**
Emel Cireli (Izmir, Turkey), Aydan Mertoğlu, Günseli Balcı, Aylin Bayram, Nil Kuranoğlu, Ali Kadri Çırak, Özlem Ediboğlu, Gülru Erbay Polat

PA450 **Protective effect of BCG revaccination in health care workers against COVID-19: A Myth or Game Changer?**
Sonali Saini (Panchkula (Haryana), India), Dps Sudan, Sachet Dawar, Adil Jokhi

PA451 **Clinical features and outcome of COVID-19 pneumonia in haemodialysis patients**
Francesco Bini (Pavia (PV), Italy), Bruno Dino Bodini, Marco Bongiovanni, Angelo De Lauretis, Alessandro Maria Marra, Alessandra Pistone, Noemi Grassi

PA452 **Late Breaking Abstract - Treatment with ATYR1923 reduces biomarkers in COVID-19 pneumonia**
Ryan Adams (San Diego, United States of America), Gennyne Walker, Lauren Guy, Lauren Sitts, Nelson Kinnersley, Lisa Carey, Leslie Nangle, Sanjay Shukla

PA453 **Late Breaking Abstract - Acute multi-organ symptoms predict long COVID**
Sabina Sahanic (Innsbruck, Austria), Piotr Tymoszuk, Dietmar Ausserhofer, Verena Rass, Alex Pizzini, Götz Nordmeyer, Katharina Hüfner, Katharina Kurz, Paulina Maria Weber, Thomas Sonnweber, Anna Boehm, Magdalena Aichner, Katharina Cima, Barbara Böckle, Can Gollmann-Tepeköylü, Johannes Holfeld, Stefan Kiechl, Andreas Huber, Christian Wiedermann, Barbara Sperner-Unterweger, Rosa Bellmann-Weiler, Herbert Bachler, Giuliano Piccoliori, Raimund Helbok, Günter Weiss, Judith Löffler-Ragg

PA454 **Treatment With Baricitinib for Patients With COVID-19 Infections: A Case-Series Study**
Claudia Ravaglia (Forlì, Italy), Sara Piciucchi, Stefano Oldani, Lara Bertolovic, Serena Bensai, Cristiano Colinelli, Siro Simoncelli, Corrado Ghirotti, Silvia Puglisi, Luca Donati, Gianfranco Ravaglia, Francesco Landi, Marina Terzitta, Venerino Poletti

PA455 **Effectiveness of corticosteroids on HRCT features of COVID 19 pneumonia**
Cecilia Calabrese (Napoli (NA), Italy), Cecilia Calabrese, Anna Annunziata, Mariano Mollica, Pasquale Imitazione, Maurizia Lanza, Giorgio Polistina, Martina Flora, Salvatore Guarino, Cristiana Palumbo, Pia Clara Pafundi, Giuseppe Fiorentino

PA456 **Evaluating the accuracy of pulse oximetry: Finger probe versus earlobe probe in patients with confirmed or suspected COVID-19 within the community setting.**
Emma Rickards (St Helens (Merseyside), United Kingdom), Steven Miller, Onnor Hampson, Dennis Wat

PA457 **ENO breathe: An arts and health alliance to help COVID-19 recovery.**
Harriet Owles (London, United Kingdom), Jenny Mollica, Tanja Pagnuco, Suzi Zumpe, Lucy Anderson, Thomas Hardy, Georgina Russell, Adam Lound, Michelle Maguire, Vijay Padmanaban, Harry Brunjes, Nicholas Hopkinson, Sarah Elkin

PA458 **Late Breaking Abstract - Biomarkers for iron metabolism among patients hospitalized with community-acquired pneumonia caused by SARS-CoV-2, bacteria, and influenza**
Maria Hein Hegelund (Hillerød, Denmark), Andreas Glenthøj, Camilla Koch Ryrsø, Christian Ritz, Arnold Matovu Dungu, Adin Sejdic, Karoline Cecilie Knudsen List, Rikke Krogh-Madsen, Birgitte Lindegaard, Jørgen Anders Lindholm Kurtzhals, Daniel Faurholt-Jepsen

PA459 **Managing COVID-19 illness: chest radiographs support defining both prognosis and follow up.**
Sadia Ahmed (Birmingham, United Kingdom), Sadia Ahmed, Zaimah Ali, Annabel Makan, Emma Crawford, Devapriya Dev, Koottalai Srinivasan, Nawaid Ahmad, Harmesh Moudgil

Pre-congress content Session 92 13:15 - 14:15

E-poster: News in treatment and diagnosis of idiopathic interstitial pneumonia

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Interstitial lung diseases Airway diseases

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

Chairs : Julia Wälscher (Essen, Germany), Carlo Vancheri (Catania (CT), Italy)

PA460 **Real-life comparison between pirfenidone and nintedanib in patients with idiopathic pulmonary fibrosis**
Paolo Cameli (Siena (SI), Italy), Laura Bergantini, Miriana D'Alessandro, Rosa Metella Refini, Maria Pieroni, Valerio Alonzi, Piersante Sestini, Elena Bargagli

PA461 **Recombinant human pentraxin-2 for idiopathic pulmonary fibrosis: Design of STARSCAPE-OLE, a Phase III open label extension study**
Luca Richeldi (Roma, Italy), Kevin J. Anstrom, Jürgen Behr, Tamera J. Corte, Vincent Cottin, Gisli Jenkins, Nikhil Kamath, Yoshikazu Inoue, Lutaf Islam, Steven D. Nathan, Ganesh Raghu, Jessie Randhawa, Simon L.F. Walsh, Fernando J. Martinez

PA462 **Challenges in setting up Phase III idiopathic pulmonary fibrosis studies during the COVID-19 pandemic: Experience from the STARSCAPE program**
Luca Richeldi (Roma, Italy), Vincent Cottin, Lutaf Islam, Gisli Jenkins, Nikhil Kamath, Yoshikazu Inoue, Nimesh Parmar, Jessie Randhawa, Ganesh Raghu

PA463 **Real-life data on the safety and tolerability of Pirfenidone versus Nintedanib in Idiopathic Pulmonary Fibrosis (IPF) patients: A single-centre retrospective study**
Lorraine Thong (Co. Cork, Ireland), Bernadette Bowen, Micahel Henry

PA464	**Safety and effectiveness of mycophenolate mofetil in interstitial lung diseases** Theodoros Karampitsakos (Athens, Greece), Vasilios Tzilas, Ourania Papaioannou, Evangelia Koukaki, Matthaios Katsaras, Evangelos Bouros, Panagiota Tsiri, Georgios Tsirikos, Eirini Zarkadi, Nikolaos Ntoulias, Vasilina Sotiropoulou, Panagiotis Efthymiou, Serafeim Chrysikos, Elli Malakounidou, Fotios Sampsonas, Christina Kalogeropoulou, Demosthenes Bouros, Argyris Tzouvelekis
PA465	**Long-term tolerability of real-life use of antifibrotic agents (AFA) in Idiopathic Pulmonary Fibrosis (IPF)** Danielle Strens (Grimbergen, Belgium), Benjamin Bondue, Caroline Dahlqvist, Hans Slabbynck, Julien Guiot, Guy Joos, Natacha Gusbin, Gil Wirtz, Antoine Froidure, Wim Wuyts
PA466	**Concomitant corticosteroid with anti-fibrotic therapy for idiopathic pulmonary fibrosis: a prospective multicenter study** Motoyasu Kato (Tokyo, Japan), Atsushi Miyamoto, Shinyu Izumi, Minoru Inomata, Koichiro Kamio, Hiromitsu Sumikawa, Ryoko Egashira, Hiroaki Sugiura, Jun Araya, Masahiro Takeuchi, Kazuhisa Takahashi, Arata Azuma
PA467	**Mortality outcomes in patients with idiopathic pulmonary fibrosis treated with antifibrotics: a real world study** Joshua Barnes (King's Lynn, United Kingdom), Joshua Barnes, Emma Harris, Luis Matos, Katie Harding, Muhunthan Thillai
PA468	**Efficacy and safety of combined use of pirfenidone and nintedanib in patients with idiopathic pulmonary fibrosis** Jin-Young Huh (, Republic of Korea), Jae Ha Lee, Jin Woo Song
PA469	**Phase 1 demonstrates LYT-100 (deupirfenidone) is dose-proportional and well-tolerated when given twice-daily over multiple ascending doses (MAD) and shows a minor food effect (FE)** Michael Chen (Boston, United States of America), Michael Chen, Christopher Korth, Mark Harnett, Jason Lickliter, Eric Elenko
PA470	**Post-hoc analysis of DWN12088: Comparative analysis between fasting period and adverse event incidences in Healthy subjects** Min Young Park (Seoul, Republic of Korea), Junga Heo, Yukyung Kim, Jumi Han
PA471	**Does the questionnaire “human activity profile” assess functional capacity in patients with idiopathic pulmonary fibrosis?** Hugo Pereira (Contagem, Brazil), Eliane Mancuzo, Giane Ribeiro-Samora, Deborah Estrella, Anna Pataro, Fabiane Rita, Faynara Pereira, Verônica Parreira
PA472	**A Pilot Study on using SuperDimension when performing cryobiopsies.** Sissel Kronborg-White (Lystrup, Denmark), Elisabeth Bendstrup, Leonardo Gori, Valentina Luzzi, Line Bille Madsen, Venerino Poletti, Torben Riis Rasmussen, Marco Trigiani, Stefano Vezzosi, Sara Tomassetti
PA473	**Instant diagnosing interstitial lung disease using higher harmonic generation microscopy** Laura Van Huizen (Amsterdam, Netherlands), Kirsten Kalverda, Venerino Poletti, Peter Bonta, Marloes Groot, Jouke Annema
PA474	**A prospective evaluation of lung ultrasonography in patients with fibrotic interstitial lung diseases.** Eirini Vasarmidi (Heraklion (Crete), Greece), Georgios Pitsidianakis, Evangelia E. Vassalou, Michail E. Klontzas, Apostolos H. Karantanas, Nikolaos Tzanakis, Katerina M. Antoniou
PA475	**Unsupervised analysis of electronic nose data identifies patient clusters in fibrosing interstitial lung disease** Iris G. van der Sar (Rotterdam, Netherlands), Catharina C. Moor, Megan L. Luijendijk, Paul Brinkman, Anke-Hilse Maitland-Van Der Zee, Joachim G. J. V. Aerts, Marlies S. Wijsenbeek
PA476	**Diagnostic yield of transbronchial lung cryobiopsy for diffuse parenchymal lung diseases diagnosis: 1.7 mm and 1.9 mm probe** Fabio Sultani (Sassari (SS), Italy), Claudia Ravaglia, Silvia Puglisi, Sara Piciucchi, Alessandra Dubini, Luca Donati, Venerino Poletti
PA477	**Healthy survivor bias in patients with idiopathic pulmonary fibrosis in clinical registries.** Martina Vasakova (Praha 4, Czech Republic), Martina Sterclova, Nesrin Moğulkoç, Katerzyna Lewandowska, Veronika Müller, Marta Hajkova, Jasna Tekavec-Trkanjec, Michael Studnicka, Dragana Jovanovic, Natalia Stoeva, Klaus- Uwe Kirchgässler, Simona Littnerova, Ondrej Majek, Jakub Gregor
PA478	**Effect of low dose pirfenidone on survival and lung function decline in patients with idiopathic pulmonary fibrosis (IPF): results from a real life study** Eung Gu Lee (Seoul, Republic of Korea), Tae-Hee Lee, Yujin Hong, Jiwon Ryoo, Jung Won Heo, Hye Seon Kang, Soon Seog Kwon, Yong Hyun Kim

Pre-congress content Session 93 13:15 - 14:15

E-poster: Challenges of COVID-19 management at short and long-term

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Respiratory critical care Airway diseases

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

Tag(s) : COVID

Chairs : Claudia Valenzuela (Madrid, Spain), Letizia Traversi (Cittiglio, Italy)

PA479	**Late Breaking Abstract - The revival of lactate dehydrogenase (LDH) in predicting the severity of lung involvement and pneumomediastinum in hospitalized Covid-19** marc raad (Beyrouth, Lebanon), Hind Eid, Rasha Ibrahim, Antoine Kik, Richard Haouchan, Nabil Nassim, Karim Hoyek, Georges Khayat, Fadi Haddad, Ghassan Sleilaty, Moussa Riachy
PA480	**Late Breaking Abstract - Prone-Positioning in Awake, Non-Intubated Patients with COVID-19 Hypoxemic Failure: A Single-Center Trial** Dzufar Abdul Halim (Dublin 9, Ireland), Khalid Elkholy, Aaron Duncan, Imran Sulaiman
PA481	**Late Breaking Abstract - Resolution of radiological changes on follow up chest x-ray at 6 to 12 weeks post Covid pneumonitis in a UK district general hospital** Asad Anwar (Guildford, United Kingdom), Euan Tubman, William Mclean, Mark Ingram, Jessica Scott-Taggart, Clare Alexander
PA482	**Late Breaking Abstract - Recovering after COVID-19: 10-month follow-up data from a multidisciplinary outpatient clinic** Esther van Voorthuizen (Groesbeek, Netherlands), Jeannette Peters, Jan Vercoulen, Michel Van Den Heuvel, Hanneke Van Helvoort, Jeroen Van Hees, Bram Van Den Borst
PA483	**Late Breaking Abstract - Fatigue, psychological and cognitive outcomes up to 12 months after hospitalization for COVID-19** L. Martine Bek (Maassluis, Netherlands), J. Berentschot, S. Huijts , H.J.G. Van Den Berg-Emons, M.H. Heijenbrok-Kal, G.M. Ribbers, J.G.J.V. Aerts, M. Hellemons
PA484	**Late Breaking Abstract - Physical recovery and persistent fatigue up to 12 months after hospitalization for COVID -19** Julia Berentschot (Rotterdam, Netherlands), L. M. Bek, S. Huijts, H.G. Van Den Berg- Emons, M.H. Heijenbrok-Kal, G.M. Ribbers, J.G.J.V. Aerts, M. Hellemons
PA485	**Late Breaking Abstract - Tocilizumab administration for the treatment of hospitalised patients with COVID-19: A systematic review and meta-analysis** Chris Kyriakopoulos (Ioannina, Greece), Georgios Ntritsos, Athena Gogali, Charalampos Milionis, Evangelos Evangelou, Konstantinos Kostikas
PA486	**Late Breaking Abstract - Management of COVID-19 pneumonia in an enhanced respiratory step down unit: a novel approach.** Vishal Amrish Agrawal (Liverpool, United Kingdom), Amogh Ravi, Andrew Prior, Jaclyn Proctor, Amir Hussain Baluwala
PA487	**Late Breaking Abstract - Early follow-up of hospitalised and non-hospitalised patients with Covid-19 in a Swedish setting** Judith Bruchfeld (Solna, Sweden), Mikael Björnson, Daniel Loewenstein, Malin Nygren Bonnier, Magnus Sköld, Michael Runold
PA488	**Late Breaking Abstract - Clinical, functional and radiological outcomes up to 12 months following COVID-19.** Yannick Vande Weygaerde (Gent, Belgium), Eveline Claeys, Bihiyga Salhi, Lies Glorie, Cedric Bosteels, Walter De Wever, Nicolas De Vos, Laurent Godinas, Eric Derom, Greet Hermans, Pieter Depuydt, Wim Janssens, Eva Van Braeckel, Natalie Lorent
PA489	**RCT Abstract - Ad26.COV2.S immunogenicity in a Phase 2 trial at different booster dose levels and schedule intervals in adults** Vicky Cárdenas (Spring House, United States of America), Mathieu Le Gars, Jerald Sadoff, Javier Ruiz Guiñazú, Nathalie Vaissière, Carla Truyers, Gert Scheper, Frank Struyf, Jenny Hendriks, Hanneke Schuitemaker, Macaya Douoguih
PA490	**RCT Abstract - Ad26.COV2.S induces SARS-CoV-2 spike protein-specific cellular immunity and humoral immune responses that cover variants of concern** Mathieu Le Gars (Leiden, Netherlands), Jerald Sadoff, Georgi Shukarev, Dirk Heerwegh, Carla Truyers, Gert Scheper, Jenny Hendriks, M. Juliana Mcelrath, Stephen De Rosa, Kristen Cohen, Macaya Douoguih, Frank Struyf, Hanneke Schuitemaker

Pre-congress content Session 94 13:15 - 14:15

E-poster: Pulmonary embolism in non-COVID-19 and COVID-19 patients

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Pulmonary vascular diseases Respiratory critical care

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

Tag(s) : COVID

Chairs : Lucilla Piccari (Barcelona, Spain), Luis Jose JARA PALOMARES (Sevilla, Spain)

PA491	**An audit of adherence to Two-Level Well's Score in patients hospitalized with Sars-Co-V-2 with suspected Pulmonary Emboli in a University Hospital.** Niamh Boyle (Celbridge, Ireland), Niall Nidonnaghain, Eoin Hunt
PA492	**Comparison of 3 prediction scores for diagnosis of Pulmonary Embolism** Shona Christopher (Vellore, India), Richa Gupta, Barney Isaac, Devasahayam J Christopher
PA493	**Compliance with BTS and NICE guidelines in assessment of possible pulmonary embolism** Akhtar Ali Akhtar (Barnsley (South Yorkshire), United Kingdom), M Usman, Hareem Azam
PA494	**Pulmonary emboli and COVID-19: an increased risk for all?** Kate Mclaren (Edinburgh, United Kingdom), James Tiernan, Marc Pass, Anna Lithgow, Ananda Mirchandani, Vicky Tilliridou, Julia Anderson, Andrew Page, John Murchison, Rebecca Dickinson
PA495	**VTE in COVID-19 inpatients not receiving higher level care** Michael Carling (Newcastle, United Kingdom), Avinash Aujayeb
PA496	**Elevated D-dimer and low ferritin may help predict pulmonary emboli in mild-moderate COVID-19** Sharenja Ratnakumar (London, United Kingdom), Poppy Denniston, Michael Elliott, Darshana Nair , Alex West, Szeman Mak
PA497	**Pulmonary embolism and COVID-19: a "special phenotype"?** Javier Poyo Molina (Mutilva, Spain), José Luis Lobo Beristain, Javier Poyo Molina, Sara Beltrán De Otálora García, Sophe García Fuika, Bárbara Galaz Fernández, Begoña Lahidalga Múgica, María Nieves Hurtado De Mendoza Rubio, Miguel Ángel Sánchez De Toro, Paula Bordallo Vázquez, Clara Ortega Michel, Julia Amaranta García Fuertes
PA498	**Features of patients newly diagnosed pulmonary embolism during COVID pneumonia** Aysun Şengül (Kocaeli, Turkey), Yusuf Aydemir, Derya Özaydın, Pınar Akın Kabalak, Yasemin Söyler, Hüsnü Baykal, Muzaffer Onur Turan, Ersin Alkılınç, Fulsen Bozkuş, Pınar Yıldız Gülhan, Celal Satıcı, Sertaç Arslan, Mustafa Asım Demirkol, Nevin Fazlıoğlu, Aylin Çapraz, Pınar Mutlu
PA499	**Pulmonary embolism in COVID-19 pneumonia patients: analysis from a dedicated outpatient setting post-hospitalization** Ana Catarina da Silva Alfaiate (Lisboa, Portugal), David Noivo, Vera Clérigo, Mafalda Silva, Paula Duarte
PA500	**Prevalence and characteristics of venous thromboembolism in severe exacerbation of COPD in a tertiary care hospital in India** Soibam Pahel Meitei (Rishikesh (Uttarakhand), India), Sudheer Tale, Arjun Negi, Ruchi Dua, Rohit Walia, Sudhir Saxena
PA501	**Hemorrhagic complications in patients with COVID-19. Are they unusual?** Irantzu Elorza Sagasta (Vitoria, Spain), Jose Luis Lobo Beristain , Angel Pereda Vicandi , Jose Joaquin Portu Zapirain, Marianela Hernandez Lopez , Jorge Redrado Ruiz, Paola Carolina Oliva, Igor Murga Arizabaleta, Miguel Angel Sanchez De Toro , Javier Poyo Molina, Clara Ortega Michel, Julia Amaranta Garcia Fuertes
PA502	**Covid-19 and pulmonary embolism : A heterogeneous association** Khalil Bahri (Tunis, Tunisia), Samira Mhamdi, Selsabil Daboussi, Asma Riahi, Imene Yousfi, Islem Mejri, Chiraz Aichaouia, Ziad Moatamri, Mohsen Khadhraoui
PA503	**Predictors and prognostic factors in a large Pulmonary embolism series** Shona Christopher (Vellore, India), Richa Gupta, Barney Isaac, Devasahayam J Christopher
PA504	**Biomarkers model for prediction of hospitalisation duration and pulmonary embolism outcome** Chris Kyriakopoulos (Ioannina, Greece), Konstantinos Bartziokas, Athena Gogali, Konstantinos Tatsis, Christos Chronis, Dimitrios Potonos, Georgia Gkrepi, Konstantinos Kostikas
PA505	**Should cancer be removed from sPESI score?** Mustafa Bugra Coskuner (Trabzon, Turkey), Yılmaz Bülbül, Funda Öztuna, Tevfik Ozlu

PA506 **10 year retrospective audit from Ambulatory Pulmonary embolism pathway in a tertiary hospital**
Rajini Sudhir (Leicester (Leicestershire), United Kingdom), Elaine Bailie, Nisha Parmar

PA507 **Follow-up of acute pulmonary embolism (PE): need for dedicated PE clinics and multidisciplinary team (MDT) meetings?**
Viktoria Oakden (Stoke-on-Trent, United Kingdom), Richard Cooper, Shi Lim, Mohit Inani, Rida Jameel, Tayyab Waseem, Mohamed Zahran, Zofirah Isiaka, Muhammad Ganaie

PA508 **Histology of lung cancer and pulmonary embolism. Are they related?**
Alvaro Martinez Mesa (Malaga, Spain), Eva Cabrera Cesar, Esther Sanchez Alvarez, Lorena Piñel Jimenez, Ana Maria Aguilar Alvarez, Nuria Reina Marfil

PA509 **Pulmonary embolism in patients with seasonal influenza: a single centre retrospective review.**
Shiva Bikmalla (Stoke-on-Trent (Staffordshire), United Kingdom), Sowmya Ekhelikar, Aaditya Kodamanchile, Asha Muthusami, Bibish Baburaj

PA510 **Comparison of acute phase reactant pentraksin-3 and inflammatory parameters in acute and stable pulmonary embolism**
Asiye Büsra Çimen (istanul, Turkey), Ayşe Füsun Kalpaklıoğlu

Pre-congress content Session 95 13:15 - 14:15

E-poster: COVID - 19: lessons learned

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Interstitial lung diseases

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

Tag(s) : COVID

Chairs : Brijesh Patel (London, United Kingdom), Chair to be confirmed

PA511 **Quality and methodology of clinical practice guidelines on antiviral pharmacotherapy for COVID-19 during the early phase of the pandemic**
Filip Mejza (Kraków, Poland), Wiktoria Lesniak, Roman Jaeschke

PA512 **Usefulness of the ILD-GAP index in predicting COVID-19 pneumonia prognosis**
Sahar Chakroun (Sfax, Tunisia), Salma Mokaddem, Asma Chaker, Khouloud Kchaou, Saloua Jameleddine

PA513 **IL-21: A Potential Biomarker For Diagnosis and Predicting Prognosis in COVID-19 Patients**
Nilüfer Aylin Acet Öztürk (Bursa, Turkey), Nilüfer Aylin Acet Öztürk, Ahmet Ursavaş, Aslı Görek Dilektaşlı, Ezgi Demirdöğen, Funda Coşkun, Dane Ediger, Esra Uzaslan, Diğdem Yöyen-Ermiş, Mert Karaca, Orkun Terzi, Merve Bayram, Dilara Ömer, Büşra Yiğitliler, Ahmet Yurttaş, Shahriyar Maharramov, Gamze Çelik, Barbaros Oral, Mehmet Karadağ

PA514 **The best predictor of COVID-19 pneumonia progression during lung ultrasound (LUS)**
Kseniia Bielosludtseva (Dniepropetrovsk, Ukraine), Karina Fugol, Mariia Krykhtina, Oksana Popova

PA515 **Pneumonia severity assessment scores in COVID19 pneumonia; clinical validation in a pragmatic healthcare setting**
Elli Keramida (Athens, Greece), Eleni Bellou, Irma Bracka, Christina Gkriniouk, Spyridon Mazarakis, Theodoros Daskalos, Andreas Paraskevas, Ioannis Karampinis, Panagiotis Demertzis, Georgia Hardavella

PA516 **Lymphocyte-to-Monocyte ratio (LMR) and Platelet-to-lymphocyte (PLR) ratio levels as a predictors of lung failure in severe Covid-19 pneumonia patients (pts)**
Mariia Krykhtina (Dniepropetrovsk, Ukraine), Daria Koval, Tetyana Pertseva, Lyudmila Konopkina, Kseniia Bielosludtseva

PA517 **Fibrinogen like the predictor of COVID-19 pneumonia progression**
Bohdana Basina (Dnipropetrovsk, Ukraine), Kseniia Bielosludtseva, Tetyana Pertseva, Tetiana Kirieieva, Mariia Krykhtina, Nataliia Kravhenko

PA518 **The use of double trunk mask to optimize oxygenation in hypoxemic patients with COVID-19: an observational study**
Amandine Zellag (Saint-Etienne, France), Isabelle Court Fortune, Chrystelle Monneret, Marios Froudarakis, Elisabeth Botelho-Nevers , Pierre Labeix

PA519 **Early Fever Associated with Clinical Outcomes in Patients with Coronavirus Disease 2019**
Fengming Ding (Shanghai, China), Yun Feng, Lei Han, Yan Zhou, Yong Ji, Huijuan Hao, Yishu Xue, Dongning Yin, Zengchao Xu, Shan Luo, Pengyu Zhang, Min Zhang

PA520 **Anosmia and ageusia good prognosis factors of COVID-19?**
arbia chaieb (Tunis, Tunisia), Sarra Maazaoui, Sonia Habibech, Tasnim Zneigui, Mariem Friha, Slim Ghdira, Neder Mefteh, Hajer Racil, Nawel Chaouch

PA521 **Impact of the COVID-19 pandemic on Influenza virus transmission**
Sara Braga (Braga, Portugal), Marcos Oliveira, José Manuel Silva, Luís Ferreira

PA522 **Willingness for vaccination against COVID19 in health care workers in Greece**
Garifallia eirini Perlepe (Larissa, Greece), Dimitrios Papagiannis, George Rachiotis, Foteini Malli, Ioanna V Papathanasiou, Evangelos C Fradelos, Zoe Daniil, Konstantinos I Gourgoulianis

PA523 **The use of pharmacological therapies in hospitalized COVID-19 patients– A literature review**
Eileen Han (Collegeville, United States of America), Ember Lu, Anne Heyes, Josephine Mauskopf, Helen Birch, Marguerite Bracher

PA524 **Correlation between nasal inflammation and COVID-19 related pneumonia evaluated by nasal cytology.**
Carla Santomasi (Bari, Italy), Andrea Portacci, Federica Barratta, Paola Pierucci, Silvano Dragonieri, Matteo Gelardi, Onofrio Resta, Giovanna Elisiana Carpagnano

PA525 **Could KL-6 levels in COVID-19 help to predict lung disease ?**
Anne-Noëlle Frix (Liege, Belgium), Lauranne Schoneveld, Aurélie Ladang, Monique Henket, Bernard Duysinx, Frédérique Vaillant, Benoit Misset, Michel Moutschen, Renaud Louis, Etienne Cavalier, Julien Guiot

PA526 **Factors associated with poor glycemic control in patients hospitalised for COVID-19**
Stefan-Marian Frent (Timisoara, Romania), Emanuel Bobu, Roxana Pleava, Costela Serban, Iosif Marincu, Virgil Musta, Stefan Mihaicuta, Ovidiu Fira-Mladinescu, Diana Manolescu, Cristian Oancea

PA527 **COVID-19 Re-infection of Healthcare Workers, A Single Centre Study**
Maside Arı (Ankara, Turkey), Kerem Ensarioğlu, Serap Duru, Bahar Kurt, Irfan Şencan, Esengül Şendağ

PA528 **The association of the oxygen saturation level at the time of hospitalization with comorbidities and subsequent changes in blood biomarkers in patients with COVID-19 in Russia: observational study results.**
Sophia V. Nesterovich (Tomsk, Russian Federation), Daria Vinokurova, Sergey Fedosenko, Evgeny Kulikov, Nikolay Yarovoy, Vyacheslav Korepanov, Margarita Boldyshevskaya, Sergey Khalyavin, Ekaterina Selikhova

PA529 **Differences and characteristics of COVID-19 and atypical pneumonia**
Muzaffer Onur Turan (Izmir, Turkey), Sebnem Karasu, Atilla Hikmet Cilengir, Bunyamin Sertogullarından

Pre-congress content Session 96 13:15 - 14:15

E-poster: Medical education in respiratory medicine

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases Thoracic oncology Respiratory critical care

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

Tag(s) : COVID

Chairs : Giovanni Sotgiu (Porto Torres (SS), Italy), Pierantonio Laveneziana (Paris, France)

PA530 **The value of a pleural fellowship post**
Lewis Standing (Whitley Bay, United Kingdom), Karl Jackson, Ben Teng, Avinash Aujayeb

PA531 **Comparison of physicians' and medical students' knowledge of bronchial asthma according to the final results of the ASSA-II study**
Roman Bontsevich (Belgorod, Russian Federation), Galina Batisheva, Galina Prozorova, Irina Krotkova, Galina Ketova, Olena Myronenko, Elena Luchinina, Irina Galkina, Olga Kompaniets, Maxim Maximov, Guzel Bikkinina

PA532 **Interest regarding CDC-specified risk factors of severe COVID-19: a Google Trends analysis**
Miguel Trigueiro Rocha Barbosa (Viana do Castelo, Portugal), Cláudia Sabina, Rita Aguiar, Mário Morais-Almeida

PA533 **Is workplace-based assessment (WBA) worthwhile?**
Robert Primhak (Sheffield (South Yorkshire), United Kingdom)

PA534 **Comparison of physicians' and medical students' knowledge in the etiology, diagnosis and pathogenesis of COPD according to the final results of the ASCO-II project**
Roman Bontsevich (Belgorod, Russian Federation), Ann Adonina, Anastasiya Shershnieva, Galina Prozorova, Olga Cherenkova, Elizaveta Ebzeeva, Valeriya Barysheva, Olga Kompaniets, Olena Myronenko, Irina Martynenko, Tatiana Shagieva

PA535 **Assessment of medical undergraduates' relation to pneumococcal conjugate vaccine use**
Roman Bontsevich (Belgorod, Russian Federation), Kristina Shchurovskaya, Galina Batisheva, Natalya Goncharova, Ann Adonina, Anna Gavrilova, Tatyana Pokrovskaia

PA536 **Comparison of physicians' and medical students' knowledge in the treatment and prevention of COPD according to the final results of the ASCO-II study**
Roman Bontsevich (Belgorod, Russian Federation), Anna Adonina, Anastasiya Shershnieva, Yana Vovk, Galina Prozorova, Galina Batisheva, Andrey Kirichenko, Galina Ketova, Olga Kompaniets, Elena Luchinina, Vera Nevzorova

PA537 **Training in Paediatric Respiratory Medicine in Europe: the applicability and acceptability of Paediatric HERMES project**
Maria Tsouprou (Athens , Greece), Kostas Douros, Kostas N. Priftis

PA538 **Does simulation based on-call training improve self-evaluated confidence for physiotherapy staff undertaking on-call duties.**
Bettina Lotay (Reading, United Kingdom), Bettina Lotay, Louise Koslicki , Alex Hodson, Vaughan Root

PA539 **Video consultation evaluation during COVID-19 pandemic in Juárez, México**
Ruben Efraín Garrido Cardona (Ciudad Juarez (Chihuahua), Mexico), Elisa Barrera Ramírez

PA540 **Knowledge, attitudes, and practices towards coronavirus disease (COVID-19) among internal medicine residents in Southern Luzon, Philippines**
Danica Ann Leycano (Lipa City, Philippines), Justine Vera Dennys Caringal, Rachel Ann Napa, Cristito Alea, Dioscoro Bayani, Cristina Comia

PA541 **Improving the educational value of the multi-disciplinary team (MDT) meeting**
Nicola Smallcombe (London, United Kingdom), Elizabeth Nally, Myria Galazi, Helen Mills, William Ricketts, Elizabeth Nally

PA542 **Planning and adherence of SUS Brazil booklet as a telerehabilitation instrument after discharge in patients with COVID-19 pneumonia.**
Ligia Roceto Ratti (Valinhos, Brazil), Ana Lúcia Cavallaro B. Lima, Lais Bacchin De Oliveira, Bruna Scharlack Vian, Evelyn Regina Couto, Luciana Castilho De Figueirêdo, Aline Maria Heidemann, Mônica Corso Pereira

PA543 **Impact of COVID-19 on Tunisian pulmonology trainees**
Hana Blibech (Ariana, Tunisia), Donia Belkhir, Houda Snene, Aymen Jebali, Mariem Maalej, Nadia Mehiri, Nozha Ben Salah, Bechir Louzir

PA544 **Changing motivations for conference attendance across professional careers: a case study**
Sai Ram (Bern, Switzerland), Carine Pannetier , Nathalie Tabin, Richard Costello, Daiana Stolz, Kevin Eva, Sören Huwendiek

Pre-congress content Session 97 13:15 - 14:15

E-poster: Airway pharmacology: translational and basic science

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases

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

Chairs : Simon Lea (Manchester (Greater Manchester), United Kingdom), Chair to be confirmed

PA545 **Bronchial thermoplasty upregulates the expression of the glucocorticoid receptor in tissue sections**
Liang Zhou (Basel, Switzerland), Liang Zhou, Lei Fang, Eleni Papakonstantinou, Michael Tamm, Michael Roth, Daiana Stolz

PA546 **Indacaterol acetate, glycopyrronium bromide, and mometasone furoate: effect on human airway inflammation**
Paola Rogliani (Roma (RM), Italy), Beatrice Ludovica Ritondo, Francesco Facciolo, Ivan Nikolaev, Luigino Calzetta

PA547	**Effect of cigarette smoke extract and Th17 cytokine on production of inflammatory cytokines and chemokines in human airway smooth muscle cells** Abdulrhman Alghamdi (Nottingham, United Kingdom), Abdullah Alqarni, Mushabbab Alahmari, Rochelle Edwards-Pritchard, Amanda Tatler, Linhua Pang
PA548	**Calcaratarin D attenuates house dust mite-induced allergic asthma** Wupeng Liao (Singapore, Singapore), Yu Ci Hazel Foo, Wai Shiu Fred Wong
PA549	**The pan janus kinase (JAK) inhibitor KN-002 suppresses inflammatory mediator release from severe asthma bronchial epithelial cells.** Ian M. Adcock (London, United Kingdom), Mark Main, Alan Rothaul, Coen Wiegman, Frazer Morgan
PA550	**Rosuvastatin reduced cytokine production and lung inflammation in asthmatic, hyperlipidemic and asthmatic-hyperlipidemic rat models** Mohammad Hossein Boskabady (Mashhad, Islamic Republic of Iran), Saeideh Saadat
PA551	**Indacaterol acetate, glycopyrronium bromide, and mometasone furoate: effect on neuronal inflammation and acetylcholine release** Paola Rogliani (Roma (RM), Italy), Beatrice Ludovica Ritondo, Francesco Facciolo, Maria Gabriella Matera, Ivan Nikolaev, Luigino Calzetta
PA552	**Corticosteroid effects on airway neuroplasticity in experimental models of asthma** Siti Farah Rahmawati (Groningen, Netherlands), Pien Goldsteen, Sophie Bos, Huib Kerstjens, Amalia Dolga, Loes Kistemaker, Reinoud Gosens
PA553	**Crucial role of fatty acid oxidation in asthmatic bronchial smooth muscle remodeling** Pauline Esteves (PESSAC, France), Landry Blanc, Alexis Celle, Isabelle Dupin, Elise Maurat, Nivea Amoedo, Guillaume Cardouat, Olga Ousova, Lara Gales, Florian Bellvert, Hugues Begueret, Matthieu Thumerel, Pierre-Olivier Girodet, Rodrigue Rossignol, Patrick Berger, Thomas Trian
PA554	**Effect of intravenous alpha-1-antitrypsin augmentation therapy on proteinase-3-generated AaVal541 in deficient patients** Iris G. M. Schouten (Leiden (ZH), Netherlands), Abraham C. Van Der Linden, Pieter S. Hiemstra, Richard A. Mumford, Jan Stolk
PA555	**Adding glycopyrronium to beclomethasone/formoterol combination: synergistic effect on human small airways of COPD donors** Luigino Calzetta (Roma (RM), Italy), Josuel Ora, Andrea Girolami, Immacolata Rossi, Ilaria De Guido, Francesco Facciolo, Mario Cazzola, Paola Rogliani
PA556	**C-reactive protein and the type IV collagen measurementin severe COPD: Value of roflumilast** Iryna Savelikhina (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Kseniia Ostrovska, Oleksandr Varunkiv, Galyna Korzh, Mariana Kulynych-Miskiv, Kostiantyn Shvets, Nadiia Korzh
PA557	**Acupuncture regulates macrophage polarization in COPD mice model by activating dopamine D2 receptor.** Tao Fan (Chengdu (Sichuan), China), Xue-Mei Liu, Yu Zhang, Yan Lv, Bing Mao
PA558	**Effect of roflumilast on cytokines levels in patients with Chronic Obstructive Pulmonary Disease** Iryna Savelikhina (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Kseniia Ostrovska, Oleksandr Varunkiv, Mariana Kulynych-Miskiv, Galyna Korzh, Kostiantyn Shvets, Nadiia Korzh
PA559	**Late Breaking Abstract - Life cycle assessment (LCA) and cradle-to-grave carbon footprint of a multidose reservoirdry powder inhaler product family** Ville Vartiainen (Espoo, Finland), Aino Takala, Jussi Haikarainen, Grace Parker, Tari Haahtela
PA560	**Late Breaking Abstract - Pneumonia risk in COPD patients initiating extrafine Fixed Dose Combination (FDC) with beclometasone dipropionate (ef-FDC-BDP) versus long-acting bronchodilators (LABD)** David Price (Singapore, Singapore), William Henley, Victoria Carter, Derek Skinner, Rebecca Vella, Alberto Papi, Leonardo M Fabbri, Huib Am Kerstjens, Nicolas Roche, Dave Singh, Claus F Vogelmeier, Elif Şen, Jose Eduardo Delfini Cançado, Elena Nudo, Sara Barile, George Georges
PA561	**Late Breaking Abstract - Real world patient-reported outcomes in asthma across six European countries: the NEWTON study** Fulvio Braido (Genova (GE), Italy), Kai-Michael Beeh, Sara Barile, Carolina Cisneros, Luca Cavalieri, Anh Tuan Dinh-Xuan, Eleonora Ingrassia, Alessio Piraino, Lilla Tamási, Yasemin Unal, Ruxandra Ulmeanu
PA562	**Late Breaking Abstract - Efficacy and safety of eliapixant in refractory chronic cough: Results of the PAGANINI 12 -week, randomized, placebo-controlled Phase 2b study** Lorcan McGarvey (Belfast, United Kingdom), Alyn H Morice, Jaclyn Smith, Mandel Sher, Michael Vaezi, Laurent Guilleminault, Akio Niimi, Katrin Roth, Riitta Saarinen, Philippe Vieira Pires, Melanie Wosnitza, Peter Dicpinigaitis

PA563 **Late Breaking Abstract - Second Souffle: preliminary results from a national survey on the care pathways and quality of life of patients with T2 severe asthma**
Alain Didier (Toulouse, France), Chantal Raherison-Semjen , Edouard VERDIER, Claire Camus, Christophe Pison, Arnaud Bourdin, Philippe Bonniaud, François-Xavier Blanc, Gilles Devouassoux, Stéphanie Fry, Cécilia Nocent-Ejnaini , Joëlle Courdeau-Labourie, Carmen Iamanadi, Alain Proust, Jean-Marc Dot, Etienne Auvray, Fabien Rolland, Stéphanie Martinez, Florence Hennegrave, Laurent Portel, Pauline Roux, Jean Miltgen, Maud Russier, Laurent Guilleminault, Camille Taillé

PA564 **Late Breaking Abstract - Real-World Characteristics of Patients Receiving Dupilumab in Routine Clinical Practice in a Multinational, Non-Interventional Study (ProVENT)**
Marek Lommatzsch (Rostock, Germany), Stephanie Korn, Olaf Schmidt, Hartmut Timmermann, Henrik Watz, Amr Radwan, Lucia De Prado-Gomez, Anne Atenhan, Sebastian Barbus, Mayank Thakur

Pre-congress content Session 98 13:15 - 14:15

E-poster: Posters in paediatric bronchology

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

Method(s) : Respiratory intensive care | Endoscopy and interventional pulmonology | Imaging | General respiratory patient care | Pulmonary function testing | Public health

Chairs : Nadine Freitag (Duesseldorf, Germany), Dirk Schramm (Düsseldorf, Germany)

PA565 **Life- threatening cause of stridor and respiratory distress in a young infant.**
Anna Wiemers (Düsseldorf, Germany), Anna Hoffmann

PA566 **Clinical spectrum of children with interstitial pneumonia with autoimmune features:a new definition in childhood interstitial lung diseases**
Dilber Ademhan Tural (Ankara, Turkey), Nagehan Emiralioglu, Beste Ozsezen, Birce Sunman, Halime Nayir Buyuksahin, Ismail Guzelkas, Berna Oguz, Yelda Bilginer, Diclehan Orhan, Ebru Yalcin, Deniz Dogru, Ugur Ozcelik, Seza Ozen, Nural Kiper

PA567 **Diagnostic significance of TGF-ß1 levels in children with recurrent and chronic bronchitis**
Svetlana Ilchenko (Dnepr, Ukraine), Anastasiia Fialkovska

PA568 **Sedation for bronchoscopy in children: a prospective randomized double-blinded trial**
Florian Stehling (Essen, Germany), Eva Tschiedel, Maximilian Eckerland, Ursula Felderhoff-Mueser, Christian Dohna-Schwake

PA569 **Creation and validation of a questionnaire assessing quality of life of parents of children with interstitial lung disease (chILD)**
Nadia Nathan (Paris, France), Alexia Challan-Belval, Dorian Bannier, Harriet Corvol, Annick Clement, Ingrid Banovic

PA570 **Causes of delayed diagnosis of foreign body aspiration in children**
Diana Rotaru-Cojocari (Chișinău, Republic of Moldova), Victor Rascov, Svetlana Sciuca, Rodica Selevestru

PA571 **Lower airway malacia in children: retrospective study in a tertiary paediatric hospital**
Fazilcan Zirek (Ankara, Turkey), Gizem Özcan, Merve Nur Tekin, Özlem Selvi Can, Nazan Çobanoğlu

PA572 **Endoscopic ultrasound using EUS-b approach in children with suspected mediastinal TB: tertiary care center experience**
Ilya Sivokozov (Moscow, Russian Federation), Irina Petrakova, Svetlana Sterlikova, Firaya Poluektova, Elena Larionova, Svetlana Shishova

PA573 **Does the type of bacterial colonization in lower airways affect the lung function in patients with Primary Ciliary Dyskinesia (PCD)?**
Vanessa Fein (Bochum, Germany), Anne Schlegtendal, Christoph Maier, Cordula Koerner-Rettberg, Folke Brinkmann

PA574 **Factors affecting recovery time of children with thoracic air leak syndromes**
Ayse Tana Aslan (Istanbul, Turkey), Eylul Pinar Cakir, Pelin Asfuroglu, Tugba Ramasli Gursoy, Tugba Sismanlar Eyuboglu, Merve Yazol, Oznur Boyunaga

PA575 **Children with congenital lung malformation in terms of age of diagnosis**
Tugba Ramasli Gursoy (ANKARA, Turkey), Tugba Sismanlar Eyuboglu, Ayse Tana Aslan, Ramazan Karabulut, Irfan Tastepe

PA576	**Anxiety of children with primary ciliary dyskinesia and their mothers during COVID-19 pandemic** Pelin Asfuroglu (Ankara, Turkey), Tugba Sismanlar Eyuboglu, Ayse Tana Aslan, Tugba Ramasli Gursoy, Azime Sebnem Soysal Acar, Dilek Yapar, Mustafa Necmi Ilhan
PA577	**Respiratory system involvement and follow-up of children with inherited metabolic diseases** Tuğba Şişmanlar Eyuboglu (Ankara, Turkey), Zeynep Ilksen Hocoglu, Tugba Ramasli Gursoy, Ayse Tana Aslan, Leyla Tumer
PA578	**Pulmonary nodules in children** Pelin Asfuroglu (Ankara, Turkey), Tugba Sismanlar Eyuboglu, Ayse Tana Aslan, Tugba Ramasli Gursoy, Merve Yazol, Oznur Boyunaga
PA579	**Non-cystic fibrosis bronchiectasis in children** Tugba Ramasli Gursoy (ANKARA, Turkey), Tugba Sismanlar Eyuboglu, Ayse Tana Aslan
PA580	**Long-term follow-up of children diagnosed with pulmonary hypoplasia** Tugba Ramasli Gursoy (ANKARA, Turkey), Tugba Sismanlar Eyuboglu, Ayse Tana Aslan, Ramazan Karabulut, Irfan Tastepe
PA581	**Genotype-phenotype correlation in a group of patients with primary ciliary dyskinesia in Italy.** Laura Petrarca (Roma (RM), Italy), Giuseppe Cimino, Valentina Guida, Alessandro De Luca, Raffaella Nenna, Ambra Nicolai, Antonella Frassanito, Carlo Cappelli, Patrizia Troiani, Fabio Midulla
PA582	**The value of chest radiograph in the first episode of acute bronchiolitis** Nadia MEBROUK (Rabat, Morocco), Naima El Hafidi, Soukaina Batali, Ghizlane Jaabouti, Fadoua Benbrahim, Soumia Benchekroun, Chafiq Mahraoui
PA583	**The short term influence of chest physiotherapy on lung function parameters in pediatric bronchiectasis** Mieke Boon (Wilsele, Belgium), Django De Beuckeleer, Bjarne Vandervoort, Elke Huenaerts, Marianne Schulte, Francois Vermeulen, Marijke Proesmans, Myriam Vreys

Pre-congress content Session 99 13:15 - 14:15

E-poster: Pathogenesis and pathophysiology of pulmonary hypertension

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Pulmonary vascular diseases Airway diseases

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

Chairs : Nicholas Morrell (Cambridge (Cambridgeshire), United Kingdom), Laurence Dewachter (Bruxelles, Belgium)

PA584	**Role of Connexin 43 increased expression in pulmonary arterial hyperreactivityinduced by the nerve growth factor NGF** guillaume Cardouat (Talence, France), Matthieu Douard , Lukas Roubenne, Clement Bouchet, Zuzana Kmecová, Paul Robillard, Christophe Guignabert, Ly Tu, Frederic Delcambre, Roger Marthan, Bernard Muller, Christelle Guibert, Veronique Freund-Michel
PA585	**Short-term mechanisms activated by NGF to induce pulmonary arterial hyperreactivity** Clement BOUCHET (Pessac, France), Guillaume Cardouat, Matthieu Douart, Paul Robillard, Roger Marthan, Bernard Muller, Christelle Guibert, Veronique Freund-Michel
PA586	**In vitro effects of vasodilatory drugs on BMPR2-silenced pulmonary microvascular endothelial cell function** Rozenn Quarck (Leuven, Belgium), Birger Tielemans, Allard Wagenaar, Catharina Belge, Marion Delcroix
PA587	**BMPR2 mutations and iron metabolism in pulmonary arterial hypertension patients** Vivienne Theobald (Heidelberg, Germany), Ekkehard Grünig, Nicola Benjamin, Benjamin Egenlauf, Henning Gall, Ardeschir Ghofrani, Michael Halank, Satenik Harutyunova, Marius Hoeper, Danny Jonigk, Marc Schneider, Hans-Jürgen Seyfarth, Sarah Richtmann, Panagiota Xanthouli, Martina Muckenthaler, Christina Eichstaedt
PA588	**18-FDG uptake on PET-CT and metabolism in pulmonary arterial hypertension.** Jeisson Osorio Trujillo (Barcelona, Spain), Olga Tura-Ceide, Javier Pavia, Ivan Vollmer, Isabel Blanco, Valerie Smolders, Aida Ninerola, Pilar Paredes, Jesús Ruiz-Cabello, Manel Castellà, Yolanda Torralba, Laura Sebastián, Lucilla Piccari, Víctor Peinado, Daniel Aguilar, Joan Albert Barberà

PA589	**LSC - 2021 - Direct effects of cigarette smoke in pulmonary arterial cells: Implications in arterial remodeling an d vascular tone maintenance** Sevilla-Montero Javier, Jesus Pino (francisco.pino@estudiante.uam.es / Universidad Autonoma of Madrid,Madrid), David Labrousse-Arias (davidlabroussearias@gmail.com / Universidad Autonoma of Madrid,Madrid), Cintia Fernández-Pérez (Cintia.fernandez@uam.es / Universidad Autonoma of Madrid,Madrid), Laura, Fernández-Blanco (Laura.fernandezblanco@estudiante.uam.es / Universidad Autonoma of Madrid,Madrid), Bianca Barreira (biancabarreira@med.ucm.es / Universidad Complutense of Madrid,Madrid), Gema Mondéjar-Parreño (gemondej@ucm.es / Universidad Complutense of Madrid,Madrid), Elvira Alfaro-Arnedo (ealfaro@riojasalud.es / Centro de Investigación Biomédica de La Rioja,Logroño), Icíar P. López (iplgarcia@riojasalud.es / Centro de Investigación Biomédica de La Rioja,Logroño), Sandra Pérez-Rial (SPerezR@fjd.es / Biomedical Research Unit IIS-FJD,Madrid), Germán Peces-Barba (GPeces@fjd.es / Biomedical Research Unit IIS-FJD,Madrid), José G. Pichel (jgpichel@riojasalud.es / Centro de Investigación Biomédica de La Rioja,Logroño), Víctor Ivo Peinado (vpeinado@clinic.cat / Hospital Clínic-Institut d'Investigacions Biomèdiques August Pi i Sunyer,Barcelona), Ángel Cogolludo (acogolludo@med.ucm.es / Universidad Complutense of Madrid,Madrid), María Jose Calzada Garcia (calzadamj@yahoo.com / Universidad Autonoma of Madrid,Madrid)
PA590	**Soluble guanylate cyclase stimulators revert in vitro cigarette smoke effects through JNK pathway normalization** Adelaida Bosacoma (Barcelona, Spain), Daniel Aguilar, Tanja Paul, Isabel Blanco, Olga Tura-Ceide, Joan Albert Barberà, Victor Ivo Peinado
PA591	**Altered gut microbiota in chronic thromboembolic pulmonary hypertension** Takayuki Jujo (Chiba, Japan), Yumiko Ikubo, Koji Hosomi, Akira Naito, Jonguk Park, Hiroki Shoji, Rika Suda, Ayumi Sekine, Ayako Shigeta, Seiichiro Sakao, Nobuhiro Tanabe, Kenji Mizuguchi, Jun Kunisawa, Koichiro Tatsumi
PA592	**Novel hypoxia system to assess endothelial dysfunction in chronic thromboembolic pulmonary hypertension (CTEPH)** Ylenia Roger (Barcelona, Spain), Isaac Almendros, Esther Marhuenda, Ana Ramirez, Victor Ivo Peinado, Isabel Blanco, Manuel Castellà, Joan Albert Barberà, Olga Tura-Ceide
PA593	**Differential expression of plasma microRNAs in chronic thromboembolic pulmonary hypertension and pulmonary embolism related to occult cancer** Júlia Oto (Valencia, Spain), Olga Tura-Ceide , Verónica Sánchez-López , Carme Font, Jeisson Osorio, Cristina Bonjoch, David Hervás, Elena Arellano, Pilar Medina, Isabel Blanco, Víctor Peinado, Joan Albert Barberà, Remedios Otero
PA594	**Pentastatin, matrikine of the type IV collagen a5 drives pulmonary hypertension via endothelial dysfunction** Ayse Ceren Mutgan (Graz, Austria), Katharina Jandl, Leigh Marsh, Julia Hoffmann, Elisabeth Gschwandtner , Walter Klepetko, Akos Heinemann, Horst Olschewski , Andrea Olschewski, Margorzata Wygrecka, Grazyna Kwapiszewska
PA595	**Estrogen and progestin induce the migration of pulmonary artery smooth muscle cells with the contractile phenotype via different mechanisms** Wei-ping Hu (Shanghai, China), Shan-Qun Li, Dong Liu
PA596	**Genetic findings in a family with hereditary spherocytosis, haemolytic anaemia and pulmonary hypertension** Memoona Shaukat (Heidelberg, Germany), Mareike Lankeit, Ding Cao, Nicola Benjamin, Ekkehard Grünig, Christina Eichstaedt
PA597	**Pulmonary vein banding-induced pulmonary venous congestion causes pulmonary hypertension in rats.** Jonas Muenks (Gießen, Germany), Baktybek Kojonazarov , Akylbek Sydykov, Norbert Weissmann, Ralph T Schermuly, Mario Boehm
PA598	**Right ventricular function and lung perfusion in adaptive versus maladaptive experimental pulmonary hypertension** Baktybek Kojonazarov (Gießen, Germany), Werner Seeger, Ralph Schermuly
PA599	**Late Breaking Abstract - Involvement of Orai1 Ca2+ channel in the pathogenesis of pulmonary arterial hypertension. Orai1 as a new potential therapeutic target ?** Bastien Masson (Le Plessis-Robinson, France), Hélène Le Ribeuz, Jessica Sabourin, Emily Woodhouse, Richard Foster, Yann Ruchon, Mary Dutheil, Angèle Boët, Maria-Rosa Ghigna, Olaf Mercier, David Beech, Jean-Pierre Benitah, Marc Bailey, Marc Humbert, David Montani, Véronique Capuano, Fabrice Antigny
PA600	**Late Breaking Abstract - Implication of the KATP Sur2b/Kir6.1 in the physiopathology of pulmonary arterial hypertension** Hélène Le Ribeuz (Paris, France), Mary Dutheil, Veronique Capuano, Olaf Mercier, Marc Humbert, David Montani, Fabrice Antigny
PA601	**Late Breaking Abstract - Evidence of target engagement and pathway modulation: biomarker analysis of the phase 1b inhaled seralutinib study** Robin Osterhout (San Diego, United States of America), Kristin B. Highland, Robert P. Frantz, David Nickle, John Mcconnell, Charles D. Burger, Robert F. Roscigno, Matt Cravets, Ramona Mccaffrey, Lawrence S. Zisman, Jean-Marie Bruey, Luke S. Howard

Pre-congress content Session 100 13:15 - 14:15

E-poster: Pulmonary rehabilitation in the COVID-19 era

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

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

Tag(s) : COVID, Digital health

Chairs : Rachael A. Evans (Leicester (Leicestershire), United Kingdom), Mara Paneroni (Mazzano (BS), Italy)

PA602	**Recovery from COVID-19: a sprint or marathon? 24-week follow-up data of online long COVID-19 peer support groups** Anouk W. Vaes (Horn, Netherlands), Yvonne M.J. Goërtz, Maarten Van Herck, Felipe V.C. Machado, Roy Meys, Jeannet M. Delbressine, Sarah Houben-Wilke, Swetlana Gaffron, Dieter Maier, Chris Burtin, Rein Posthuma, Nicole P.H. Van Loon, Frits M.E. Franssen, Bita Hajian, Sami O. Simons, Job F.M. Van Boven, Frederikus A. Klok, Bartholomeus P.A. Spaetgens, Claire M.H. Pinxt, Limmie Y.L. Liu, Geertjan Wesseling, Yvonne Spies, Herman Vijlbrief, Alex J. Van 'T Hul, Daisy J.A. Janssen, Martijn A. Spruit
PA603	**The assessment of the metabolic dysfunction in patients (pts) after COVID-19 pneumonia** Lyudmyla Konopkina (Dniepropetrovsk, Ukraine), Larisa Botvinikova, Olha Shchudro, Olena Myronenko, Oksana Plekhanova
PA604	**Pulmonary function and psychological burden 3 months after COVID-19** Guido Vagheggini (Volterra (PI), Italy), Francesca Marzetti, Lorenzo Bernardeschi, Mario Miniati, Giulia Boni Brivio, Eugenia Panait, Simone Meini, Elena Cini, Angelo Gemignani
PA605	**Lung function indices in patients undergoing post-COVID assessment- An observational study** Pranav Modi (Mumbai, India), Sandhya Kulkarni, Girija Nair, Rhea Kapur, Soham Chaudhary, Deepak Langade, Abhay Uppe
PA606	**Exercise capacity and health related quality of life in survivors of COVID-19 Pneumonia: A prospective cohort study** Jamaica Ross David (Quezon CIty, Philippines), Ma. Encarnita Blanco-Limpin, Bernice Ong-Dela Cruz
PA607	**Clinical outcomes and quality of life of COVID-19 survivors: a follow-up of 3 months post hospital discharge** Luiza Helena Degani-Costa (São Paulo (SP), Brazil), Beatriz C Todt, Claudia Szlejf, Etienne Duim, Alana O M Linhares, Diogo Kogiso, Gabriela Varela, Bruna A Campos, Cristina M B Fonseca, Leonardo E Polesso, Ingra N S Bordon, Bruno T Cabral, Victor L P Amorim, Felipe M T Piza
PA608	**Evaluation of the effectiveness of an outpatient rehabilitation course for patients previously hospitalised with COVID-19** Lisa Pritchard (London, United Kingdom), Laura Moth, Hannah Cumming, Lynn Mcdonnell, Amy Dewar, Lauren Hogg
PA609	**Post-COVID and the BHRUT one-stop shop MDT approach to managing the longterm sequale of a novel disease process.** Adam Ainley (London, United Kingdom), Pavan Kumar, Sofia Nyberg, Riyah Jiwan
PA610	**Hyperbaric oxygenation (HBO) in the reabilitation of patients undergoing COVID-19** Ganna Mamenko (Sant-Petersburg, Russian Federation), Evgeniy Popov, Evgeniy Kononov, Alexander Sidorenko, Tamara Rubanik
PA611	**The role of spirometry and ?arbon monoxide diffusing capacity (DLCO) in the diagnosis of pulmonary function in patients after COVID-19 pneumonia** Lyudmyla Konopkina (Dniepropetrovsk, Ukraine), Olha Shchudro, Ksenia Bielosludtseva, Tetyana Pertseva, Mariia Krykhtina
PA612	**Risk factors associated with dinapenia in subjects recovered from COVID-19** Andrea Samantha Hernández López (ciudad de Mexico, Mexico), Arturo Orea Tejeda , Dulce González Islas , Susana Galicia Amor, Esperanza Trejo Mellado, Juan Carlos García Hernández, María Fernanda Salgado Fernández, Carlos Miguel Sánchez Moreno
PA613	**Effects of a home-based pulmonary rehabilitation program in patients with chronic obstructive pulmonary disease of GOLD D group.** Rui Vilarinho (Maia, Portugal), Rui Vilarinho, Cátia Esteves, Cátia Caneiras

PA614	**Narratives in the time of Covid-19: short diaries of patients with Chronic Obstructive Pulmonary Disease, their caregivers and professionals** Alessio Piraino (Roma (RM), Italy), Maria Giulia Marini, Eleonora Volpato, Stefano Centanni, Paolo Banfi, Salvatore D'Antonio, Enrico Peterle, Filomena Bugliaro, Ignazio Grattagliano, Luca Cavalieri, Alfio Pennisi, Gianluca Dainesi, Luigi Santoiemma
PA615	**?ersonalized rehabilitation of COVID-19 patients in Russia: initial experience** Ekaterina Soboleva (Yoshkar-Ola, Russian Federation), Rustem Khamitov
PA616	**A digitally enhanced pulmonary rehabilitation approach for COPD during COVID-19 using myCOPD** Kate Savage (Kent, United Kingdom), jane stokes
PA617	**Late Breaking Abstract - Neuromuscular electrical stimulation of the respiratory muscles based on breathing modelization in a mouse model of cervical spinal cord injury** Thibaut Coustillet (Paris, France), Florence Cayetanot, Laurence Bodineau, Isabelle Vivodtzev
PA618	**A survey to Understand The Need for Rehabilitation Programme After an Episode of COVID-19.** Munyra Alhotye (Leicester, United Kingdom), Enya Daynes, Charlotte Gerlis, Sally J Singh
PA619	**Utilisation of patient participation and involvement to develop a meaningful educational programme for post COVID-19 rehabilitation.** Lisa Pritchard (London, United Kingdom), Laura Moth, Hannah Cumming, Lynn Mcdonnell, Lauren Hogg
PA620	**A review of outcomes from a novel long-COVID clinic.** Arun Prasad (Gateshead, United Kingdom), Hayley Elder, Katie Burke, Nicholas Lane, Megan Ball, Victoria Miller, Michael Scott, Sophie West, Carlos Echevarria, Graham Burns

Pre-congress content Session 101 13:15 - 14:15

E-poster: Asthma burden and management I

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.
This session includes the Best Abstract for Assembly 6 - Epidemiology and Environment, entitled "Protection from childhood hay fever in farm environment"

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

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

Chairs : Núria Toledo Pons (Palma De Mallorca, Spain), Job F.M. van Boven (Groningen, Netherlands)

PA621	**Recurrent pregnancy loss and asthma: A nationwide study** Casper Tidemandsen (Hvidovre, Denmark), Pia Egerup, Charlotte Suppli Ulrik, Vibeke Backer, David Westergaard, Anders Mikkelsen, Øjvind Lidegaard, Henriette Svarre Nielsen
PA622	**Late Breaking Abstract - Cardiovascular risk and COPD in a population-based study** Suurya Krishnan (Montreal, Canada), Suurya Krishnan, Wan Tan, Raquel Farias, Shawn Aaron, Andrea Benedetti, Kenneth Chapman, Paul Hernandez, Francois Maltais, Darcy Marciniuk, Denis O'Donnell, Don Sin, Brandie Walker, Jean Bourbeau
PA623	**Late Breaking Abstract - Low lung function, sudden cardiac death and non-fatal coronary events in the general population** Suneela Zaigham (Malmö, Sweden), Karl-Fredrik Eriksson, Per Wollmer, Gunnar Engström
PA624	**Among respiratory symptoms, wheeze associates most strongly with impaired lung function in adults with asthma - A long-term prospective cohort study** Nicolas Bermúdez Barón (Luleå, Sweden), Anne Lindberg, Caroline Stridsman, Martin Andersson, Linnea Hedman, Sigrid Anna, Hannu Kankaanranta, Bo Lundbäck, Eva Rönmark, Helena Backman
PA625	**Whispers of change in childhood asthma: findings in the French ELFE cohort** Sadia Khan (BORDEAUX Cedex, France), El Hassane Ouaalaya, Bénédicte Leynaert, Jacques De Blic, Christophe Marguet, Antoine Deschildre, Marie-Noëlle Dufourg, Corinne Bois, Marie-Aline Charles, Marie Christine Delmas, Amandine Divaret Chauveau , Emeline Scherer, Steffi Rocchi, Gabriel Reboux, Laurence Millon, Chantal Raherison Semjen
PA626	**Influence of farm environment on asthma during the life-course: a population-based birth cohort study in Northern Finland** Marko Kantomaa (Oulu, Finland), Mimmi Tolvanen, Miia Halonen, Marjo-Riitta Järvelin, Sylvain Sebert

PA627	**Is breathlessness hereditary? Analysis of the RHINESSA generation study** Magnus Ekström (Lyckeby, Sweden), Ane Johannessen, Michael Abramson, Bryndis Benediktsdottir, Karl Franklin, Thorarinn Gislason, Francisco Gómez Real, Mathias Holm, Christer Janson, Rain Jõgi, Andrian Lowe, Andrei Malinovschi, Jesus Moratalla, Anna Oudin, José Luis Sánchez Ramos, Vivi Schlünssen, Cecilie Svanes
PA628	**Association of asthma diagnosis with chronic airflow obstruction: a multi-site cross-sectional study** Octavia Mulhern (London, United Kingdom), Fahad Algharbi, Andre F.S. Amaral, Peter Burney
PA629	**Hospitalizations for asthma in men and women – data analysis from 2014-2017.** Marta Maskey-Warzęchowska (Warszawa, Poland), Katarzyna Białek-Gosk, Jakub Strzelczyk, Sławomir Białek
PA630	**Risk factors and biomarkers of low lung function in early adulthood in the Lifelines study** Núria Olvera Ocaña (Barcelona, Spain), Alvar Agustí, Sandra Casas, Judith M. Vonk, Tamara Garcia, H. Marike Boezen, Maarten Van Den Berge, Rosa Faner
PA631	**Protection from childhood hay fever in farm environment** Sonali Pechlivanis (Munich, Germany), Martin Depner, Juha Pekkanen, Caroline Roduit, Josef Riedler, Amandine Divaret-Chauveau, Roger Lauener, Anne M. Karvonen, Marjut Roponen, Bianca Schaub, Elisabeth Schmausser-Hechfellner, George Loss, Pirkka V. Kirjavainen, David Mills, Harald Renz, Petra I. Pfefferle, Sabina Illi, Erika Von Mutius
PA632	**Associations between TARC/TSLP with asthma characteristics in adults: the EGEA study** Bakari IBRAHIM (PARIS, France), Farid Zerimech, Patricia De Nadai, Valérie Siroux, Anne Tsicopoulos, Regis Matran, Vanessa Granger, Rachel Nadif
PA633	**Preventing future asthma deaths** Carl Reynolds (London, United Kingdom), Iris Vlachantoni, Jess Potter, Ian Moonsie, Chris Valerio, Zaheer Mangera
PA634	**Income inequalities in asthma and bronchitis in northern Sweden: changes over a 20-year period** Christian Schyllert (Luleå, Sweden), Anne Lindberg, Linnea Hedman, Caroline Stridsman, Martin Andersson, Eva Rönmark, Helena Backman
PA635	**Asthma onset and persistence associate differently to adult lung function depending on sex** Ida Mogensen (Skarpnäck, Sweden), Jenny Hallberg, Anna Bergström, Erik Melén, Inger Kull
PA636	**Socioeconomic status, lifestyle factors and asthma prevalence. Results from a population-based study in Sweden.** Mikael Hasselgren (Karlstad, Sweden), Mikael Hasselgren, Anu Molarius
PA637	**Association between nonalcoholic fatty liver disease and the incidence of asthma in adults: Results from the Korean National Health Insurance Service-National Sample Cohort (NHIS-NSC) database** Sun-young Yoon (Sejong-si, Republic of Korea), Jae-Hyung Roh
PA638	**Factors affecting patients' decision to adjust treatment; secondary analysis of a randomised trial of treatment optimisation in patients with severe asthma** Liam G. Heaney (Belfast (Belfast), United Kingdom), John Busby, John Matthews, Rekha Chaudhuri, Ian Pavord, Tim Hardman, Joseph Arron, Peter Bradding, Christopher Brightling, David Choy, Douglas Cowan, Ratko Djukanovic, Catherine Hanratty, Tim Harrison, Cecile Holweg, Peter Howarth, Stephen Fowler, James Lordan, Adel Mansur, Andrew Menzies-Gow, Robert Niven, Douglas Robinson, Samantha Walker, Ashley Woodcock
PA639	**Non-adherence and sub-optimal treatment with asthma medications in young adults: a population-based cohort study** Elin Dahlén (Uppsala, Sweden), Anna Bergström, Maria Ödling, Sandra Ekström, Erik Melén, Inger Kull

Pre-congress content Session 102 13:15 - 14:15

E-poster: COVID - 19 biomarkers

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Respiratory critical care

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

Tag(s) : COVID

Chairs : Kseniia Bielosludtseva (Dniepropetrovsk, Ukraine), Charlotte Summers (Cambridge (Cambridgeshire), United Kingdom)

PA640	**Hematological parameters- as mortality predictors in COVID-19 patients** Cristian Cojocaru (Iasi (Iasi), Romania), Elena Cojocaru

PA641	**Ferritin versus D-dimer:comparison of prognostic roles in COVID-19 pneumonia** Kseniia Bielosludtseva (Dniepropetrovsk, Ukraine), Olena Myronenko, Tetyana Pertseva, Lyudmila Konopkina, Oksana Plekhanova, Mariia Krykhtina
PA642	**Blood fibrocytes are associated with severity and prognosis in COVID-19 pneumonia** Mada Ghanem (Paris, France), Meline Homps-Legrand, Lise Morer, Tiphaine Goletto, Justine Frija, Catherine Bancal, Margarita Hurtado-Nedelec, Madeleine Jaillet, Arnaud Mailleux, Catherine Neukirch, Raphael Borie, Camille Taille, Bruno Crestani
PA643	**Pathophysiological parameters of microcirculation as determinants of mortality in SARS-CoV-2 pneumonia** Francisco Sanz Herrero (Quart de Poblet (Valencia), Spain), Francesc Puchades Gimeno, Esther Verdejo Mengual, Vicente Abril López De Medrano, Sara Carrascosa García, José Ignacio Mateo González, Amparo Lluch Bisbal, Noelia Carrión Collado, Alfonso González Cruz, Miguel García Deltoro, Estrella Fernández Fabrellas
PA644	**Indicators of systemic inflammation in critically ill patients with COVID-19.** Rizvan Abdullaev (Moscow, Russian Federation), Oksana Komissarova, Yuriy Berezovskiy, Evgeniy Gretsov
PA645	**Indicators of hemostasis and fibrinolysis systems in critically ill patients with COVID-19.** Rizvan Abdullaev (Moscow, Russian Federation), Oksana Komissarova, Yuriy Berezovakiy, Yevgeniy Gretsov
PA646	**Admission clinical parameters in predicting in-hospital mortality in COVID-19** Dalia Mudawi (Salford (Lancashire), United Kingdom), Ran Wang, Karl Heyes, Robert Niven, Nazia Chaudhuri
PA647	**Correlation of renal impairment with biochemical and radiological findings, and clinical outcome in COVID-19 pneumonia patients** IOANNA PAPADAKI (Athens, Greece), Dimitrios Papadopoulos, Georgia-Emmanouela Dendrinou, Theofani Tambakis, Vasileios Gkogkos, Stefanos Kanellas, Sofia-Evlalia Myrotheou, Idajet Dura, Maria Christodoulou, Thomas Triantafyllou, Kyriaki Zeibecoglou
PA648	**The Value of C-Reactive Protein-to-Lymphocyte Ratio in Predicting the Severity of SARS-CoV-2 Pneumonia** Catia Cilloniz Campos (Barcelona, Spain), Hector Peroni, Carles Domingo, Rebeca Muñoz, Josep Lluis Bedini, Alex Soriano, Antoni Torres
PA649	**The best coagulation marker for prediction of COVID-19 pneumonia progression.** Mariia Krykhtina (Dniepropetrovsk, Ukraine), Kseniia Bielosludtseva, Tetyana Pertseva, Lyudmila Konopkina
PA650	**Association between creatine kinase level and mortality in high-risk patients with COVID-19** Michael Brovko (Moscow, Russian Federation), Aram Kitbalian, Larisa Akulkina, Pavel Potapov, Alexey Moiseev, Anastasia Schepalina, Alexandra Yakovleva, Viktoria Sholomova, Sergey Moiseev
PA651	**Lymphocyte-to-monocyte ratio (LMR) as a predictor of Covid-19 pneumonia progression** Mariia Krykhtina (Dniepropetrovsk, Ukraine), Daria Koval, Tetyana Pertseva, Lyudmila Konopkina, Kseniia Bielosludtseva
PA652	**What is the best biomarker of COVID-19 pneumonia progression?** Kseniia Bielosludtseva (Dniepropetrovsk, Ukraine), Tetyana Pertseva, Tetiana Kirieieva, Bohdana Basina, Nataliia Krabchenko, Mariia Krykhtina
PA653	**Platelet-to-lymphocyte ratio (PLR) as a predictor of Covid-19 pneumonia progression** Mariia Krykhtina (Dniepropetrovsk, Ukraine), Daria Koval, Lyudmila Konopkina , Kseniia Bielosludtseva
PA654	**C-reactive protein (CRP) at admission: is it really usefull in COVID-19 pneumonia?** Kseniia Bielosludtseva (Dniepropetrovsk, Ukraine), Kseniia Bielosludtseva, Tetyana Pertseva, Tetiana Kirieieva, Mariia Krykhtina, Nataliia Kravchenko
PA655	**Serum KL-6 as a biomarker to assess risk of worse outcome in patients with SARS-CoV2 infection** Sivagurunathan Sutharsan (Essen, Germany), Marc Berger, Jitka Andrä, Lutz-Bernhard Jehn, Christian Taube, Thorsten Brenner, Simone Kattner, Andreas Limmer, Francesco Bonella
PA656	**ISTH Criteria for Disseminated Intravascular Coagulation (DIC) scale, Padua scale, D-dimer or Fibrinogen: what is the best predictor of COVID-19 pneumonia progression?** Mariia Krykhtina (Dniepropetrovsk, Ukraine), Kseniia Bielosludtseva, Tetyana Pertseva, Lyudmila Konopkina
PA657	**Relation between inflammatory biomarkers and oxygen needs in severe COVID-19 patients** Samia Essebaa (Ariana, Tunisia), Selsabil Daboussi, Samira Mhamdi, Nouha Guediri, Islem Mejri, Chiraz Aichaouia, Zied Moatemri, Mohsen Khadhraoui
PA658	**The prognostic value of procalcitonin in patients with hypoxemic COVID 19 pneumonia.** Islam Mejri Ep Ajili (Hammamlif Ben Arous, Tunisia), Islam Mejri Ep Ajili, Nouha Boubaker, Hager Kchouk, Samira Mhamdi, Selsabil Daboussi, Chiraz Aichaouia, Zied Moatemri, Mohsen Khadhraoui

PA659 **Differences in inflammation biomarkers among COVID-19 and Non-COVID-19 pneumonia.**
ALEJANDRO REZOLA CARASUSAN (Donostia San Sebastian, Spain), Leyre Serrano Fernandez, Luis Alberto Ruiz Iturriaga, Edurne Echevarria Guerrero, Beatriz Gonzalez Quero, Joseba Andia Iturrate, Elena Garay Llorente, Jone Solorzano Santobeña, Imanol Gonzalez Muñoz, Rafael Zalacain Jorge

Pre-congress content Session 103 13:15 - 14:15

E-poster: Novel insights into the pathogenesis of chronic lung diseases

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

Method(s) : Physiology | Cell and molecular biology | Epidemiology | Pulmonary function testing

Tag(s) : COVID

Chairs : Stefan Marciniak (Cambridge (Cambridgeshire), United Kingdom), Audrey Joannes (RENNES, France)

PA660 **Mapping of Kras mutations during chemical carcinogenesis**
Sabine J. Behrend (München, Germany), Magda Spella, Mario A. A. Pepe, Georgia A. Giotopoulou, Marina Lianou, Ioanna Giopanou, Anne-Sophie Lamort, Georgios T. Stathopoulos

PA661 **Differential expression analysis of lncRNA in different types of lung cancer**
Macarena Arroyo Varela (Malaga, Spain), Lorena Aguilera Cobos, Esperanza Salcedo Lobera, Rafael Larrosa Jiménez, M. Gonzalo Claros Díaz, Rocío Bautista Moreno

PA662 **The analysis of CHEK2 gene mutation in small cell lung cancer**
Aigool Nizamova (Ufa, Russian Federation), Galiya Gimalova, Zamir Abdullin, Elsa Khusnutdinova

PA663 **Mutational RNA signatures in environmentally-induced lung adenocarcinoma**
Georgia A. Giotopoulou (Munich, Germany), Sabine J. Behrend, Giannoula Ntaliarda, Anne-Sophie Lamort, Mario A.A. Pepe, Ioannis Lillis, Magda Spella, Georgios T. Stathopoulos

PA664 **Altered expression of long non-coding RNA in sputum and blood during pulmonary exacerbation in cystic fibrosis**
Zuzanna Stachowiak (Poznan, Poland), Beata Narożna , Wojciech Langwiński, Irena Wojsyk-Banaszak, Katarzyna Jończyk Potoczna, Anna Bręborowicz, Aleksandra Szczepankiewicz

PA665 **Airway remodelling augmented in patients with asthma COPD overlap (ACO) compared to asthma and COPD.**
Surajit Dey (Launceston, Australia), Wenying Lu, James Markos, Josie Larby, Collin Chia, Greg Haug, Heinrich C. Weber, Samuel James Brake, Stephen Myers, Archana Vijay Gaikwad, Prem Bhattarai, Peter A.B Wark, Mathew Suji Eapen, Sukhwinder Singh Sohal

PA666 **Potential translation of plasma microRNA signatures in the risk stratification of COVID-19 patients admitted to the ICU**
David de Gonzalo Calvo (Lleida / Lérida, Spain), Iván Benítez, Amara Carratalá, Anna Moncusí-Moix, Clara Gort-Paniello, Lucía Pinilla, Marta Molinero, Jessica González, Gerard Torres, María Bernal, Silvia Pico, Raquel Almansa, Noelia Jorge, Alicia Ortega, Elena Bustamante-Munguira, Jose Manuel Gómez, Milagros González-Rivera, Dariela Micheloud, Pablo Ryan, Amalia Martínez, Luis Tamayo, César Aldecoa, Ricard Ferrer, Adrián Ceccato, Laia Fernández, Ana Motos, Jordi Riera, Rosario Menéndez, Dario Garcia-Gasulla, Óscar Peñuelas, Antoni Torres, Jesús F Bermejo-Martin, Ferran Barbé

PA667 **Alterations of systemic hyaluronic acid in patients with COPD: a cross-sectional analysis**
Kiki Waeijen-Smit (Horn, Netherlands), Niki Reynaert, Rosanne Beijers, Sarah Houben-Wilke, Sami Simons, Martijn Spruit, Frits Franssen

PA668 **Characterisation of alpha-1 antitrypsin protein expression and secretion in natural killer cells from healthy volunteers and alpha-1 antitrypsin deficiency patients**
Lucía Bañuls (Valencia, Spain), Silvia Castillo , María Magallón, Daniel Pellicer, Sergi Bondia, María Mercedes Navarro-García, Cruz González, Francisco Dasí

PA669 **Transcriptome profiling reveals a potential role for antagonism of the calcium-sensing receptor in the prophylaxis of idiopathic pulmonary fibrosis**
Kasope L. Wolffs (Cardiff, United Kingdom), Daniel A. Pass, Beth Mansfield, Richard T. Bruce, Petar A. Popov, Christopher J. Corrigan, Jeremy P.T. Ward, Paul J. Kemp, Benjamin Hope-Gill, Daniela Riccardi

PA670 **Genetic risk for covid-19 outcomes in COPD**
Rui Marçalo (Aveiro, Portugal), Sonya Neto, Miguel Pinheiro, Ana Rodrigues, Nuno Sousa, Manuel Santos, Paula Simão, Carla Valente, Lilia Andrade, Alda Marques, Gabriela Moura

PA671 **Accelerated analysis of reactivation of the dormant Mycobacterium tuberculosis using mycobacteriophage D29.**
Mikhail Vladimirsky (Moscow, Russian Federation), Marina Lapenkova, Greta Arustamova, Igor Granovsky, Anna Makarova, Rafail Kuznitsyn

PA672 **A rejuvenation effect of the antifibrotic therapy correlates with lung function improvement in IPF patients**
Sofia Pavanello (Padova, Italy), Manuela Campisi, Filippo Liviero, Davide Biondini, Elisabetta Balestro , Paolo Spagnolo

PA673 **Usefulness of GDF-15 as a biomarker of respiratory worsening in COVID-19 patients.**
Anaís Mariscal (Barcelona, Spain), Leticia Alserawan, Iván Castellví, Esther Ortiz, Patricia Peñacoba, Teresa Franco-Leyva, José Luís Tandaipán, Laura Martínez-Martínez, Héctor Corominas, Pere Domingo, Cándido Juárez, Diego Castillo

PA674 **Comparison of transcriptional differences between IL-4Ra and IL-5 blockade in a mouse model of asthma**
George Scott (Tarrytown, United States of America), Jeanne Allinne, Seblewongel Asrat, Weikeat Lim, Kirsten Nagashima, Dylan Birchard, Subhashini Srivatsan, Dharani Ajithdoss, Adelekan Oyejide, Li-Hong Ben, Johnathon Walls, Audrey Le Floc'H, George Yancopoulos, Andrew Murphy, Matthew Sleeman, Jamie Orengo

PA675 **The worldwide covid-19 genetic risk scenario**
Rui Marçalo (Aveiro, Portugal), Sonya Neto, Miguel Pinheiro, Ana Rodrigues, Nuno Sousa, Manuel Santos, Paula Simão, Carla Valente, Lilia Andrade, Alda Marques, Gabriela Moura

PA676 **Saliva as a “patient-friendly” specimen for COPD assessment**
Ana Sousa (Aveiro, Portugal), Ana Sousa, Sara Melo-Dias, Carla Valente, Lília Andrade, Alda Marques

PA677 **Evolution of tetracycline resistant S. aureus in hypoxia**
Rebecca Hull (Sheffield, United Kingdom), Simon Foster, Michael Brockhurst, Alison Condliffe

Pre-congress content Session 104 13:15 - 14:15

E-poster: New insights into the airway immunology of lung disease

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

Method(s) : Cell and molecular biology Pulmonary function testing Imaging Physiology Transplantation Endoscopy and interventional pulmonology

Chairs : Niki L. Reynaert (Maastricht, Netherlands), Kylie Belchamber (Birmingham, United Kingdom)

PA678 **IL-36? – a key mediator of neutrophilic inflammation in chronic obstructive pulmonary disease**
Jonathan R. Baker (London, United Kingdom), Peter S Fenwick, Harriet B Owles, Carolin Koss, Karim El-Kasmi, Peter J Barnes, Louise E Donnelly

PA679 **Effect of allergen-activated eosinophils on contractility and migration of ASMC and PF in asthma**
Ieva Janulaityte (Kaunas, Lithuania), Andrius Januskevicius, Egle Jurkeviciute, Jolita Palacionyte, Airidas Rimkunas, Beatrice Tamasauskaite, Kestutis Malakauskas

PA680 **Increased cough, mucus and wheeze characterise COPD and Asthma in Australian Aboriginal adults**
Nick Young (Newcastle, Australia), Winnie Chen, Daniel Wong, Shimul Chatterjee, Aishath Lam'Aan Latheef, Jodie Simpson, Peter Wark, Alistair Cook

PA681 **T cell maturation profile in metastatic vs. non-metastatic lymph nodes in NSCLC patients**
Iwona Kwiecień (Warszawa, Poland), Elżbieta Rutkowska, Joanna Bednarek, Rafał Sokołowski, Karina Jahnz- Różyk , Joanna Domagała-Kulawik, Piotr Rrzepecki

PA682 **Destructive-cytolytic and peroxidase activity of bronchial granulocytes in asthma patients with different levels of disease control**
Juliy M. Perelman (Blagoveshchensk (Amur Oblast), Russian Federation), Aleksey B. Pirogov, Anna G. Prikhodko

PA683 **Profiling of COPD and IPF cytokine responses in human lung**
Dhruma Thakker (Nottingham, United Kingdom), Amanda Henry, Charlotte K. Billington, Binaya Kc, Tracy Rimington, Ian Sayers, Ian Hall

PA684 **Normal values for bronchoalveolar lavage (BAL) differential cell count and lymphocyte subpopulations**
Daniel Soriano (Freiburg, Germany), Sebastian Fähndrich, Thomas Köhler, Wolfram Meschede, Joachim Müller-Quernheim, Gernot Zissel, Björn Christian Frye

PA685 **The effectiveness of N-acetylcysteine in the suppression of pro-inflammatory cytokines in patients with COPD**
Aliaksei Kadushkin (Minsk, Belarus), Anatoli Tahanovich, Tatsiana Kolesnikova, Elena Hodosovskaya, Elina Talabayeva, Alena Plastinina

PA686	**Recruitment of Dendritic Cells by Factor XIII (FXIII) facilitates the immune response in COPD** Alvise Casara (Padua, Italy), Erica Bazzan, Umberto Semenzato, Mariaenrica Tinè, Matteo Bonato, Elisabetta Cocconcelli, Graziella Turato, Simonetta Baraldo, Claudia Maria Radu, Paolo Simioni, Manuel G. Cosio, Marina Saetta
PA687	**Theophylline and budesonide downregulate production of cytokines by blood T lymphocytes of patients with COPD** Aliaksei Kadushkin (Minsk, Belarus), Anatoli Tahanovich, Volha Dziadzichkina, Liudmila Movchan, Tatiana Shman
PA688	**Differential response of monocyte-derived macrophages from COPD and healthy subjects to LPS/IFN? stimulation** Denis Naumov (Blagoveshchensk (Amur Oblast), Russian Federation), Ivana Sugaylo, Dina Gassan, Olesya Kotova, Evgeniya Afanaseva, Elizaveta Sheludko, Yana Gorchakova
PA689	**Neutrophil to lymphocyte ratio and severity of COPD : prospective study** HASSENE BAILI (sousse, Tunisia), Imène Touil, Yosra Brahem, Soumaya Bouchareb, Nadia Keskes Boudawra, Souhir Kessisa, Jihène Ayeb, Jalel Knani, Leila Boussoffara
PA690	**Analysis of DNA repair synthesis in peripheral blood lymphocytes from patients with well-controlled and uncontrolled asthma** Andrey Evgenievich Lintsov (Saint-Peterburg, Russian Federation), Alisher Soliev, Pavel Slizhov , Nadezhda Pleskach, Victor Mikhelson
PA691	**Transcriptome profiling of platelets from patients with severe asthma.** Mohamad Chebbo (Marseille, France), Said Assou, Véronique Pantesco, Catherine Duez, Arnaud Bourdin, Pascal Chanez, Delphine Gras
PA692	**Cytokine production of alveolar macrophages is decreased by OR2AT4** Daniel Weidinger (Bochum, Germany), Kaschin Jamal Jameel, Desiree Alisch, Matthias Ruhe, Paul Bürger, Simon Rohde, Faisal Yusuf, Peter Kaufmann, Juliane Kronsbein, Marcus Peters, Nikolaos Giannakis, Hanns Hatt, Jürgen Knobloch
PA693	**Deconvolution of the sputum transcriptome and methylome by quadratic programming in asthma and COPD** Espen Elias Groth (Hamburg, Germany), Melanie Weber, Thomas Bahmer, Frauke Pedersen, Anne Kirsten, Daniela Börnigen, Klaus F. Rabe, Henrik Watz, Ole Ammerpohl, Torsten Goldmann
PA694	**In vivo allergen-activated inflammatory eosinophils reduced airway smooth muscle cells apoptosis in allergic asthma patients** Andrius Januskevicius (Kaunas, Lithuania), Egle Jurkeviciute, Airidas Rimkunas, Jolita Palacionyte, Beatrice Tamasauskaite, Ieva Janulaityte, Virginija Kalinauskaite-Zukauske, Kestutis Malakauskas
PA695	**The bronchial challenge with D. pteronyssinus enhanced pro-proliferative properties of inflammatory eosinophils subtype in allergic asthma patients** Egle Jurkeviciute (Kaunas, Lithuania), Andrius Januskevicius, Airidas Rimkunas, Jolita Palacionyte, Beatrice Tamasauskaite, Ieva Janulaityte, Virginija Kalinauskaite-Zukauske, Kestutis Malakauskas
PA696	**Gender-specific differences in leukocyte subsets of end-stage COPD patients analyzed by flow cytometry** Ara Cho (Vienna, Austria), Alberto Benazzo, Jasmin Mucha, Anna Marianne Weijler, Ulrike Just, Robert Knobler, Konrad Hoetzenecker, Thomas Wekerle, Peter Jaksch

Pre-congress content Session 105 13:15 - 14:15

E-poster: Moving forward in various aspects of sarcoidosis

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Interstitial lung diseases Airway diseases

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

Chairs : Natalia V. Rivera (Stockholm, Sweden), Vasileios Kouranos (London, United Kingdom)

PA697	**Human dendritic cells with PD-1+ CD80+ expression from lymph nodes aspirates of sarcoidosis patients.** Elżbieta Rutkowska (Warsaw, Poland), Iwona Kwiecień, Rafał Sokołowski, Joanna Bednarek, Agata Raniszewska, Karina Jahnz-Różyk, Piotr Rzepecki
PA698	**Is there a link between autophagy, sarcoidosis, and non granulomatous neurological disorders?** Thomas El Jammal (Strasbourg, France), Alain Calender, Nathalie Freymond, Grégoire Prévot, Pascal Sève, Dominique Valeyre, Yves Pacheco

PA699	**Mitophagy, at the crossroads of genetic pathways involved in sarcoidosis and host-pathogen interactions with SARS-COV2 proteins** Alain Calender (Lyon, France), Dominique Valeyre, Jérome Lamartine, Fabien Chevalier, Dominique Sigaudo Roussel, Yves Pacheco
PA700	**Cryptococcosis in a sarcoidosis patient with impaired response to IL-2** Thomas El Jammal (Strasbourg, France), Alain Calender, Nathalie Freymond, Pascal Sève, Yves Pacheco
PA701	**The role of nonspecific inflammation factors – SA-A and pentraxin-3 in patients with respiratory sarcoidosis in different age groups** Natalya Demyanenko (Moskow, Russian Federation), Averbakh Mihail, Natalya Makaryants, Elena Vladimirova, Anna Egorova, Aminat Akhmedova
PA702	**HLA Associations in Czech Patients with Sarcoidosis** Martin Petřek (Olomouc, Czech Republic), Kateřina Sikorová, Veronika Zizková, Lenka Kocourková, Adam Strnad, Martina Doubková
PA703	**Influence of HLA class II DRB1*/DQB1* alleles in phenotypes of Indian patients of sarcoidois.** deepak rosha (Noida, India), Mohit Chowdhry, Ishan Gupta
PA704	**Comorbidity of sarcoidosis in mountainous regions of Western Ukraine: a based-cohort (n=592) patients analysis** Kostiantyn Shvets (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Kseniia Ostrovska, Oleksandr Varunkiv, Mariana Kulynych-Miskiv, Galyna Korzh, Iryna Savelikhina, Nadiya Korzh
PA705	**Seasonality of hypercalcemia - A population-based study on patients with pulmonary sarcoidosis** Julie Rødsgaard (Odense C, Denmark), Daniel Pilsgaard Henriksen, Christian B. Laursen, Jesper Rømhild Davidsen
PA706	**The role of calcium metabolism assessment in the clinical setting of interstitial lung diseases** Paolo Cameli (Siena (SI), Italy), Carla Caffarelli, Miriana D'Alessandro, Laura Bergantini, Martina Armati, Maria Dea Tomai Pitinca, Piersante Sestini, Stefano Gonnelli, Elena Bargagli
PA707	**The features of sarcoidosis in owerweight patients.** Evgeniy Shchepikhin (Moscow, Russian Federation), Evgeniy Shchepikhin, Evgeniy Shmelev, Anna Zaitseva, Natalia Makaryants
PA708	**Cardio-pulmonary exercise test and 1-minute sit-to-stand test correlation in patients with sarcoidosis.** Ioannis Kokkonouzis (Peristeri - Athens, Greece), Ioanna Pantou, Dimitrios Papadopoulos, Nikolaos Tzogkas
PA709	**Löfgren syndrome in patients with sarcoidosis: 25 years` observational study in Kharkiv, Ukraine** Olha Konstantynovska (Kharkiv, Ukraine), Petro Poteiko
PA710	**Comparative review of older-onset and younger-onset sarcoidosis in endobronchial biopsy-confirmed cases** Michelle Brennan (Galway, Ireland), Sine Phelan, David Breen
PA711	**An Audit on the Screening of Biopsy Confirmed Sarcoidosis in a University Hospital** Niamh Boyle (Celbridge, Ireland), Aoife Kirk, Conor Larney, Thomas Mcenery
PA712	**Prevalence of small fiber neuropathy in patients with sarcoidosis in an outpatient setting.** Nicol Bernardinello (Trecenta (RO), Italy), Elisabetta Cocconcelli, Elisabetta Balestro, Paolo Spagnolo
PA713	**Quality of Life in Patients with Sarcoidosis Combined with Irritable Bowel Syndrome** Adila Zeinalova (Donetsk, Ukraine), Olena Semendyayeva, Liza Tsirkovskaya, Nadezhda Monogarova
PA714	**Fatigue, coping, anxiety and depression in patients with sarcoidosis** Linda Charvoz (Lausanne, Switzerland), Aline Veyre, Sandra Châtelain, Nicolas Domon, Dorrit Irène Novel, Mary-Line Wiamsemsky, Selma Ahmetovic, Cécile Daccord, Adam Ogna, Laurent Nicod
PA715	**Short term treatment response in pulmonary sarcoidosis – a prospective study** Ancy Thomas (Pathanamthitta, India), Barney Isaac, Devasahayam Christopher, Leena Vimala, Richa Gupta
PA716	**The course of COVID-19 in pulmonary sarcoidosis patients, receiving methotrexate** Ievgeniia Merenkova (Kyiv, Ukraine), Volodymyr Gavrysyuk, Yaroslav Dziublyk, Galyna Gumeniuk

Pre-congress content Session 106 13:15 - 14:15

E-poster: Developments in biomarkers and treatment strategies for chronic lung diseases

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

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

Tag(s) : COVID

Chairs : Manuela Platé (London, United Kingdom), Pauline BARDIN (Champs-sur-Marne, France)

PA717	**FUNCTIONAL AND METABOLIC CHARACTERISTICS OF BRONCHOALVEOLAR LAVAGE FLUID CELLS IN PATIENTS WITH PROLONGED COMMUNITY ACQUIRED PNEUMONIA** Roman Razumnyi (Lugansk, Ukraine)
PA718	**Community acquired pneumonia in COPD patients: ?linical features and peculiarities of nitric oxide metabolism** Usman Farkhutdinov (Ufa (Republic of Bashkortostan), Russian Federation), Elmira Amirova, Rafagat Farkhutdinov
PA719	**Active oxygen forms and antioxidant blood status in patients with community acquired pneumonia and its combination with COPD** Usman Farkhutdinov (Ufa (Republic of Bashkortostan), Russian Federation), Elmira Amirova, Rafagat Farkhutdinov, Shamil Farkhutdinov
PA720	**Role of peroxidases in the formation of an osmo-dependent reaction of airways in patients with asthma** Juliy M. Perelman (Blagoveshchensk (Amur Oblast), Russian Federation), Aleksey B. Pirogov, Anna G. Prikhodko, Victor P. Kolosov
PA721	**The effect of antioxidants on oxidative metabolism in smokers** Svetlana K. Soodaeva (Moscow, Russian Federation), I Klimanov, E Zaprudnova , L Churkina , T Li , N Popova , N Kubysheva , V Novoselov , L Nikitina
PA722	**The leucocyte telomere length, GSTM1 and GSTT1 null genotypes and the risk of COPD** Dimo Dimov (Stara Zagora, Bulgaria), Tanya Tacheva, Shanbeh Zienolddiny, Heidi Notø, Denitsa Vlaykova, Aage Haugen, Tatyana Vlaykova
PA723	**The Involvement of NLRX1 in Pulmonary Hyperoxic Acute Injury.** Hye Rin Kim (Seoul, Republic of Korea), Mi Na Kim, Eun Gyul Kim, Jae Woo Lee, Kyung Won Kim, Myung Hyun Sohn
PA724	**The proinflammatory role of SOCS3 in COPD is regulated by the expression of miRNAs in Bronchoalveolar Lavage (BAL) microvesicles (MV)** Mariaenrica Tine (Padova (PD), Italy), Erica Bazzan, Sara Carpi, Beatrice Polini, Tommaso Neri, Alvise Casara, Marco Cecchini, Paola Nieri, Alessandro Celi, Marina Saetta, Manuel G Cosio
PA725	**Oxalate excretion in patients with allergic airway diseases** Svetlana K. Soodaeva (Moscow, Russian Federation), Igor A. Klimanov, Elena Tush, Anna Obykhov, Dmitry Ovsyannikov, Svetlana V. Vanyakina 4 Vanyakina, Olga Khaletskaya, M Glukhova, L Nikitina
PA726	**Plasma derived-exosome microRNAs in Idiopathic Pulmonary Fibrosis of Anti-synthetase syndrome Disease patients** Sara Bozzini (Pavia, Italy), Giovanni Zanframundo, Veronica Codullo, Vanessa Frangipane, Laura Pandolfi, Sara Lettieri, Belèn Atienza-Mateo, Sara Remuzgo Martinez, Carlomaurizio Montecucco, Miguel A. Gonzalez-Gay, Lorenzo Cavagna, Federica Meloni
PA727	**D-dimer as a predictor of persistent pulmonary function impairment after COVID-19 pneumonia: a prospective observational study** Dejan Radovanovic (Milano (MI), Italy), Stefano Pini, Marina Saad, Elisa Franceschi, Luca Perotto, Giuseppe Croce, Fabio Giuliani, Andrea Airoldi, Maurizio Rizzi, Pierachille Santus
PA728	**Predictive systemic biomarkers of pulmonary fibrosis after COVID-19 pneumonia** Carla Suarez Castillejo (Palma de Mallorca, Spain), Jaume Sauleda Roig, Nestor Calvo Rado, Sara Hermoso De Mendoza Aristegui, Lluisa Ramon Clar, Belen Nuñez Sanchez, Amanda Iglesias Coma, Luminita Marinela Noje Noje, Alberto Alonso Fernandez, Daniel Morell García, Maria Mercedes Rodriguez Romero, Nuria Toledo Pons, Jose Luis Valera Felices, Joaquin Martinez Menendez, Juan Antonio Palmer Sancho, Jaume Pons De Ves, Ernest Sala Llinas
PA729	**Improved assay for the quantification of hydroyproline (collagen) in animal models of Idiopathic Pulmonary Fibrosis.** Mary Mcelroy (Edinburgh (Edinburgh), United Kingdom), Jem Davis, Angela Marsden, Pan Filis, Darren Spark, Iain Love
PA730	**The effect of pulmonary macrophage transplantation in the pulmonary fibrosis of mice** Eiko Suzuki (Chiba, Japan), Jun Ikari, Masaki Suzuki, Ayako Shimada, Keiko Yamamoto, Nozomi Tanaka, Ayumi Sekine, Seiichiro Sakao, Koichiro Tatsumi, Takuji Suzuki
PA731	**Effect of Nintedanib in a rat model of bleomycin-induced lung fibrosis: a transcriptome analysis** Martina Bonatti (Parma, Italy), Vanessa Pitozzi, Paola Caruso, Silvia Pontis, Maria Gloria Pittelli, Caterina Frati, Denise Madeddu, Federico Quaini, Costanza Lagrasta, Maurizio Civelli, Simone Ottonello, Gino Villetti, Marcello Trevisani, Barbara Montanini

PA732 **Development of PRS-220, a potential best-in-class, inhaled CTGF/CCN2 inhibitor for the treatment of IPF**
Vanessa Neiens (Hallbergmoos, Germany), Vanessa Welk, Marina Pavlidou, Gabriele Matschiner, Claudia Wurzenberger, Eva-Maria Hansbauer, Janet Peper-Gabriel, Thomas Jaquin, Shane Olwill

PA733 **Simultaneous inhibition of CTGF and Autotaxin reduces lung fibrosis and improves lung function in mice**
Robert J J O'Donoghue (Melbourne, Australia), Caitlin O'Brien, Mun Joo Chuei, Vanessa Welk, Thomas Jaquin, Goran Martic, Ellie H-J Cho, Kathryn Stok, Delaney Haugan, Gabrielle Matschiner, Giuseppe Ciccotosto, Andrew G Jarnicki, Gary P Anderson

PA734 **The effect of roflumilast on lipopolysaccharide-induced acute lung injury during neutropenia recovery in mice**
Hyonsoo Joo (Seoul, Republic of Korea), Kyu Yean Kim, Jin Woo Kim

PA735 **Protective effect of inhaled glucocorticosteroid and long-acting beta2-agonist combination on COPD model**
Olga Titova (St. Petersburg, Russian Federation), Natalya Kuzubova, Elena Lebedeva, Elizaveta Volchkova

PA736 **Late Breaking Abstract - Changes in human bronchial epithelial cell (BEC) DNA 5-methylcytosine (mC) And 5 -hydroxymethylcytosine (hmC) in response to Nepal cook stove smoke exposure**
Poojitha Rajasekar (Nottingham, United Kingdom), K C Binaya , Parth Sarathi Mahapatra, Siva Praveen Puppala, Dhruma Thakker, Julie Macisaac, David Lin, Michael Kobor, Charlotte E Bolton, Ian Sayers, Ian Hall, Rachel Clifford

Pre-congress content Session 107 13:15 - 14:15

E-poster: Advances in therapeutic plans for sleep disordered breathing

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Sleep and breathing disorders

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

Chairs : Özen K Basoglu (Izmir, Turkey), Johan Verbraecken (Edegem (Antwerp), Belgium)

PA737 **The investigation of Isovolumic Acceleration (IVA) as a subclinical marker to assess Right Ventricular (RV) function following the application of CPAP for newly diagnosed Obstructive Sleep Apnoea**
Peter Coss (Dublin 8, Ireland), Gerard King, Caroline Daly, Ross Murphy, Anne Marie Mc Laughlin

PA738 **Positive airway pressure emergent Cheyne-Stokes breathing**
Neil Skjodt (Lethbridge (AB), Canada), Ronald S. Platt

PA739 **Evaluation quality of life, anxiety, and depression in patients with obstructive sleep syndrome before and after three and twelve months of continuous positive airway pressure therapy**
Ourania Kotsiou (Larissa, Greece), Dimitra Siachpazidou, Stavrou Vasileios, George Vavougios, Zoe Daniil, Evdoxia Gogou, Chaido Pastaka, Nikolas Economou, Chrisi Hatzoglou, Konstantinos Gourgoulianis

PA740 **Health Outcomes of Continuous Positive Airway Pressure versus Mandibular Advancement Device for the Treatment of Severe Obstructive Sleep Apnea: an Individual Participant Data Meta-analysis**
Wojciech Trzepizur (Angers, France), Peter A. Cistulli, Martin Glos, Bruno Vielle, Kate Sutherland, Peter J. Wijkstra, Aarnoud Hoekema, Frederic Gagnadoux

PA741 **Efficacy testing for oral appliance therapy in obstructive sleep apnea**
Kimberly Johnson (Rochester, United States of America), Michelle Herberts, Subha Giri, Patricio Escalante

PA742 **Mandibular advancement splints and glucose levels in patients with type 2 diabetes and obstructive sleep apnea: A pilot study**
Romeo Alam (Montréal, Canada), Emily Santini, Geneviève Tremblay, John Kimoff, Mark Sherman, Fernanda Almeida, Jean Patrick Arcache, Andrea Benedetti, Zelalem Negeri, Kaberi Dasgupta, Nelly Huynh, Sushmita Pamidi

PA743 **A novel machine learning approach to predict oral appliance (OA) therapy responses in obstructive sleep apnoea (OSA)**
Danny Eckert (Bedford Park (SA), Australia), Ritaban Dutta, Benjamin Tong

PA744 **Effects of physical exercise on the respiratory muscles, aerobic capacity and quality of life in patients with obstructive sleep apnea**
Julián Andrés Rivera Motta (Cali, Colombia), Ricardo Mosquera, Lina Marcela Orozco Mejía

PA745 **Pitolisant long term effect in sleepy obstructive sleep apnea patients without CPAP.**
Yves Dauvilliers (Montpellier, France), Johan Verbraecken, Markku Partinen, Jan Hedner, Tarja Saaresranta, Ognian Georgiev, Rumen Tiholov, Christian Caussé, Isabelle Lecomte, Renaud Tamisier , Patrick Lévy, Jeanne-Marie Lecomte, Jean-Charles Schwartz, Jean-Louis Pépin

PA746 **Pitolisant efficacy in excessive daytime sleepiness for patients with obstructive sleep apnea**
CHRISTIAN CAUSSE (Paris, France), CHRISTIAN CAUSSE, Jean-Louis Pépin, Yves Dauvilliers, Valérie Attali, Philippe Lehert

PA747 **Reduced hypoxic burden following carbonic anhydrase inhibition in obstructive sleep apnea – a randomized placebo-controlled study**
Christian Strassberger (Gothenburg, Sweden), Ludger Grote, Kaj Stenlöf, Jan Hedner, Ding Zou

PA748 **Effect of acetazolamide on visuomotor performance at altitude in healthy people older than 40 years: RCT**
Aurelia Elena Reiser (Schaffhausen, Switzerland), Michael Furian, Aline Buergin, Laura Mayer, Mona Lichtblau, Simon R Schneider, Patrick Bader, Paula Appenzeller, Lara Muralt, Maamed Mademilov, Shoira Aydaralieva, Ainura Abdraeva, Aybermet Muratbekova, Talant Maratbekovich Sooronbaev, Silvia Ulrich, Konrad Ernst Bloch

PA749 **Acetazolamide for Preventing Acute Mountain Sickness in Healthy Older than 40 years. RCT.**
Michael Furian (Zürich, Switzerland), Maamed Mademilov, Ainura Abdraeva, Mona Lichtblau, Ulan Sheraliev, Nuriddin H Marazhapov, Aline Buergin, Konstantinos Bitos, Laura Mayer, Aurelia Reiser, Simon R Schneider, Simone Buenzli, Shoira Aydaralieva, Aybermet Muratbekova, Talant M Sooronbaev, Silvia Ulrich, Konrad E Bloch

PA750 **Impact of Reboxetine plus Oxybutynin treatment for Obstructed Sleep Apnea on the Cardiovascular Autonomic Activity**
Elisa Perger (Milano, Italy), Paolo Castiglioni, Debora Rosa, Stefano Vicini, Paolo Meriggi, Andrea Faini, Laura Pini, Luigi Taranto Montemurro, Carolina Lombardi, Gianfranco Parati

PA751 **Varenicline administration for smoking cessation may reduce apnea hypnea index in sleep apnea patients**
Athanasia Pataka (Thessaloniki, Greece), Christos Frantzidis, Polyxeni Gkivogkli, Christiane Nday, Panteleimon Chriskos, Maria Karagianni, Haris Styliadis, Evangelos Paraskevopoulos, Chrysoula Kourtidou-Papadeli, Panagiotis Bamidis

PA752 **Obstructive sleep apnoe improves on Dupilumab in patients treated for polyposis and severe asthma**
Karl-Christian Bergmann (Berlin, Germany), Torsten Zuberbier

PA753 **Inmediate effect and daily use of a vibrating forehead device in patients with positional apnea.**
Laura Hidalgo Armas (Vitoria, Spain), Sandra Inglés, Rafaela Vaca, José Cordero-Guevara, Joaquín Durán-Carro, Jorge Ullate, Amandine Faucher, Jordi Rigau, Ferrans Barbe, Joaquin Durán-Cantolla

PA754 **Therapy compliance and patient satisfaction of a new vibrating forehead device for positional apnea.**
Laura Hidalgo Armas (Vitoria, Spain), Sandra Ingles, Rafaela Vaca, José Cordero-Guevara, Joaquín Durán-Carro, Jorge Ullate, Amandine Faucher, Jordi Rigau, Ferran Barbe, Joaquín Durán-Cantolla

PA755 **The influence of surgical hyoid bone repositioning on upper airway collapsibility**
Corine Samaha (Beirut, Lebanon), Hiba Tannous, Diane Salman, Joseph Ghafari, Jason Amatoury

PA756 **Late Breaking Abstract - An assessment of medical utilization across procedure codes in patients with sleep apnea and type 2 diabetes**
Caroline Kaszycki (Pittsburgh, United States of America), Qing Gu, Fei Huang, Felix Lam

Pre-congress content Session 108 13:15 - 14:15

E-poster: Respiratory physiotherapy: e-health, activities of daily living and measurement properties of instruments

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

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

Tag(s) : Digital health

Chairs : Tania Janaudis-Ferreira (Montréal (QC), Canada), Ruth E Barker (Warminster, United Kingdom)

PA757 **A cross-sectional study on the use of information technology among people with COPD, in Sweden**
Pernilla Sönnerfors (Stockholm, Sweden), Kirsti Skavberg Roaldsen, Agneta Ståhle, Karin Wadell, Alexandra Halvarsson

PA758 **Evaluation of an online COPD education for healthcare professionals in long-term care, a longitudinal mixed methods study**
Sara Lundell (Umeå, Sweden), André Nyberg, Ulla-Maija Pesola, Åsa Audulv, Karin Wadell

PA759 **Participatory methodologies in a digital setting; experiences of the co-creation of an eHealth tool for people with COPD**
Sara Lundell (Umeå, Sweden), Annika Toots, Pernilla Sönnerfors, Alexandra Halvarsson, Karin Wadell

PA760 **The PLAY test: a new tool to assess activity of daily living in children and adolescents**
Fernanda C. Lanza (Belo Horizonte, Brazil), Jenifer Santos, Jessyca Selman, Ariane Crispim, Karina Souza, Danila Baldini, Anne Holland, Simone Dal Corso

PA761 **Validity and reproducibility of instruments to assess activities of daily living in adults with asthma: preliminary results**
Vitória Cavalheiro Puzzi (Londrina, Brazil), Joice Mara Oliveira, Thainá Bessa Alves, Natielly Soares Correia, Diery Fernandes Rugila, Thamires Spositon, Jéssica Priscila Silva, Jessyca Pachi Rodrigues Selman, Fábio Pitta, Karina Couto Furlanetto

PA762 **Physiological Cost in Daily Life Activities in Lung Cancer**
Melda Saglam (Ankara, Turkey), Hamide Sahin, Naciye Vardar-Yaglı, Kübra Kılıc, Ebru Calık-Kutukcu, Deniz Inal-Ince, Saadettin Kılıckap

PA763 **Methods to assess free-living physical activities intensity in COPD: a systematic review**
Patrícia Filipa Sobral Rebelo (Trancoso, Portugal), Maria Tavares, Mariana Santos, Dina Brooks, Alda Marques

PA764 **Adults with asthma treated with add-on Omalizumab report lower dyspnea in activities of daily living**
Joice Mara Oliveira (Londrina, Brazil), Diery Fernandes Rugila, Jéssica Priscila Conceição Silva, Vitória Cavalheiro Puzzi, Fabio Pitta, Alcindo Cerci Neto, Fatima Mitsie Chibana Soares, Karina Couto Furlanetto

PA765 **Reliability and safety of functional capacity tests in patients with chronic respiratory diseases: remote vs. face-to-face supervision**
Simone Dal Corso (São Paulo (SP), Brazil), Daniel P. Do Amaral, Geórgia Calasans, Anne E. Holland

PA766 **Reliability and validity of the Chester Step Test in people with Interstitial Lung Disease.**
Ana Alves (Leiria, Portugal), Ana Oliveira, Pedro G Ferreira, Alda Marques

PA767 **The minimal detectable change of the Londrina ADL Protocol in individuals with COPD>**
Leticia F. Belo (Londrina (PR), Brazil), Thaís Paes, Vitória Puzzi, Igor Brito, Juliana Micheleti, Thaís Sant'Anna, Fabio Pitta, Nidia Hernandes

PA768 **Reference values and equation for the Upper Extremity Function – Simplified test**
Natielly Soares Correia (Londrina, Brazil), Joice Mara Oliveira, Denner Ildemar Mello, Andrea Akemi Morita, Daniel Martins Pereira, Daniel Pereira Do Amaral, Rafael Mesquita, Fabio Pitta, Simone Dal Corso, Karina Couto Furlanetto

PA769 **MINIMAL IMPORTANT DIFFERENCE OF TWO METHODS FOR ASSESSMENT OF QUADRICEPS FEMORIS STRENGTH IN INDIVIDUALS WITH COPD**
Lais Santin (Londrina, Brazil), Jéssica Fonseca, Raquel Hirata, Nidia Aparecida Hernandes, Fabio Pitta

PA770 **Validity and reproducibility of a simple upper limb functional test in subjects with COPD and asthma**
Natielly Soares Correia (Londrina, Brazil), Joice Mara Oliveira, Diery Fernandes Rugila, Denner Ildemar Melo, Vitória Puzzi, Jessica Priscila Silva, Thainá Bessa Alves, Daniel Martins Pereira, Daniel Pereira Do Amaral, Rafael Mesquita, Simone Dal Corso, Fabio Pitta, Karina Couto Furlanetto

Pre-congress content Session 109 13:15 - 14:15

E-poster: Peripheral muscle function, exercise capacity and functional status in respiratory disease

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Interstitial lung diseases | Airway diseases | Respiratory critical care | Pulmonary vascular diseases | Sleep and breathing disorders | Thoracic oncology

Method(s) : Pulmonary rehabilitation | General respiratory patient care | Imaging | Physiology | Respiratory intensive care | Public health | Surgery

Chairs : Catarina Duarte Santos (Almada, Portugal), Erik Frykholm (Umeå, Sweden)

PA771 **Relationship of quadriceps torque to early post-lung transplant functional recovery after centre-based and tele-rehabilitation**
Lisa Wickerson (Toronto (ON), Canada), Dmitry Rozenberg, Chaya Gottesman, Denise Helm, Lianne Singer, Sunita Mathur

PA772	**Postural balance in COPD with sleep disorders: a cross-sectional controlled study** Caroline Maschio de Censo (São Paulo, Brazil), Viviane Vieira Passini, Barbara Aparecida Teodoro Alcantara Verri, Eloise Arruda Dos Santos, Regina Maria De Carvalho-Pinto, Rafael Stelmach, Geraldo Lorenzi-Filho, Rafaella Fagundes Xavier, Celso Ricardo Fernandes Carvalho
PA773	**Are pulmonary and extra-pulmonary features affected in patients with Beta-thalassemia?** necla Başkurt (famagusta, Cyprus), Ozge Ozalp, Ayşe Volkan
PA774	**The Effect of Delayed Onset Muscle Soreness on Pulmonary Function Parameters and ExerciseCapacity in Healthy Subjects** Sema Ozden (Nicosia, Cyprus), Ozge Ozalp, H. Baran Yosmaoglu
PA775	**Inflammatory responses to incremental exercise in chronic obstructive pulmonary disease** Aslihan Cakmak (Ankara, Turkey), Deniz Inal-Ince, Elif Kocaaga, Ipek Baysal, Samiye Yabanoglu-Ciftci, Emirhan Nemutlu, Lutfi Coplu
PA776	**Investigating risk factors for falls post-thoracic surgery in people with lung cancer** Daniel Tough (Middlesbrough, United Kingdom), Jonathan Robinson, John Dixon, Joel Dunning, Jonathan Ferguson, Ian Paul, Samantha L Harrison
PA777	**ASSOCIATION OF EXERCISE CAPACITY AND ENDOTHELIAL FUNCTION IN PATIENTS WITH FIBROSING INTERSTITIAL LUNG DISEASE** Carina Nunes (São Paulo (SP), Brazil), Regiane Arruda, Frederico Cruz, Fernanda Consolin, Shane Philips, Luciana Sampaio
PA778	**Functional performance in non-COPD chronic respiratory diseases: a systematic review** Camile Zamboti (LONDRINA, Brazil), Thatielle Garcia, Larissa Dragoneti Bertin, Gabriela Garcia Krinski, Heloise Angelico Pimpão, Heloiza Almeida, Brunna Luiza Tavares, Marcos Ribeiro, Vinicius Cavalheri, Fabio Pitta, Carlos Augusto Camillo
PA779	**Comparison of exercise capacity, physical activity level and quality of life in patients with different severity of non-cystic fibrosis bronchiectasis>** Melike Mese (İZMIR, Turkey), Sema Savcı, Buse Ozcan Kahraman, Aylin Tanriverdi, Damla Gunduz, Can Sevinc
PA780	**Relationship between self-efficacy and physical functioning in patients with COPD>** Astrid Blondeel (Leuven, Belgium), Heleen Demeyer, Sofie Breuls, Marieke Wuyts, Lies Glorie, Nikolaas De Maeyer, Thessa Verniest, Wim Janssens, Thierry Troosters
PA781	**Exercise capacity, peripheral muscle strength, and balance are related in primary ciliary dyskinesia** Hazal Sonbahar Ulu (Ankara, Turkey), Aslihan Cakmak, Deniz Inal Ince, Melda Saglam, Naciye Vardar Yagli, Ebru Calik Kutukcu, Hayriye Ugur Ozcelik
PA782	**Does loss of automaticity influence dual task cost walking velocity in COPD patients?** S Ahmed Hassan (Toronto (ON), Canada), Leandro V Bonetti, Karina Kasawara, Matthew B Stanbrook, Antenor Rodrigues, Dmitry Rozenberg, Wendy Darlene Reid
PA783	**Relationship between functional capacity and activities of daily living, quality of life, psychosocial status and frailty in medical intensive care unit patients** Naciye Vardar Yağlı (Ankara, Turkey), SELMAN KILIÇ, Melda Saglam, Deniz Inal Ince, Ebru Ortac Ersoy, Arzu Topeli
PA784	**Association between physical functioning and food intake of patients with COPD** Isis Grigoletto (Pirapozinho, São Paulo, Brazil), Juliana Souza Uzeloto, Bruna Spolador De Alencar Silva, Dionei Ramos, Paulo Roberto Gomes, Fabiano De Lima, Ercy Mara Cipulo Ramos
PA785	**Frailty and functional capacity of interstitial lung diseases patients** Pierre-François Tremblay Labrecque (Québec, Canada), Jany Harvey, Geneviève Dion, Didier Saey
PA786	**A comparison of arm exercise capacity and activities of daily living between well-controlled asthma patients with and without severe fatigue during daily life** Aslihan Cakmak (Ankara, Turkey), Beyza Nur Karadüz, Ebru Calik-Kutukcu, Deniz Inal Ince, Naciye Vardar-Yagli, Melda Saglam, Haluk Tekerlek, Cemile Bozdemir-Ozel, Hazal Sonbahar-Ulu, Merve Firat, Hulya Arikan, Gul Karakaya
PA787	**Functional status following pulmonary rehabilitation in patients with interstitial lung disease** Guilherme Rodrigues (Aveiro, Portugal), Sara Souto-Miranda, Vânia Rocha, Pedro Ferreira, Alda Sofia Pires De Dias Marques
PA788	**Investigation of Relationship Between Lower Extremity Muscle Strength, Physical Activity and Endurance Capacity in Pulmonary Hypertension** Özge Ertan (İstanbul, Turkey), Goksen Kuran Aslan, Buket Akinci, Ahmet Kaya Bilge, Murat Inanc, Gulfer Okumus

PA789 **Characterization and association between fat mass and fat-free mass ratio with clinical characteristics in asthmatic adults**
Felipe Machado (Horn, Netherlands), Thainá Bessa Alves, Diery Fernandes Rugila, Joice Mara Oliveira, Natielly Soares Correia, Natália Febrini Piassi Passos, Patrícia Duarte Freitas, Fábio Pitta, Celso Ricardo Fernandes Carvalho, Karina Couto Furlanetto

Pre-congress content Session 110 13:15 - 14:15

E-poster: Inhaled treatments for COPD: clinical trials and real-world studies

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Disease(s) : Airway diseases

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

Chairs : Alexander Mathioudakis (Stockport, United Kingdom), Bilun Gemicioglu (Istanbul, Turkey)

PA790 **Relationship between baseline rescue medication use and reductions in COPD exacerbation rates: a subgroup analysis of the ETHOS trial**
John R Hurst (London, United Kingdom), Meilan Han, Bartolome R Celli, Mona Bafadhel, Martin Jenkins, Paul Dorinsky, Mehul Patel

PA791 **Benefits of triple therapy in moderate, severe, and very severe COPD: subgroup analysis of the ETHOS trial**
Klaus F. Rabe (Kiel, Germany), Gary T Ferguson, Martin Jenkins, Mehul Patel, Paul Dorinsky

PA792 **Risk factors for all-cause mortality in patients with COPD: results from the ETHOS trial**
Gary T. Ferguson (Farmington Hills, United States of America), Dave Singh, Klaus F Rabe, Martin Jenkins, Mehul Patel, Paul Dorinsky

PA793 **The association between health-related quality of life and COPD exacerbations measured by EQ-5D-5L in the ETHOS trial**
Dan Jackson (Cambridge, United Kingdom), Dan Jackson, Martin Jenkins, Enrico De Nigris, Mehul Patel, Mario Ouwens

PA794 **Predicting SGRQ score based on CAT score: post-hoc analysis of the IMPACT trial**
Paul Jones (London, United Kingdom), Soham Shukla, Lee Tombs, Afisi Ismaila, Alan Martin, Dawn Midwinter, Isabelle Boucot, Nancy Risebrough, Claus Vogelmeier

PA795 **Factors influencing LAMA addition to COPD patients receiving ICS/LABA in clinical practice-RETRIEVE study.**
Stavros Tryfon (Thessaloniki, Greece), Georgios Krommidas, Athanasios Kapetangiorgis, Maria Bertoli, Polyanthi Papanastasiou

PA796 **Lung function and reported dyspnea in Greek COPD patients under treatment with fluticasone/salmeterol FDC via Elpenhaler device with or without cardiovascular comorbidity - AEOLOS study.**
Maria Bertoli (Pikermi, Greece), Stavros Tryfon, Paschalis Steiropoulos, Alexandros Ginis, Maria Bertoli

PA797 **Improvements in lung function with umeclidinium/vilanterol analysed by reversibility at screening: a post hoc analysis of the EMAX trial**
Leif Bjermer (Lund, Sweden), Claus F. Vogelmeier, Edward M. Kerwin, Isabelle H. Boucot, François Maltais, Lee Tombs, Chris Compton, David A. Lipson, Paul W. Jones

PA798 **Inhaled corticosteroid use and its association with Pseudomonas aeruginosa infection in COPD**
Hanaa Shafiek (Alexandria, Egypt), Javier Verdú, Carla López-Causapé, Amanda Iglesias, Lluisa Ramon-Clar, Carlos Juan, Nuria Toledo-Pons, Antonio Oliver, Borja García Cosío Piqueras

PA799 **Are COPD prescription patterns aligned with guidelines? a population-based study**
Taraneh Bahremand (Vancouver, Canada), Mahyar Etminan, Nardin Roshan-Moniri, Mary A. De Vera, Hamid Tavakoli, Mohsen Sadatsafavi

PA800 **Clinical and economic impact of inhaled corticosteroid withdrawal in Spanish COPD patients treated with triple therapy**
Victoria Neches (Tres Cantos, Spain), Laura Amanda Vallejo-Aparicio, Afisi Ismaila, Antoni Sicras-Mainar, Aram Sicras-Navarro, Cruz González, Rafael Cuervo, Soham Shukla, Marcos Garcia-Peñuela

Pre-congress content Session 111 13:15 - 14:15

E-poster: COVID – 19: treatments and predictive factors

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Respiratory critical care Thoracic oncology

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

Tag(s) : COVID

Chairs : Eva Van Braeckel (Ghent, Belgium), Andrea Gramegna (Milano (MI), Italy)

PA801	**Pathogenetic treatment of patients with new coronavirus infection COVID-19** Nikolai Nikolenko (Moscow, Russian Federation), Ludmila Shovkun, Dmitry Kudlay, Elena Kampos
PA802	**The first experience of anti-IL6 administration for COVID-19 infection** Alexander Vizel (Kazan (Republic of Tatarstan), Russian Federation), Diana Abdulganieva, Ainagul Bayalieva, Irina Vizel
PA803	**A single centre study of COVID-19 patients: correlation with DDIMER and outcomes** Indrajit Sau (Sutton Coldfield, United Kingdom), Ehsaan Qureshi, Muhammad Arif Khalil, Stanley Ejiofor
PA804	**Impact of viral load on mortality in hospitalized patients affected by Covid-19 infection.** Cosimo Carlo De Pace (Foggia, Italy), Donato Lacedonia, Giulia Scioscia, Anna Del Colle, Elena Minenna, Maria Rosaria De Carlo, Maria Giovanna Palumbo, Maria Pia Foschino-Barbaro
PA805	**Predicting role of coagulation parameters in Covid-19** Sarra Maazaoui (Tunis, Tunisia), Imen Nouira, Safa Marzouki, Sonia Habibech, Mariem Chaabane, Hajer Racil, Nawel Chaouch, imen nouira
PA806	**Obesity in patients with COVID-19: is it a predictive factor for a poor prognosis?** Rihab Jebali (ARIANA, Tunisia), Sabrine Louhaichi, Ikbel Khalfallah, Sabrine Elfidha, Line Kaabi, Safa Marzouki, Med.Ali Kharrat, Jamel Ammar, Besma Hamdi, Agnès Hamzaoui
PA807	**Recovery from Respiratory Failure in Patients with COVID-19** Miraç Öz (Ankara, Turkey), Serhat Erol, Aslıhan Gürün Kaya, Özlem Işık, Fatma Çiftci, Güle Çınar, Çağlar Uzun, Alpay Azap, Akın Kaya, Özlem Özdemir Kumbasar
PA808	**Does D-dimer levels on admission predicts venous thromboembolism in patients with COVID-19?** Sabrine Louhaichi (Ariana, Tunisia), Mariem Ferchichi, Ikbelle Khalfallah, Nouha Boubaker, Safa Belkhir, Jamel Ammar, Besma Hamdi, Agnès Hamzaoui
PA809	**Predictive factors for disease progression in moderate to severe COVID-19 patients** Nouha Boubaker (Nabeul, Tunisia), Sabrine Louhaichi, Ikbel Khalfallah, Safa Belkhir, Mariem Ferchichi, Jamel Ammar, Besma Hamdi, Agnès Hamzaoui
PA810	**Does CT scan really predict severity in covid.19patients?** HASSENE BAILI (sousse, Tunisia), HASSENE BAILI, Imene Touil, Jihene Chelly, Amira Omrane, Soumaya Bouchareb, Jihene Ayeb, Souhir Kessissa, Fatma Elaarbi, Lamia Bouzgarrou, Nadia Keskes Boudawara, Jalel Knani, Leila Boussoffara
PA811	**Characteristics of COVID-19 infection in diabetics** Houda Snène (Tunis, Tunisia), Wafa Fenina, Hana Blibech, Donia Belkhir, Meriem Maalej, Issraa El Wadhane, Aymen Jebali, Ahmed Laater, Nadia Mehiri, Nozha Ben Salah, Bechir Louzir
PA812	**Alpha 1-Antitrypsin deficiency (AATD) in patients with ARDS consequent to SARS-CoV-2 infection.** Andrea Vianello (Padova (PD), Italy), Fausto Braccioni, Gabriella Guarnieri, Beatrice Molena, Alessia Achille, Sara Lococo, Leonardo Salviati, Ernesto Crisafulli, Leonardo Bertagna De Marchi, Marco Caminati, Gianenrico Senna
PA813	**Inflammatory biomarkers as predictors of intubation and mortality in severe COVID-19** Diego Alexis García Estudillo (mexico, Mexico), Ángel Emmanuel Vega-Sánchez, Jorge Rojas-Serrano, Mayra Edith Mejía-Ávila, Heidegger Norberto Mateos-Toledo, Andrea Estrada-Garrido, Jonathan Saúl Castillo-Pedroza
PA814	**Interleukin 6, as a « Target Molecule » ,in the Assessement of The Severity of SARS-2 COVID Infection** ASMA SAIDANE (TUNIS, Tunisia), Selsabil Daboussi, Samira Mhamdi, Asma/khalil Riahi/bahri, Islem Mejri, Chiraz Aichaouia, Zied Moatameri, Mohsen Khadhraoui
PA815	**Dexamethasone in patients hospitalized with COVID-19: a NNT and NNH analysis of RECOVERY study** Luigino Calzetta (Roma (RM), Italy), Marina Aiello, Paola Rogliani, Alfredo Chetta
PA816	**Halotherapy and Covid-19: an oppinion for a possible future prevention approach** Radu Adrian Crisan-Dabija (Iasi (Iasi), Romania), Claudia Elena Grigoras-Ichim, Alina Costina Luca, Gabriel Ioan Sandu, Dumitru Filipeanu

PA817 **Experience of olokizumab use in COVID-19 patients**
Galina Ignatova (Chelyabinsk, Russian Federation), Galina Ignatova, Semen Zotov

PA818 **The practice of empiric antibiotic therapy in patients with coronavirus disease 2019 (COVID-19).**
Oxana Fesenko (Moscow, Russian Federation)

PA819 **Late Breaking Abstract - Correlation of CT severity score and Inflammatory markers to predict the disease severity in COVID 19 patients**
Abhijeet Lonsane (Pune, India), R.K. Chopra, Mohanakrishnan Jayamani

PA820 **Late Breaking Abstract - Covid Oximetry AT Home - A novel pandemic approach**
Saagar Patel (Manchester (Greater Manchester), United Kingdom), Malapanjudi Chandrashekar, Kaley Whelan, James Wallace

Pre-congress content Session 112 13:15 - 14:15

E-poster: New insight into the immunology of allergies, asthma and COPD: from mouse to man

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases

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

Chairs : Lena Uller (Lund, Sweden), Peter Gibson (Newcastle, Australia)

PA821 **Molecular characterization of bronchoconstriction induced by activated T cells**
Akio Mori (Sagamihara (Kanagawa prefecture), Japan), Satoshi Kouyama, Miyako Yamaguchi, Chiemi Kumitani, Akemi Ohtomo-Abe, Yuichiro Kawasaki, Keisuke Iwamoto, Koichi Yano, Maki Iwata, Kisako Nagayama, Kai Ryu, Yuto Nakamura, Yuto Hamada, Kentaro Watai, Yosuke Kamide, Kiyoshi Sekiya, Yuma Fukutomi, Takayuki Ohtomo, Osamu Kaminuma

PA822 **Peculiarities of lipoperoxidation processes in chronic obstructive pulmonary disease associated with multiple myeloma**
Olga Smirnova (Krasnoyarsk, Russian Federation), Olga Smirnova

PA823 **ILC2 cells from severe allergic and eosinophilic asthma demonstrate increased expression of TSLP receptor (TSLPR) and enhanced proliferative capacity.**
Bilal Malik (Newcastle, Australia), Rebecca Mckerrow, John Harrington , John W. Upham, Nathan Bartlett, Peter Ab Wark

PA824 **Does parental tuberculosis infection increase the risk of asthma in their offspring? A Norwegian registry-based study**
Juan Pablo López-Cervantes (Bergen, Norway), Rajesh Shigdel, Tehmina Mustafa, Cecilie Svanes

PA825 **Correlation of eotaxin-3 gene expression and other IL-13-induced genes in patients with asthma**
Simon Couillard (Sherbrooke, Canada), James Melhorn, Akul Singhania, Daniel Horowitz, Ratko Djukanović, Christpher H Woelk, Timothy S C Hinks

PA826 **Effects of anti-IL-17 on inflammation and oxidative stress in an ASTHMA-COPD overlap syndrome (ACO) model**
Nilo Martins (São Paulo, Brazil), Leandro D. N. Camargo, Francine M. D. Almeida, Juliana Lourenço, Suellen Bezerra, Tabata M.D. Santos, Silvia Fukuzaki, Fernanda D. T. Q. D. S. Lopes, Milton M. Martin, Edna A. Leick, Renato F. Righetti, Carla M. Prado, Iolanda D. F. L. C.Tibério

PA827 **Identifying eosinophil subsets in a mouse model of pollutant-aggravated allergic asthma**
Annelies Bontinck (Gent, Belgium), Joyceline De Volder, Mirjam P. Roffel, Guy G. Brusselle, Guy F. Joos, Tania Maes

PA828 **The effect of IL-33 and IL-25 on the rhinovirus-induced susceptibility of the lung vascular endothelium to SARS-CoV-2, MERS and 229E coronaviral infections**
Maciej Chalubinski, Izabela Gulbas, Mateusz Gawrysiak, Robert Szewczyk, Adrian Gajewski, Marek L. Kowalski

PA829 **Traffic-related air pollution induces mitochondrial oxidative stress and transgenerational mitochondrial dysfunction**
Baoming Wang (st lenoards, Australia), Yik Chan, Ayad Anwer, Sonia Saad, Hui Chen, Brian Oliver

PA830 **Mast cell chymase induce functional and morphological alterations in bronchial epithelial cells**
Frida Berlin (Lund, Sweden), Sofia Mogren, Lena Uller, Cecilia Andersson

PA831	**Thymic stromal lymphopoietin (TSLP) as a local biomarker of hypertrophic changes in the synonasal mucosa in children with atopic bronchial asthma (BA) and allergic rhinitis (AR)** Igor A. Klimanov (Moscow, Russian Federation), S. Soodaeva, Nikolay Eruslankin, Dmitriy. Ovsyannikov, Pavel. Frolov, Tatyana Eliseeva, Svetlana Krasilnikova, M. Glukhova, L. Nikitina
PA832	**Hypertrophic and polyposis synonasal mucosa (SM) changes in children with atopic bronchial asthma (BA) and allergic rhinitis (AR)** Igor A. Klimanov (Moscow, Russian Federation), Nikolay Eruslankin1, Anastasija Vagina, Tatyana Eliseeva, Svetlana Krasilnikova, Vilya Bulgakova, Ivan Balabolkin, M. Glukhova, L. Nikitina, S. Soodaeva
PA833	**Interleukin-10 expressing regulatory B cells are decreased in blood of smokers and COPD patients** Merel Jacobs (Gent, Belgium), Sven Verschraegen, Bihiyga Salhi, Guy Brusselle, Ken Bracke
PA834	**IL-33 may augment the effect of rhinovirus HRV16 on the inflammatory activity of human lung vascular endothelium – possible implication for asthma exacerbations.** Adrian Gajewski (Łódź, Poland), Mateusz Gawrysiak, Robert Szewczyk, Marek L. Kowalski, Maciej Chałubiński
PA835	**Respiratory syncytial-virus induced cytokine production from leukocytes is impaired in severe asthma** Kaschin Jamal Jameel (Bochum, Germany), Sarah Yanik, Eike Bülthoff, Simon Rohde, Daniel Weidinger, Faisal Yusuf, Juliane Kronsbein, Matthias Tenbusch, Jürgen Knobloch
PA836	**Different paterns of autoAbs in asthma-COPD overlap cogort.** Anna Konishcheva (Moscow, Russian Federation), Valentina Gervazieva, Galina Osipova , Tatiana Ospelnikova, Daria Fomina
PA837	**Interferon-dependant and immune cell-based mechanisms of antiviral resistance of the human lung vascular endothelium infected with rhinovirus HRV16** Mateusz Gawrysiak (Lodz, Poland), Adrian Gajewski, Robert Szewczyk, Mateusz Kobierecki, Michał Szymański, Izabela Gulbas, Aleksandra Likońska, Sylwia Michlewska, Marek L. Kowalski, Maciej Chałubiński
PA838	**LSC - 2021 - Mesenchymal stromal cells reduce house dust mite induced allergic airway inflammation in a humanise d MIF expressing mouse model** Ian Hawthorne (Maynooth, Ireland), Hazel Dunbar (Hazel.dunbar.2015@mumail.ie / Cellular Immunology Laboratory, Department of Biology, Maynooth University,Maynooth), Seamas Donnelly (Seamas.donnelly@tcd.ie / Department of Medicine, Trinity College Dublin and Tallaght Hospital,Dublin), Karen English (Karen.english@mu.ie / Cellular Immunology Laboratory, Department of Biology, Maynooth University,Maynooth)

Pre-congress content Session 113 13:15 - 14:15

E-poster: Bronchoscopy in the COVID - 19 era: cryobiopsy

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

Method(s) : Endoscopy and interventional pulmonology | Surgery | General respiratory patient care | Respiratory intensive care | Pulmonary function testing

Tag(s) : COVID

Chairs : Preyas Vaidya (Navi Mumbai, India), Arschang Valipour (Wien, Austria)

PA839	**Pneumology in COVID-19 times: facing misleading diagnosis** Javier Poyo Molina (Mutilva, Spain), Javier Poyo Molina, Koral Fernández De Roitegui Pérez, Clara Ortega Michel, Irantzu Elorza Sagasta, Miguel Ángel Sánchez De Toro, Paula Bordallo Vázquez, Blanca Virgala Ocio, Leire Álvarez Peña, David Bravo Blanco, Francisco Javier Ribas Solís, Laura Tomás López
PA840	**Accuracy of the multidisciplinary diagnosis of COVID-19 in patients with negative nasopharyngeal swabs RT-PCR, evaluated using BAL as diagnostic gold standard.** Sara Tomassetti (Florence, Italy), Valentina Luzzi, Giulia Biadene, Guja Bernacchi, Leonardo Gori, Sonia Bambina, Marco De Martino, Edoardo Cavigli, Diletta Cozzi, Vittorio Miele, Gianmaria Rossolini, Simona Pollini, Cosimo Nardi, Anna Peired, Alessandro Morettini, Carlo Nozzoli, Adriana Poggesi, Lorenzo Menicacci, Valentina Scotti, Giogia Falchetti, Elias Romano, Ombretta Para, Lorenzo Caruso, Federico Lavorini
PA841	**Bronchoscopy findings in COVID-19 patients requiring ECMO-VV** Toni Marín (Badalona (Barcelona), Spain), Pere Serra, Rachid Tazi Mezalek, Carmen Centeno, Marina Compte, Sergi Martinez, Eduardo Coluccio, Pilar Ricart, Felipe Andreo, Jorge Abad, Antoni Rosell

PA842	**ENDOBRONCHIAL VALVE POSITIONING FOR ALVEOLAR-PLEURAL FISTULA COMPLICATING SEVERE COVID-19 PNEUMONIA** Filippo Gozzi (Modena, Italy), Roberto Tonelli, Dario Andrisani, Ivana Castaniere, Pierluigi Donatelli, Fabiana Trentacosti, Mariarosaria Pellegrino, Giulia Bruzzi, Linda Manicardi, Antonio Moretti, Chiara Nani, Caterina Cerbone, Morgana Vermi, Alessandro Andreani, Gaia Cappiello, Enrico Clini, Alessandro Marchioni
PA843	**Sedative medications in COVID-19 positive ARDS patients undergoing tracheostomy** Christopher Kapp (Baltimore, United States of America), Ardian Latifi, Andrew Demaio, David Feller-Kopman
PA844	**Bronchoscopy in COVID-19 ARDS patients on mechanical ventilation: a prospective study** Sameer Bansal (Navi Mumbai (Maharashtra), India), Ravindra Mehta, Ashwin Kumar, Anmol Thorbole, Chakravarthi L, Hariprasad Kalpakam
PA845	**Bronchoscopy safety box and its utility as a barrier to COVID-19** Sameer Arbat (Nagpur (Maharashtra), India), Ashok Arbat, Parimal Deshpande, Swapnil Bakamwar, Gauri Gadge
PA846	**Straight to Medical thoracoscopy approach for undiagnosed pleural effusions – adapting to the COVID era** Maged Hassan (Alexandria, Egypt), Anwar El-Ganady
PA847	**HISTOLOGICAL FINDINGS IN TRANSBRONCHIAL CRYOBIOPSIES OBTAINED FROM PATIENTS AFTER COVID-19** Jose David Cardoso Landivar (BARCELONA, Spain), Mario Culebras Amigo, Karina Loor, Antonio Alvarez, Irene Sansano, David Clofent, Xavier Muñoz, Eva Polverino, Almudena Felipe, Se-Covid-19 Team
PA848	**Evaluation of a transbronchial cryoprobe for the ablation of pulmonary nodules – a pilot study** Daniel Hammer (Budapest, Hungary), Péter Horváth
PA849	**Mucosal cryobiopsies – a new method for studying airway pathology in asthma** Morten Hvidtfeldt (København V, Denmark), Alexis Pulga, Asger Sverrild, Caroline Sanden, Carl Magnus Clausson, Daisy Bornesund, Jonas Erjefält, Celeste Porsbjerg
PA850	**Value of cryobiopsy in non-intersticial diseases** IRENE MILAGROS DOMINGUEZ ZABALETA (Madrid, Spain), Paola Antonella Benedetti, Walther Ivan Giron Matute, Alicia Oliva Ramos, Luis Puente Maestu, Jose Javier Garcia Lopez
PA851	**Feasibility study of targeted cryobiopsy in patients with peripheral pulmonar nodules with the novel 1.1 mm cryoprobe without removing the bronchoscope or guide sheath.** Markus Hofer (Zürich, Switzerland), Damian Gruber, Dieter Erdin, Simone Braun Semadeni, Sieghart Filippi, Maik Häntschel, Jürgen Hetzel
PA852	**Predictors of pneumothorax after transbronchial lung cryobiopsy for diagnosis of interstitial lung diseases** Ana Catarina Gouveia Cardoso (Vila Nova de Famalicão, Portugal), Mariana Serino, David Barros Coelho, Susana Guimarães, Conceição Souto Moura, Patrícia Caetano Mota, Natália Melo, José Miguel Pereira, Rui Cunha, André Carvalho, António Morais, Helder Novais-Bastos
PA853	**Safety and performance of transbronchial cryobiopsy for peripheral lung lesions** Christopher Kapp (Baltimore, United States of America), Felix Herth, Max Mayer, Jeffrey Thiboutot, Ralph Eberhardt, Jiayuan Sub, Jonas Herth, Konstantina Kontogianni, Lonny Yarmus
PA854	**To compare effect of Dexmedetomidine and low dose propofol on VAS (visual Analog Score) for cough post flexible Bronchoscopy** Vijay Narain Tyagi (Meerut (Uttar Pradesh), India), Shivkant Agarwal, Prashant Bendre, Amit Garg, Manisha Narain Tyagi, Manya Narain Tyagi
PA855	**Multimodality endoscopic treatment for tracheobronchial stenosis secondary to endobronchial tuberculosis** Nai Chien Huan (Kajang, Malaysia), Khai Lip Ng, Fatimah Azmah Mohammad, Nur Husna Mohd Aminudin, Noorul Afidza Muhammad, Ummi Nadira Daut, Mona Zaria Nasaruddin, Jamalul Azizi Abdul Rahaman
PA856	**Outcomes of bronchial artery embolization for the management of hemoptysis** Nada Gader (nabeul, Tunisia), Narjes Abid, Manel Loukil, Ines Laouini, Slim Kalboussi, Khaled Bouzaidi, Hedia Ghrairi
PA857	**Endobronchial treatment for post-pneumonectomy bronchopleural fistula** Güntuğ Batıhan (Izmir, Turkey), Kenan Can Ceylan, Seyda Örs Kaya

Pre-congress content Session 114 13:15 - 14:15

E-poster: Emerging new mechanisms of chronic lung disease

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

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

Chairs : Charalambos Michaeloudes (London, United Kingdom), Aleksandra Szczepankiewicz (Pozna , Poland)

PA858	**Mitigation of hippocampal cellular apoptosis and neuroinflammation after MV by diaphragm neurostimulation.** Thiago Bassi (Burnaby, Canada), Elizabeth Rohrs, Karl Fernandez, Michelle Nicholas, Marlena Ornowska, Matt Gani, Doug Evans, Steve Reynolds
PA859	**Rapamycin reduces eosinophilopoiesis through suppression of IL-5 production by bone marrow ILC2s** Emma Boberg (Gothenburg, Sweden), Julie Weidner, Carina Malmhäll, Jenny Calvén, Carmen Corciulo, Madeleine Rådinger
PA860	**Short-range interactions between fibrocytes and CD8+ T cells modulate the balance between tissue repair and destruction in COPD** Edmée Eyraud (Bordeaux, France), Elise Maurat, Pierre Vallois, Florian Levet, Jean-Baptiste Sibareta, Pierre-Olivier Girodet, Matthieu Thumerel, Cecile Contin-Bordes, Patrick Berger, Isabelle Dupin
PA861	**Innate lymphocytes -ILC2- might be the drivers of T2-high nonatopic asthma in children** Matteo Bonato (Padova, Italy), Erica Bazzan, Deborah Snijders, Graziella Turato, Martina Turrin, Manuel G Cosio, Angelo Barbato, Marina Saetta, Simonetta Baraldo
PA862	**Mast cell-derived serotonin enhances methacholine-induced airway hyperresponsiveness in house dust mite-induced experimental asthma** Erika Haide Mendez (SE-751 23, Sweden), Perla Abigail Alvarado Vazquez, Willem Abma, Oscar Simonson, Sergey Rodin, Thorsten B. Feyerabend, Andrei Malinovschi, Christer Janson, Mikael Adner, Jenny Hallgren
PA863	**Senescent human bronchial epithelial cells induce small airway fibrosis in mice** Nayuta Saito (Barcelona, Spain), Fernanda Ines Hernandez, Federico Pietrocola, Manuel Serrano
PA864	**Mitochondrial DNA stress activates MHC class I antigen presentation and CD8+ T-cell immunity: implications for pulmonary fibrosis** Xinyuan Wang (Munich, Germany), Thomas Meul, Ilona Kammerl, Yuqin Wang, Christoph Mayr, Herbert B. Schiller, Silke Meiners
PA865	**Cytogenetic analysis in peripheral blood lymphocytes from asthmatic patients with different severity** Andrey Evgenievich Lintsov (Saint-Peterburg, Russian Federation), Pavel Slizhov, Alisher Soliev, Sergey Shevelev, Victor Mikhelson
PA866	**New possibilities for modifying the course of chronic obstructive pulmonary disease: the effect of tiotropium bromide on certain pathogenetic links of neocollagenogenesis of the bronchial tree** Mariana Kulynych-Miskiv (Galych, Ukraine), Mykola Ostrovskyy, Ksenia Ostrovska, Vasyl Miskiv, Iryna Savelikhina, Oleksandr Varunkiv, Kostiantyn Shvets
PA867	**The pIgR-IgA system as a new player in lung fibrosis** Thomas Planté-Bordeneuve (Ottignies, Belgium), Thomas Planté-Bordeneuve, Charles Pilette, Yousof Yakoub, Marylène Lecocq, François Huaux, Antoine Froidure
PA868	**Genetic deletion of SLPI promotes inflammatory cell recruitment in a model of chronic lung disease** Ryan Brown (Belfast, United Kingdom), Peter Ferris, Caoifa Dougan, Rebecca Delaney, Marcus A. Mall, Sinéad Weldon, Clifford C. Taggart
PA869	**Immunoproteasome function as a potential biomarker for asthma severity and response to therapy** Lex Kaiser (Munich, Germany), Sophie Hardy, Marion Frankenberger, Katrin Milger, Silke Meiners
PA870	**Exhausted T lymphocytes in chronic obstructive pulmonary disease: single-cell analysis of human lung tissue** Sun Hye Shin (Seoul, Republic of Korea), Kyu-Tae Kim, Kyung Yeon Han, Jiseon Kim, Donghyun Park, Na Hyun Kim, Chang-Ho Shon, Jin-Young Huh, Sei Won Lee, Hye Yun Park
PA871	**LSC - 2021 - Epidermal growth factor receptor in airway remodelling during allergic airway disease – divergent role s during early life and adulthood?** Helen Stölting (London, United Kingdom), Simone A. Walker (s.walker@imperial.ac.uk / National Heart and Lung Institute, Imperial College London,London), Franz Puttur (f.puttur@imperial.ac.uk / National Heart and Lung Institute, Imperial College London,London), Sejal Saglani (s.saglani@imperial.ac.uk / National Heart and Lung Institute, Imperial College London,London), Clare M. Lloyd (c.lloyd@imperial.ac.uk / National Heart and Lung Institute, Imperial College London,London)

PA872 **Functional state of erythrocytes in chronic obstructive pulmonary disease on the background of COVID-19, ways of correction**
Lilia Todoriko (Chernivtsi, Ukraine), Mykola Gumeniuk, Ihor Semianiv, Tania Sprynsian, Olexandr Denisov

PA873 **The commensal bacterium Rothia mucilaginosa has anti-inflammatory properties in vitro and in vivo, and negatively correlates with sputum pro-inflammatory markers in chronic airway disease.**
Aurélie Crabbé (Ghent, Belgium), Charlotte Rigauts, Juliana Aizawa, Steven Taylor, Geraint Rogers, Matthias Govaerts, Paul Cos, Lisa Ostyn, Sarah Sims, Eva Vandeplassche, Mozes Sze, Yves Dondelinger, Lars Vereecke, Heleen Van Acker, Jodie Simpson, Lucy Burr, Anne Willems, Michael Tunney, Cristina Cigana, Alessandra Bragonzi, Tom Coenye

PA874 **Resistin, 8-isorpostanes and stress right ventricular diastolic dysfunction - predictors for exacerbations in non-severe chronic obstructive pulmonary disease patients**
Radostina Cherneva (Sofia, Bulgaria), Zheyna Cherneva

Pre-congress content Session 115 13:15 - 14:15

E-poster: Asthma clinical trials and real-life studies

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Disease(s) : Airway diseases

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

Chairs : David J Jackson (London, United Kingdom), Imran Satia (Hamilton, Canada)

PA875 **A stepped treatment algorithm for chronic respiratory disease using budesonide-formoterol in a rural healthcare setting in Vietnam**
Erick Huang (Sydney, Australia), Greg Fox, Ngoc Yen Pham, Thu Anh Nguyen, Van Giap Vu, Phuong Phan Thu, Quy Chau Ngo, Viet Nhung Nguyen, Guy Marks

PA876 **Tezepelumab efficacy in patients with severe, uncontrolled asthma and comorbid nasal polyps in NAVIGATOR**
Andrew Menzies-Gow (London, United Kingdom), Jonathan Corren, Elliot Israel, Tobias Welte, Christopher S Ambrose, Bill Cook, Gillian Hunter, Jean-Pierre Llanos-Ackert, Gene Colice

PA877 **Association between Th2 biomarker levels and efficacy of house dust mite sublingual allergy immunotherapy in adults with allergic asthma**
Marianne Witten (Hørsholm, Denmark), Ilka Hoof, Thomas Stranzl, Stephanie Brand, Mohamed H. Shamji, Eric D. Bateman, Eugene R. Bleecker, Peter S. Andersen

PA878 **Characteristics of super-responders to anti IL-5 biologics in a nationwide Danish severe asthma cohort**
Marianne Baastrup Soendergaard (København N, Denmark), Susanne Hansen, Ole Hilberg, Charlotte Suppli Ulrik, Karin Dahl Assing, Alexandra Wimmer-Aune, Anne-Sofie Bjerrum, Lycely Calderon Dongo, Muzhda Ghanizada, Christian Wølhk, Celeste Porsbjerg

PA879 **BIOLOGICS SWITCH IN SEVERE EOSINOPHILIC ASTHMA**
Gabriella Guarnieri (Padova (PD), Italy), Marco Caminati, Diego Bagnasco, Fulvia Chieco Bianchi, Elisiana Carpagnano, Matteo Maule, Beatrice Molena, Girolamo Pelaia, Laura Pini, Gianenrico Senna, Andrea Vianello, Ernesto Crisafulli

PA880 **Effect of dupilumab on improving physical activity in patients with severe asthma**
Yi Zhang (Tarrytown, United States of America), Lawrence Sher, Santiago Quirce, Giovanni Passalacqua, Camille Taillé, Lauren Cohn, Nadia Daizadeh, Nami Pandit-Abid, Benjamin Ortiz, Asif H. Khan

PA881 **Staphylococcal Enterotoxins sensitization and response of Omalizumab in severe atopic and non atopic asthma**
Nicolas Migueres (Strasbourg, France), Anh Poirot, Nan Zhang, Claus Bachert, Frédéric De Blay

PA882 **Severe asthma and biologic therapies during COVID-19: supporting patients care with home administration of mepolizumab and omalizumab**
Małgorzata Farnik (Katowice, Poland), Karolina Zawada-Drozd, Adam Barczyk

PA883 **Clinically Meaningful Improvement in Total Rhinoconjunctivitis Score with Olopatadine/mometasone Combination Nasal Spray in Patients with Seasonal Allergic Rhinitis: A Pooled Analysis**
Vineet Aggarwal (Mumbai, India), Eli O Meltzer, Wen Wu, Anne Deen Christensen, Jane Wheeler, Cynthia Caracta

PA884 **Population pharmacokinetic and exposure-response analyses to support fixed dosing of tezepelumab in patients with severe asthma**
Alexander MacDonald (Melbourn, United Kingdom), Yanan Zheng, Ye Guan, Yuying Gao, Lu Liu, Lubna Abuqayyas, Åsa Hellqvist, Karin Bowen, Gene Colice

PA885	**Safety of as-needed formoterol in asthma patients on different maintenance long-acting ß2-agonists** Helen Reddel (Sydney, Australia), Guy Brusselle, Rosa Lamarca, Per Gustafson, Gary P Anderson, Carin Jorup
PA886	**Long-Acting Beta Agonist Asthma Pharmacogenetic Loci Identified in Two Multi-Racial Asthma Clinical Trials** Victor Ortega (Bermuda Run NC, United States of America), Michelle Daya, Elizabeth Ampleford, Gregory Hawkins, Wendy Moore, Stephen Peters, Kathleen Barnes, Eugene Bleecker, Deborah Meyers
PA887	**"A RANDOMISED CONTROLLED STUDY ON EFFECT OF ORAL MAGNESIUM SUPPLEMENTS IN CONTROL OF SYMPTOMS OF BRONCHIAL ASTHMA AND LUNG FUNCTION PARAMETERS"** YANAMADALA ROWHIT (Vijayawada, India)
PA888	**Transitioning from hospital-based biologic care to home care in a severe asthma patient population; a patients' perspective** Ryan Robinson (Liverpool, United Kingdom), Ryan Robinson, Karl Hunter, Daniella Mclenaghan, Fathimath Shiham, Catherine Lowe, Jane Byrne, Livingstone Chishimba, Seher Zaidi, Gareth Jones, Hannah Joplin, Hassan Burhan
PA889	**Impact of mepolizumab in severe asthma with nasal polyps** Eduarda M. Tinoco (Porto, Portugal), Ana R. Gigante, Ana L. Fernandes, Bruno Cabrita, Cátia Santa, Inês Sucena, Sara Martins, Daniela Machado, Inês Franco, Inês Ladeira, Ivone Pascoal, Ricardo Lima
PA890	**Late Breaking Abstract - Anti-IL-5 mepolizumab minimally influences residual blood eosinophils in severe asthma** Glenn Van Hulst (Liège, Belgium), Joseph Jorssen, Nathalie Jacobs, Monique Henket, Renaud Louis, Florence Schleich, Fabrice Bureau, Christophe Desmet
PA891	**Late Breaking Abstract - Aldo-keto reductases expression correlate corticoids efficacy in vitro and on chronic rhinosinusitis with nasal polyps** Anselm Morell García (Hradec Králové, Czech Republic), Javier Milara, Lenka Laštovičková, Inés Roger, Ainhoa García-Lliberós, Enrique Zapater-Latorre, Miguel Armengot, Julio Cortijo, Vladimir Wsól
PA892	**Late Breaking Abstract - Early response to benralizumab in Canadians with severe eosinophilic asthma** Erika Penz (Saskatoon, Canada), Stephen G Noorduyn, Brett Lancaster, Alain Gendron, Lawrence Mbuagbaw, Erika Penz
PA893	**Late Breaking Abstract - Real-life rapidity of dupilumab effects on symptom control, lung function and prednisone intake in patients with severe eosinophilic asthma and nasal polyposis** Corrado Pelaia (Catanzaro (CZ), Italy), Nicola Lombardo, Maria Teresa Busceti, Alessia Dragone, Giovanna Lucia Piazzetta, Claudia Crimi, Alessandro Vatrella, Girolamo Pelaia
PA894	**Late Breaking Abstract - The impact of treatment with mepolizumab on airway remodeling in patients with severe eosinophilic asthma.** Marek Przybyszowski (Kraków, Poland), Iwona Gross-Sondej, Jacek Zarychta, Stanisława Bazan-Socha, Grażyna Bochenek, Jerzy Soja, Krzysztof Sładek

Pre-congress content Session 116 13:15 - 14:15

E-poster: COVID-19 and acute respiratory failure

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Respiratory critical care Airway diseases

Method(s) : Respiratory intensive care Epidemiology General respiratory patient care Pulmonary function testing Public health Imaging

Tag(s) : COVID

Chairs : Christian Karagiannidis (Cologne, Germany), Christoph Fisser (Regensburg, Germany)

PA895	**Ventilation management in COVID–19 ARDS vs ARDS from another origin** Anissa Tsonas (Amsterdam, Netherlands), Michela Botta, Ary Serpa Neto, Janneke Horn, Frederique Paulus, Marcus Schultz
PA896	**Risk stratification using SpO2/FiO2 and PEEP in COVID-19 ARDS** Jan-Paul Roozeman (AMSTERDAM, Netherlands), Ary Serpa Neto, Markus W Hollmann, Frederique Paulus, Marcus J Schultz, Guido Mazzinari, Luigi Pisani
PA897	**Prognosis factors influencing three-month respiratory outcomes in intensive care unit survivors after COVID-19 pneumonia** Sinan Karaer (Besançon, France), Guillaume Eberst, Fréderic Claudé, Lucie Laurent, Aurélia Meurisse, Pauline Roux-Claudé, Cindy Barnig, Kevin Bouiller, Catherine Chirouze, Julien Behr, Franck Grillet, Ophélie Ritter, Sébastien Pili-Floury, Hadrien Winiszewski, Emmanuel Samain, Gilles Capellier, Virginie Westeel

PA898	**Risk factors and prognostic impact of ventilatory support in HIV patients on Intensive Care Unit (ICU)** Arik Bernard Schulze (Münster, Germany), Felix Rosenow, Michael Mohr, Georg Evers
PA899	**Evolution of respiratory and biopsychosocial affectation in critical COVID19 patients after hospital discharge.** Carlos Manzano (Lleida, Spain), Sally Santisteve, Paola Carmona, Aida Monge, Anna Moncusi-Foix, Clara Gort-Paniello, Rafaela Vacas, David De Gonzalo-Calvo, Ferran Barbé, Jessica González
PA900	**Characterisation of COVID-19 hospitalised frail patients not for ICU admission** Yasser Noeman Ahmed (Southend, United Kingdom), Maryam Noeman, Abdulla Bedir, Iman El Sayed, Ashraf Roshdy, Ciara Bansal, Patrice Ayuen, Nour Abualela, Shashank Sharma
PA901	**Using Machine Learning to Predict mortality for first-day COVID-19 patients presenting to the ICU** Nahal Mansouri (Lausanne, Switzerland), Elham Jamshidi, Sahand Rahi
PA902	**Surgical facemask affects fugitive emissions during aerosol drug delivery by high-flow nasal therapy** Elena Fernández Fernández (Galway, Ireland), Barry Murphy, Marc Macgiollaeain, Gavin Bennett, Ronan Macloughlin
PA903	**Awake prone position in hypoxemic Covid 19 Pneumonia: Does it reduce the mortality rate?** Islam Mejri Ep Ajili (Hammamlif Ben Arous, Tunisia), Islam Mejri Ep Ajili, Maroua Kacem, Samira Mhamdi, Selsabil Daboussi, Chiraz Aichaouia, Zied Moatemri, Mohsen Khadhraoui
PA904	**Gender differences in ventilation management in COVID-19** Pien Swart (Amstelveen, Netherlands), Marcus Schultz, Ary Serpa Neto, Frederique Paulus
PA905	**Assessment of lung re-aeration at two levels of PEEP in patients with early and late COVID-19 related ARDS – a retrospective analysis** Marry Smit (Utrecht, Netherlands), Ludo Beenen, Christel Valk, Milou De Boer, Maeke Scheerder, Jouke Annema, Frederique Paulus, Janneke Horn, Alexander Vlaar, Fabian Kooij, Markus Hollmann, Marcus Schultz, Lieuwe Bos
PA906	**Derivation and validation of a simple score to help ruling-out COVID-19 in the Emergency Department** Jacopo Davide Giamello (Busca, Italy), Giulia Paglietta, Giulia Cavalot, Attilio Allione, Sara Abram, Luca Dutto, Sara Bernardi, Emanuele Bernardi, Francesco Tosello, Fabrizio Corsini, Bartolomeo Lorenzati, Gianpiero Martini, Andrea Sciolla, Giuseppe Lauria
PA907	**Risk factors for respiratory failure in patients with COVID-19 pneumonitis: A retrospective study** Loui Ezzat (Riyadh, Saudi Arabia), Abdullah Mobeireek, Mohammed Alhajji, Saud Al Saleh, Ezzat Loui, Sultan Al Amro, Abdullah Al Jebreen, Armen Torchian, Liju Ahmed
PA908	**COVID-19 patient with acute respiratory distress syndrome (ARDS) benefit most from an early prone position** Richard Vollenberg (Münster, Germany), Markus Strauss, Katharina Schuette-Nuetgen, Hartmut Schmidt, Arik Bernhard Schulze, Phil-Robin Tepasse
PA909	**Awake Prone Positioning in COVID-19 pneumonia: A useful strategy in resource limited setting** Raja Dhar (Kolkata (West Bengal), India), Shyam Krishnan, Shubham Sharma, Praveen Kumar Shahi, Milind Sovani
PA910	**Importance of admission biomarkers in prognostication of patients with SARS-Cov-2** Milan Barik (Hull (North Humberside), United Kingdom), Akhil Sawant
PA911	**Challenges in steroids and anicoagulants in severe COVID-19 pneumonia** Alaa Eldien Thabet Hassan (Assiut, Egypt), Alaa Abdelmoniem, Mona Mohamed, Abdelhalim Elsherif, Soheir Kasim
PA912	**Risk Factors and Clinical Impact of Fibrotic-Like Changes and the Organizing Pneumonia Pattern in Patients with COVID-19- and Non-COVID-19-induced Acute Respiratory Distress Syndrome.** Enric Roger Barbeta Viñas (La Garriga, Spain), Mariana Benegas, Marcelo Sánchez, Anna Motos, Miquel Ferrer, Adrián Ceccato, Rubén Lopez, Leticia Leticia Bueno, Ricard Mellado-Artigas, Carlos Ferrando, Laia Ferández-Barat, Nuria Albacar, Antoni Torres
PA913	**The use of High Flow Nasal Oxigen (HFNO) and Non-invasive Ventilation (NIV) in COVID-19** Maria Cardone (Napoli (NA), Italy), ludovica capitelli, Francesco Squillante

Pre-congress content Session 117 13:15 - 14:15

E-poster: Burden and epidemiology of COVID-19

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

Method(s) : Epidemiology | General respiratory patient care | Respiratory intensive care | Public health | Pulmonary function testing | Imaging

Tag(s) : COVID, Digital health

Chairs : John R Hurst (London, United Kingdom), Vanessa Garcia-Larsen (Baltimore, United States of America)

PA914	**The impact of Covid-19 on hospital length of stay and resources: an experience from a tertiary respiratory centre in the UK** Ran Wang (Manchester (Greater Manchester), United Kingdom), Ran Wang, Dalia Mudawi, Alaa Abdelgabar, Karl Heyes, Robert Niven, Nazia Chaudhuri, Ran Wang
PA915	**Seroprevalence of anti SARS-CoV-2 antibodies in a random sample of inhabitants of Katowice Region, Poland** Grzegorz Brożek (Katowice, Poland), Jan Zejda, Małgorzata Kowalska, Kamil Barański, Angelina Kaleta-Pilarska, Artur Nowakowski
PA916	**Data partitioning from the two waves of COVID-19 pandemic: is the landscape really evolving? A single institution experience.** Giulia Maria Stella (Pavia (PV), Italy), Piloni Davide, Federica Albicini, Erica Gini, Amelia Grosso, Angelo Guido Corsico
PA917	**SARS-CoV-2 infections in people with PCD** Eva Sophie Lunde Pedersen (Bern, Switzerland), Myrofora Goutaki, Amanda Harris, Lucy Dixon, Michele Manion, Bernhard Rindlisbacher, Jane S Lucas, Claudia E Kuehni
PA918	**COVID-19 infection in Severe Alpha 1-antitrypsin deficiency: looking for a rationale** Stefania Ottaviani (Pavia (PV), Italy), Ilaria Ferrarotti, Alice Maria Balderacchi, Valentina Barzon, Alessandra Corino, Annalisa De Silvestri, Davide Piloni, Francesca Mariani, Angelo Guido Corsico
PA919	**Mortality in home mechanical ventilation users during the COVID-19 pandemic** Rebecca D'Cruz (London, United Kingdom), Neeraj Shah, Annastazia Learoyd, Oliver Elias, Mike Mackie, Nick Weston, Nicholas Hart, Georgios Kaltsakas, Philip Marino, Hina Pattani, Michelle Ramsay, Shelley Srivastava, Joerg Steier, Eui-Sik Suh, Patrick Murphy
PA920	**Risk factors for COVID-19 sickness absence in healthcare staff** Diana van der Plaat (London, United Kingdom), David Coggon, Paul Cullinan, Rhiannon Edge, Ira Madan, Rupert Muiry, Vaughan Parsons, Martie Van Tongeren
PA921	**Alpha-1 antitrypsin deficiency severity and the risk of COVID-19** Nuno Faria (Porto, Portugal), Maria Inês Costa, Joana Gomes, Maria Sucena
PA922	**A study of infection latency and determination of quarantine period in hospital staff with Covid 19** Jayalakshmi T.Kutty (Mumbai (Maharashtra), India), Bhumika Madhav, C G Prakash, Narendra Patil, Dipti Dhanwante, Dhanaji Revande
PA923	**Hydroxychloroquine as a primary prophylactic agent against SARS-CoV-2 infection** Pradeesh Sivapalan (Hellerup, Denmark), Peter Kamstrup, Josefin Eklöf, Nils Hoyer, Charlotte Suppli Ulrik, Lars Pedersen, Therese S. Lapperre, Zitta Barrella Harboe, Uffe Bodtger, Rasmus Dahlin Bojesen, Kjell Erik Julius Håkansson, Casper Tidemandsen, Karin Armbruster, Andrea Browatzki, Howraman Meteran, Christian Niels Meyer, Kristoffer Grundtvig Skaarup, Mats Christian Højbjerg Lassen, Jens D. Lundgren, Tor Biering-Sørensen, Jens-Ulrik Stæhr Jensen
PA924	**Prolonged viral RNA shedding in patients with COVID-19 infection** Francesco Bini (Pavia (PV), Italy), Bruno Dino Bodini, Marco Bongiovanni, Angelo De Lauretis, Stefano Carlo Zucchetti, Umberto Zanini
PA925	**Excess Mortailty during Covid-19 pandemic in Istanbul** Elif Dagli (Istanbul, Turkey), Benan Musellim, Seval Kul, Pinar Ay, Cagla Uyanusta, Oya Itil, Hasan Bayram
PA926	**Seroprevalence of anti-SARS-CoV-2 IgG antibody in hospitalized patients: Results of the first hospital-based serosurvey from India** Animesh Ray (Kolkata (West Bengal), India), Komal Singh, Gaurav Batra, Naveet Wig, Naval Vikram, Souvick Chattopadhyay, Farha Mehdi
PA927	**COVID 19 in Health Professionals: Profile of 15540 Medical Care and Description of Positive Cases** Telma de Cassia dos Santos Nery (São Paulo (SP), Brazil), Camila Aquino Feijó, Eric Kiyoshi Mochizuki Hara, Flávia Fazoli Cunha Freitas Viana, Renilda Martins Prestes, Antonio Santos Barboza, Moacyr Vergara Godoy Moreira, Jefferson Freitas, Rafael Stelmach, Ubiratan Paula Santos
PA928	**How the COVID19 pandemic changed the attitude versus seasonal flu vaccination among COPD patients in Serbia** Miroslav Ilić (Sremska Kamenica (Vojvodina), Republic of Serbia), Nevena Savić, Nensi Lalić, Kristina Veres, Jovan Javorac, Ivan Kopitović

PA929	**Comparison of biopsychosocial and pulmonary short term sequelae between epidemic waves in critical COVID19 patients** Paola Carmona Arias (LLEIDA, Spain), Paola Carmona Arias, Sally Santisteve, Aida Monge, Anna Moncusi, Clara Gort, Ivan Benitez, David De Gonzalo, Gerarad Torres, Ferran Barbe, Jessica Gonzalez
PA930	**High Covid-19 mortality in a young population: Istanbul experience** Elif Dagli (Istanbul, Turkey), Nilufer Aykac, Osman Elbek
PA931	**A method of selecting most significant biochemical parameters in a given clinical setting in COVID-19** Rahuldeb Sarkar (London, United Kingdom), Swati Purohit Joshi, Abhishar Sinha, Hemant Mishra, Puneet Rijhwani, Purnendu Sekhar Das, Soumya Jana
PA932	**Etiology and antimicrobial resistance of secondary bacterial infections in patients hospitalized with COVID-19 in Moscow city hospital** Konstantin Karnoukh (Moscow City, Russian Federation), Vladimir Drozdov, Dariya Savintseva, Natalia Lazareva
PA933	**Assessment of the role of CT severity score in COVID-19 outcome prediction in a large Indian cohort** Rahuldeb Sarkar (London, United Kingdom), Swati Purohit Joshi, Abhishar Sinha, Hemant Mishra, Puneet Rijhwani, Purnendu Sekhar Das, Soumya Jana

Pre-congress content Session 118 13:15 - 14:15

E-poster: The different faces of sleep disturbances in respiratory diseases and beyond

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

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

Chairs : Carolina Lombardi (Milano (MI), Italy), Renaud Tamisier (Grenoble, France)

PA934	**Sleep related breathing disorder patterns in DPLD patients** Rahul Ghosh (Kolkata, India), Susmita Kundu
PA935	**Sleep-related breathing disturbances in idiopathic pulmonary fibrosis** Simon Dominik Herkenrath (Köln, Germany), Marcel Treml, Lars Hagmeyer, Norbert Anduleit, Winfried Randerath
PA936	**Association of risk of obstructive sleep apnea and asthma control among adult Filipino patients with asthma** Bernadette Meifel Joyce Madamba (Ilocos Norte, Philippines), Virginia delos Reyes
PA937	**Asthma control in patients with asthma / obstructive sleep apnea overlap syndrome** Ferdaous Yangui (La Marsa, Tunisia), Ferdaous Yangui, Ferdaous Yangui, Héla Cherif, Mariem Triki, Bochra Karaborni, Mohamed Ridha Charfi
PA938	**Sleep quality in adults with cystic fibrosis** Tatjana Jakovska-Maretti (Skopje, North Macedonia)
PA939	**Retinal vascular tortuosity in obstructive sleep apnea-COPD overlap patients** Rabab El Wahsh (Shebin El Kom, Egypt), Maha Yousif, Asmaa Ibrahim
PA940	**The correlation of sleep quality on symptoms and lung function in COPD patients at the Harum Melati Clinic, Pringsewu, Lampung Province, Indonesia.** Retno Ariza Soemarwoto (Bandar Lampung, Indonesia), Syazili Mustofa, Hetti Rusmini, Tusy Triwahyuni, Ari Nugraha Sukma
PA941	**Predicting sleep disordered breathing acutely after stroke: comparing eight sleep questionnaires and a logistic regression model** Christian Horvath (Toronto, Canada), Martijn Dekkers, Vanessa Woerz, Simone Duss, Markus Schmidt, Anne-Kathrin Brill, Claudio Bassetti
PA942	**Home NIV after an acute exacerbation of COPD: criteria and outcomes** Maria João Freitas Ferreira Araújo (Guimarães, Portugal), Diana Pimenta, Daniela Rodrigues, Marta Silva, Ana Luísa Vieira, Lurdes Ferreira
PA943	**Brainstem strokes are associated with increased obstructive apnea index during sleep acutely after stroke** Irina Filchenko (Bern, Switzerland), Martijn Dekkers, Sebastien Baillieul, Andrea Seiler, Markus Schmidt, Corrado Bernasconi, Claudio Bassetti

PA944	**The prevalence and risk factors of obstructive sleep apnea in patients with stroke in a tertiary care hospital in India** Rajagopal T. V. (Neyveli (Tamil Nadu), India), Devasahayam J Christopher, Barney Isaac, Ashwin Oliver, Vivek Mathew, Ajith Sivadasan
PA945	**Prevalence of sleep apnea in patients with recurrent syncope of unknown cause, preliminary results of the SINCOSAHS study** Mª Jose Muñoz Martinez (Vigo (Pontevedra), Spain), Enrique García Campo, María Dolores Corbacho Abelaira, Teresa Martín Egaña, María Luisa Torres Durán, Ramón Antonio Tubio Pérez, Mar Mosteiro Añón, María Elena Santamaría López, Alberto Fernández Villar
PA946	**Sleep pattern and cardiovascular disease: a big data study on gender impact** Elisa Morrone (gattico-Veruno (NO), Italy), Andrea Giordano, Massimo Pistono, Ugo Corrà, Alberto Braghiroli
PA947	**Cardiovascular outcomes in patients with coronary artery disease and nonsleepy versus sleepy obstructive sleep apnoea phenotypes in the RICCADSA trial** Yeliz Çelik (İstanbul, Turkey), Christine Eulenburg, Erik Thunström, Yuksel Peker
PA948	**Relationship between sleep quality and functionality in head and neck cancer survivors.** Janet Rodriguez Torres (Granada, Spain), Vanesa Jervíz-Guía, Natalia Muñoz-Vigueras, Esther Prados-Roman, Alejandro Heredia-Ciuró, Marie Carmen Valenza
PA949	**Impact on quality of life and sleep in head and neck cancer survivors one year after receiving radiotherapy.** Natalia Muñoz Vigueras (Granada, Spain), Vanessa Gabriela Jerviz Guia, Isabel Castillo Pérez, Paula Obeso Benitez, Javier Martín Núñez, Marie Carmen Valenza
PA950	**Prevalence of sleep disruption and sleep disorders in patients with Post-Polio Syndrome** Yunis Fazaldin (Southall, London, United Kingdom), Jeong Su Lee, Alexandra Curtis, Simon Shaw, Nicholas Hart, Georgios Kaltsakas, Joerg Steier
PA951	**Polysomnography findings of children with Neuromuscular Disease and the outcome following the start of Home Mechanical Ventilation.** Supriya Shinde (Bangalore, India), Ilin Kinimi
PA952	**Clinical phenotypes and characteristics in patients with OSAS and nocturnal respiratory failure** Andrea Portacci (Taranto, Italy), Carla Santomasi, Valentina Di Lecce, Federica Barratta, Maria Luisa De Candia, Alessandro Palumbo, Silvano Dragonieri, Onofrio Resta, Giovanna Elisiana Carpagnano
PA953	**Late onset Pompe Disease: A rare cause of respiratory failure** Rajini Sudhir (Leicester (Leicestershire), United Kingdom), Richard Russell, Aziz Masruq

Pre-congress content Session 119 13:15 - 14:15

E-poster: COVID-19 and obstructive diseases: risk factors, management and long-term effects

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Disease(s) : Airway diseases Respiratory critical care

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

Tag(s) : COVID, Digital health

Chairs : Sebastian L. Johnston (London, United Kingdom), Mona Bafadhel (Oxford (Oxfordshire), United Kingdom)

PA954	**Research priorities for airway diseases in "long COVID"** Omer Elneima (Leicester, United Kingdom), Davies Adeloye, Luke Daines, Krisnah Poinasamy, Sam Walker, Chris Brightling, Salman Siddiqui, Petr Novotny, John R Hurst, Jennifer K Quint, James Chalmers, Paul Pfeffer, Tom M Drake, Igor Rudan, Liam G Heaney, Anthony De Soyza, Aziz Sheikh
PA955	**Diffusion ability of the lungs in the assessment of respiratory function in patients who have undergone the new coronavirus infection (COVID-19)** Elena Filatova (Ekaterinburg (Sverdlovsk Oblast), Russian Federation), Igor Leshchenko, Sergey Skornyakov, Igor Medvinskiy, Natalia Esaulova, Arthur Polozov
PA956	**The effectiveness of telemedicine methods in the follow-up of asthma in the Covid-19 pandemic process** Saban Melih Simsek (Manisa, Turkey), Deniz Kizilirmak, Yavuz Havlucu

PA957	**Cough monitoring during the covid-19 pandemic** Jaclyn Smith (Manchester (Greater Manchester), United Kingdom), Kimberley Holt, Rachel Dockry, Hilary Thornton, Frank Keane, Kevin Mcguinness
PA958	**Impact of COVID-19 on COPD and Asthma admissions and the pandemic from a patient's perspective** Dominic Sykes (Garforth, United Kingdom), Shoaib Faruqi, Luke Holdsworth, Michael G Crooks
PA959	**Clinical characteristics and outcomes in hospitalized COVID-19 patients with COPD** Muzaffer Onur Turan (Izmir, Turkey), Burcu Arpınar Yiğitbas, Pakize Ayşe Turan, Arzu Mirici
PA960	**Does impact of COVID-19 pandemic reduce A&E attendances, hospital inpatient stays and re-admissions with acute exacerbation of COPD?** Rajesh Kumar Yadavilli (Sale, United Kingdom), Kamal Ibrahim, Mohammed Ibrahim, Laura-Beth Thompson, Dorota Scott
PA961	**Eosinopenia in COPD patients with severe acute respiratory virus 2 (Sars-CoV-2) infection as a potential fatal outcome predictor** Jane-Erica Paluero (Värnamo, Sweden), Lemar Tokhi, Mihovil Roglic, Marina Labor
PA962	**COVID-19 prevalence, risk factors and outcomes in COPD** Umberto Semenzato (PADOVA, Italy), Matteo Bonato, Erica Bazzan, Micaela Romagnoli, Elisabetta Cocconcelli, Mariaenrica Tinè, Graziella Turato, Simonetta Baraldo, Manuel G. Cosio, Marina Saetta
PA963	**Prevalence and characteristics of COPD patients admitted for COVID-19 during the first wave.** Walther Ivan Giron Matute (Madrid, Spain), IRENE MILAGROS DOMINGUEZ ZABALETA, Zichen Ji, Beatriz Recio Moreno, Christian Reynaldo Castro Riera, Alicia Cerezo Lajas, Luis Puente Maestu, Javier De Miguel-Diez
PA964	**Characterization of COPD admissions during the first COVID-19 outbreak** Hanaa Shafiek (Alexandria, Egypt), Borja García Cosío Piqueras, Nuria Toledo-Pons, Amanda Iglesias, Margalida Barcelo, Cristina Represas-Represas, Lorena Comeche, Pablo Catalán, Alberto Fernández-Villar, Jose Luis Lopez-Campos, Jose Echave-Sustaeta, Juan Jose Soler-Cataluña
PA965	**Effect of quarantine ?n hospital admissions for asthma/COPD exacerbations: association with air pollution** Ioanna Sigala (Athens, Greece), Timos Giannakas, Vasileios Giannakoulis, Efthimios Zervas, Aikaterini Brinia, Niki Gianniou, Efrosyni Dima, Andreas Asimakos, Paraskevi Katsaounou
PA966	**Evolution and prognosis of patients with Asthma or COPD hospitalized by COVID-19 infection. Diferences between them and the patients without airway pathology.** Blanca Urrutia Royo (Barcelona, Spain), Carlos Martinez Rivera, Toni Zapata, Ignasi Garcia Olivé, Karina Portillo, Alicia Marín Tapia, Jorge Abad Capa, Antoni Rosell Gratacós
PA967	**Healthcare seeking behaviour in a defined COPD patient population during COVID- 19 pandemic. A mixed method study.** suraj rajput (ebbsfleet (Kent), United Kingdom), Sandip Banerjee, Samantha Perryman, Rahuldeb Sarkar
PA968	**The risk factors in asthma patients for COVID19 infection** Temenuzhka Ignatova-Danova (Rousse, Bulgaria), Iliya Krachunov, Nikolay Kyuchukov, Zlatina Ivanova, Pavlina Nikolova, Plamen Pavlov, Tsanya Popova, Yavor Ivanov
PA969	**Small airway disease in symptomatic convalescents after SARS-CoV-2 infection** Frederik Trinkmann (Heidelberg, Germany), Alexandra Reif, Michael M. Müller, Franziska C. Trudzinski , Nicolas Kahn, Felix J.F. Herth
PA970	**Asthma management and control during COVID-19 pandemic** Houda Snène (Tunis, Tunisia), Khalil Zayen, Hana Blibech , Wafa Fenina , Israa El Wadhane , Mariem Maalej , Aymen Jebali, Jalloul Daghfous, Nadia Mehiri, Nozha Ben Salah, Bechir Louzir
PA971	**Anxio-depressive disorders in asthma patients during the COVID-19 pandemic** Houda Snène (Tunis, Tunisia), Khalil Zayen, Hana Blibech, Mariem Maalej, Aymen Jebali, Wafa Fenina, Israa El Wadhane, Nadia Mehiri, Nozha Ben Salah, Bechir Louzir
PA972	**Lung function indices measured by Forced Oscillation Test in post covid period - Looking beyond lung fibrosis** Nagesh Dhadge (Pune (Maharashtra), India), Kameshwar Rao, Nitin Vanjare
PA973	**Reduction in hospital admissions for Acute Exacerbations of COPD during COVID-19 pandemic** Michelle Brennan (Galway, Ireland), Alicje Straszewicz, Dominic Doyle, Ena Jordon, Jack Rutherford, Helen Mulryan, Nicki Byrne, Anthony O Regan, Melissa Mcdonnell, Michael Harrison, Robert Rutherford

Pre-congress content — Session 120 — 13:15 - 14:15

E-poster: Patient-reported outcomes in respiratory disease

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases

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

Chairs : Lisa Jane Brighton (London, United Kingdom), Eleonora Volpato (Milano (MI), Italy)

PA974 **A survey exploring psychological distress among patients with COPD during the COVID-19 pandemic**
Ingeborg Farver-Vestergaard (Vejle, Denmark), Sandra Rubio-Rask, Ole Hilberg, Anders Løkke

PA975 **Does working in COVID 19 units affect mental health status of healthcare workers during COVID 19 pandemic?**
Imen Youssfi (Tunis, Tunisia), Islam Mejri Ep Ajili, Asma Riahi, Selsabil Daboussi, Samira Mhamdi, Chiraz Aichaouia, Zied Moatemri, Mohsen Khadhraoui

PA976 **Forced Vital Capacity and Quality of Life: BOLD Study Cross-Sectional Analysis**
Emmanouil Bagkeris (London, United Kingdom), Jaymini Patel, Christer Janson, Andre Amaral, Peter Burney

Pre-congress content Session 121 13:15 - 14:15

E-poster: Respiratory physiology and breathing during sleep in health and sickness

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

Method(s) : Physiology Pulmonary function testing General respiratory patient care Pulmonary rehabilitation Epidemiology Palliative care Respiratory intensive care Surgery

Chairs : Stijn Verhulst (Antwerpen, Belgium), Florian Singer (Bern, Switzerland)

PA977 **Late Breaking Abstract - Response of the paediatric Long Term Ventilation (LTV) department of Cambridge University Hospital (CUH) during the Covid-19 pandemic: challenges and lessons.**
Lucy Carson (Cambridge, United Kingdom), Donna Mcshane, Doxa Kotzia

PA978 **Assessment of Nocturnal Hypoventilation by Different Methods and Definitions in Children with Neuromuscular Disease: Oxycapnography and Blood Gas Analysis**
Yetkin Ayhan (Istanbul, Turkey), Zeynep Reyhan Onay, Sinem Can Oksay, Deniz Mavi, Gülay Bilgin, Elif Karatoprak, Saniye Girit

PA979 **Correction of measurement error in a commercial multiple-breath washout device**
Florian Wyler (Bern, Switzerland), Marc-Alexander Oestreich, Bettina Frauchiger, Kathryn Ramsey, Philipp Latzin

PA980 **Can the Sleep Clinical Record diagnose moderate-to-severe Obstructive Sleep Apnea Syndrome in children?**
Emmanouil Alexopoulos (Larisa, Greece), Marianna Mylona, Charalampos Skoulakis, George Vavougios, Konstantinos Gourgoulianis, Athanasios Kaditis

PA981 **Can lung function tests help identify functional phenotypes in children with asthma?**
Sonila Borici (Tirana, Albania), Anxhela Gurakuqi, Ilir Akshija, Luljeta Serbo

PA983 **Altered exercise capacity in children with type 1 diabetes**
Dejan Radovanovic (Milano (MI), Italy), Marina Saad, Stefano Pini, Elisa Franceschi, Chiara Di Simone, Luca Perotto, Maurizio Rizzi, Pierachille Santus

PA984 **Sleep Disordered Breathing from Preschool to early Adult Age and its Neurocognitive Complications.**
Emmanouil Alexopoulos (Larisa, Greece), Kyriaki Astara, Dimitra Siachpazidou, George Vavougios, Dimitrios Ragias, Konstantina Vatzia, Georgia Rapti, Konstantinos Gourgoulianis, Georgia Xiromerisiou

PA985 **Parental perceptions of home Cardio respiratory sleep studies for children during Covid-19 pandemic**
Omendra Narayan (Manchester (Greater Manchester), United Kingdom), Tabassum Amina Ismail, Anna Hughes, Jake Erwin, Sarah Li, Matthew Atkinson, Stuart Wilkinson

PA986 **Relationships between asthma, obesity and OSAS severity in children**
Nicole Beydon (Paris, France), Audrey Cesaire, Guillaume Mulier, Priscilla Boizeau

PA987 **CO2 measurement in children's polysomnography: is it worth it?**
Rosário Ferreira (Lisbon, Portugal), Ângela Drago, Ângela Martins, Ana M Silva, Lia Oliveira

PA988 **Respiratory inductance plethysmography reference data in North-western Italian 6-years child population**
Ileana Stella (Torino, Italy), Anna Folino, Lorenzo Appendini, Lorenzo Richiardi, Elisabetta Bignamini

PA989 **Oxygen Desaturation Index as Predictor of Moderate-to-Severe OSAS in Children with Snoring**
Athanasios G. Kaditis (Athens, Greece), Anastasia Polytarchou, Aggeliki Moudaki, Polytimi Panaghiotopoulou-Gartagani, Christina Kanaka-Gantenbein

PA990 **Frenulectomy in children with sleep disordered breathing and short lingual frenulum: a pilot study**
Melania Evangelisti (Roma (RM), Italy), Martina Forlani, Mario Barreto, Marilisa Montesano, Maria Pia Villa

PA991 **How is the follow-up of tracheotomized children in a tertiary hospital in Brazil?**
Silke Anna Theresa Weber (Botucatu (SP), Brazil), Ana Luísa Fontana Garcia, Elizandra De De Padua Ranzani, Camila De Castro Correa

PA992 **Obstructive sleep disorders in Down syndrome's children with and without lower airway anomalies**
Mariska De Lausnay (Melle, Belgium), Stijn Verhulst, Kim Van Hoorenbeeck, An Boudewyns

PA993 **Validation of the child effort perception scale in a maximum potential exercise test**
Tayna Castilho (Florianópolis, Brazil), Juliana Cardoso, Renata Wamosy, Camila Schivinski

PA994 **Characterization of the spontaneous breathing variability in healthy children at rest: a prospective observational study**
Andre dos Santos Rocha (Genève, Switzerland), Adam Balogh, Isabelle Pichon, Walid Habre

PA995 **The reliability of polygraphy for the diagnosis of sleep disordered breathing in children**
Tugba Ramasli Gursoy (ANKARA, Turkey), Tugba Sismanlar Eyuboglu, Ayse Tana Aslan, Pelin Asfuroglu, Hakan Ercelebi, Ebru Arhan, Tansu Ulukavak Ciftci, Oguz Kokturk, Isıl Irem Budakoglu

Pre-congress content Session 122 13:15 - 14:15

E-poster: Primary care organisation and epidemiology

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases | Respiratory critical care | Sleep and breathing disorders | Thoracic oncology | Interstitial lung diseases | Pulmonary vascular diseases

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

Chairs : Ee Ming Khoo (Kuala Lumpur, Malaysia), Esther I. Metting (Groningen, Netherlands)

PA996 **Qualitative phenomenological study informs the development of educational intervention for behaviour change to reduce morbidity and mortality in adults with chronic lung disease in rural India**
BISWAJIT PAUL (Vellore, India), Rita Isaac, Hemlata R, Paul Jebraj, Muthathal Subramanian, Deepa Das, John Norrie, David Weller, Liz Grant

PA997 **Collaborative care positively inverts the proportion of severe cases in the pulmonology clinic in the public health system: a Brazilian experience**
Mariah Taube (Taubaté, Brazil), Denise Cotrim, Mariana Freire, William Salibe Filho , Sonia Martins, Rafael Stelmach

PA998 **Does introduction of a home oxygen service lead to healthcare cost savings?**
Charlotte Francis (Cambridge, United Kingdom), Claire Davey, Richa Singh, Jane Simpson

PA999 **Barriers and facilitators to asthma care for Malaysian Hajj pilgrims: a qualitative study**
Rizawati Ramli (LEMBAH PANTAI, Malaysia), Ee Ming Khoo, Su May Liew, Nik Sherina Haidi Hanafi, Norita Hussein, Ping Yein Lee, Sazlina Shariff Ghazali, Ai Theng Cheong, Ahmad Ihsan Abu Bakar, Azah Abdul Samad, Suhazeli Abdullah, Hilary Pinnock, Sheikh Aziz

PA1000 **Primary care management of asthma –findings from the Klang Asthma Cohort Study in Malaysia**
Norita Hussein (Kuala Lumpur, Malaysia), Norita Hussein, Su May Liew, Nik Sherina Hanafi, Ee Ming Khoo, Hilary Pinnock, Yong Kek Pang, Asiah Kassim, Ping Yein Lee, Shariff Sazlina, Ai Teng Cheong, Karuthan Chinna, Rizawati Ramli, Izan Ishak, Bee Kiau Ho, Salbiah Mohamad Isa, Zuzana Aman, Asnita Nordin, Siow Foon Tan, Harzana Harun, Ahmad Ihsan Abu Abu Bakar, Azainorsuzila Mohd Mohd Ahad, Richard Parker , Aziz Sheikh

PA1001 **Assessment of asthma control and associated risk factors: findings from the Klang Asthma Cohort Study in Malaysia**
Norita Hussein (Kuala Lumpur, Malaysia), Norita Hussein, Rizawati Ramli, Izan Ishak, Bee Kiau Ho, Salbiah Mohamad Isa, Zuzana Aman, Asnita Nordin, Siow Foon Tan, Harzana Harun, Su May Liew, Nik Sherina Hanafi, Ahmad Ihsan Abu Bakar, Ping Yein Lee, Ai Theng Cheong, Sazlina Shariff Ghazali, Azainorsuzila Mohd Ahad, Yong Kek Pang, Asiah Kassim, Chiu-Wan Ng, Karuthan Chinna, Parker Richard, Ee Ming Khoo, Hilary Pinnock, Aziz Sheikh

PA1002	**Meeting the challenges of asthma management guidelines in public primary care clinics in Malaysia: a qualitative study** Ai Theng Cheong (Serdang, Malaysia), Ping Yein Lee, Shariff Ghazali Sazlina, Hani Salim, Norita Hussein, Rizawati Ramli, Hilary Pinnock, Su May Liew, Nik Sherina Hanafi, Ahmad Ihsan Abu Bakar , Azainorsuzila Mohd Ahad , Yong Kek Pang, Karuthan Chinna, Ee Ming Khoo
PA1003	**Remote asthma reviews: Developing practice resources for the IMP2ART trial.** Brigitte Delaney (Sheffield, United Kingdom), Atena Barat, S.J.C. Taylor, Viv Marsh, Kirstie Mcclatchey, Emma Kinley, Hilary Pinnock
PA1004	**Exploring the need for, and design of, a COPD lung health service in China: A Mixed Method Study from the Breathe Well programme** Hui Pang (Beijing, China), Zihan Pan, Rachel Adams, Eleanor Duncan, Chunhua Chi, Xia Kong, Andrew Dickens, Alexandra Enocson, Peymané Adab, Kar Keung Cheng, Nicola Gale, Rachel Jordan
PA1005	**Prescribing patterns of inhaled corticosteroids in asthma amongst primary care physicians in Singapore** Wei Xiang Ang (Singapore, Singapore), Wen Di Lee, Si Yuan Chew, Ying Hao, Jun Tian Wu, Rehena Sultana, Andrew Fang, Mariko Koh, David Matchar
PA1006	**Behaviour change in chronic respiratory disease patients through health care worker delivered theory of planned behaviour-based educational intervention: results from a pilot feasibility study** BISWAJIT PAUL (Vellore, India), Rita Isaac, Deepa Das, Thenmozhi Mani, Malvika Babu, John Norrie, Liz Grant, David Weller
PA1007	**Participation in scheduled asthma follow-up contacts and adherence to treatment during 12-year follow-up** Jaana Takala (Seinäjoki, Finland), Iida Vähätalo, Leena Tuomisto, Onni Niemelä, Pinja Ilmarinen, Hannu Kankaanranta
PA1008	**Socioeconomic predictors of specialist referral for possible severe asthma in a public healthcare setting** Kjell Erik Julius Håkansson (København N, Denmark), Vibeke Backer, Charlotte Suppli Ulrik
PA1009	**Nomogram for patients with exacerbation in the general practitioners based Swiss chronic obstructive pulmonary disease cohort** Nebal Abu Hussein (Basel, Switzerland), Stéphanie Giezendanner, Pascal Urwyler, Pierre-Olivier Bridevaux, Prashant N. Chhajed, Christophe Von Garnier , Thomas Geiser, Ladina Joos Zellweger, Malcolm Kohler, Sabrina Maier, David Miedinger, Robert Thurnheer, Michael Tamm, Joerg D. Leuppi
PA1010	**The Alonnisos Study: Correlation of Chronic Obstructive Pulmonary Disease risk with demographic, habitual and dietary factors in the general population of Alonnisos island** Petros Kassas (Larissa, Greece), Petros Kassas, Evdoxia Gogou, Charalampos Varsamas, Konstantinos Vogiatzidis, Aggeliki Psatha, Maria Pinaka, Dimitra Siachpazidou, Alexandra Sistou, Eleftherios Papazoglou, Despoina Kalousi, Konstantina Vatzia, Kiriaki Astara, Nikolaos Tsiouvakas, Sotirios Zarogiannis, Konstantinos Gourgoulianis
PA1011	**Healthcare costs and resource use in patients with chronic obstructive pulmonary disease (COPD) in Ontario, Canada** Christina Qian (VANCOUVER, Canada), Karissa Johnston, Mena Soliman, Erika Penz, Stephen Noorduyn
PA1012	**Projections of 10-year mortality in patients with COPD in the UK using the CHOPIN policy model** Volker Foos (Düren, Germany), Phil Mcewan, Ulf Holmgren, Jonathan Marshall, Hana Müllerová, Enrico De Nigris
PA1013	**The association between lung function in adults and the socioeconomic profile in a long-term follow-up** Lene Maria Ørts (Aarhus C, Denmark), Bodil Hammer Bech, Torsten Lauritzen, Anders Helles Carlsen, Annelli Sandbæk, Anders Løkke
PA1014	**COPD DIAGNOSIS: DIFFERENCES ACCORDING GENDER** Mónica Marques Grafino (Montemor-O-Novo, Portugal), Filipa Todo-Bom, Jorge Cabral, Susana Clemente, João Valença, Ana Lutas, Teresa Pequito, Marco Pereira, Sofia Furtado
PA1015	**Describing characteristics of a primary care COPD population receiving Integrated Disease Management and the durability of quality of life outcomes over time.** Jennifer DCruz (London, Canada), Anna Hussey, Madonna Ferrone, Christopher Licskai

Pre-congress content Session 123 13:15 - 14:15

E-poster: Tuberculosis, COVID-19 and other comorbidities

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Method(s) : General respiratory patient care Public health Epidemiology Cell and molecular biology Respiratory intensive care

Tag(s) : COVID

Chairs : Graham H. Bothamley (London, United Kingdom), Irina Kontsevaya (Borstel, Germany)

PA1016	**Impact of COVID-19 and lockdown on TB care** Larisa Rusakova (Москва, Russian Federation), Sergey Sterlikov, Daria Kucheryavaya
PA1017	**Species-specific Interferon-Gamma Release Assay for the diagnosis of Mycobacterium abscessus complex infection in Cystic Fibrosis patients.** Mathis Steindor (Essen, Germany), Florian Stehling, Margarete Olivier, Jan Kehrmann, Margo Diricks, Florian Maurer, Peter Horn, Svenja Straßburg, Matthias Welsner, Sivagurunathan Sutharsan, Monika Lindemann
PA1018	**Pulmonary tuberculosis control: does COVID-19 have any effect?** Ana Rita Gigante (Vila Nova de Gaia, Portugal), Margarida Sousa, Ana Aguiar, Marta Pinto, Rita Gaio, Raquel Duarte
PA1019	**Co-infection of pulmonary tuberculosis and Covid-19** Zhanna Laushkina (Novosibirsk, Russian Federation)
PA1020	**Assessment of COVID-19 impact on the course of pulmonary tuberculosis** Ekaterina Shishkina (Moscow, Russian Federation), Leila Ergeshova, Anna Egorova, Natalia Evseeva, Tatiana Smirnova, Natalia Karpina
PA1021	**Impact of COVID-19 on TB management in an East London Hospital** Ananna Rahman (Essex, United Kingdom), Darryl Braier-Lorimer, Foley Sinead, Simon Tiberi, Ryan Khaw, Kunst Heinke
PA1022	**The impact of SARS-CoV-2 pandemic on tuberculosis – the experience of Iasi County, Romania** Ionela-Alina Grosu-Creangă (Iasi (Iasi), Romania), Adriana Sorete Arbore
PA1023	**Tuberculosis/SARS-CoV-2 Co-infection: a Case Series** Miria Silva (Maceió (AL), Brazil), Liana Macedo-Farsoun, Brivaldo Markman-Filho, Marcio Lima-Filho, Karina Veiga, Maruza Costa, Maria-Paula Athayde, Carlos Luna
PA1024	**Frequency of chronic pulmonary aspergillosis in patients treated for pulmonary tuberculosis at a tertiary care hospital in Karachi, Pakistan.** Syed Muhammad Zubair (karachi, Pakistan), Kauser Jabeen, Muhammad Irfan
PA1025	**Screening for tuberculosis in patients with COVID-19 infection in Georgia.** Nana Kiria (Tbilisi, Georgia), Zaza Avaliani, Marika Eristavi, Marika Shurgaia, Lali Mikiashvili
PA1026	**The impact of COVID-19 sanitary measures on tuberculosis outbreaks** Diogo Miguel Monteiro Canhoto (Coimbra, Portugal), Bárbara Ramos, António Jorge Ferreira, Paulo Cravo Roxo
PA1027	**COVID19 coinfection exacerbates lung inflammation in TB patients.** Galina Shepelkova (Moscow, Russian Federation), Vladimir Evstifeev, Ruslan Tarasov, Vilayat Aliev, Mamed Bagirov, Yuriy Berezovskiy, Maria Isaeva, Vladimir Yeremeev
PA1028	**Adverse events in the treatment of patients with pulmonary tuberculosis combined with diabetes mellitus and without it.** Oksana Komissarova (Moscow, Russian Federation), Rizvan Abdullaev, Svetlana Aleshina
PA1029	**A COMPARATIVE STUDY ON EFFECTS OF SUBSTANCE DEPENDENCE ON PULMONARY TUBERCULOSIS PATIENTS** Mainak Mukherjee (Hooghly, India), Susmita Kundu, Rivu Basu
PA1030	**The influence of SARS-CoV-2 co-infection and active tuberculosis on the severity of the disease course and mortality.** Grzegorz Przybylski (Osielsko, Poland), Anna Kozanecka, Marta Pilaczynska-Cemel
PA1031	**Characteristics of tuberculosis patients co-infected with COVID-19** Evgeny Belilovskiy (Moscow, Russian Federation), Elena Bogorodskaya, Sergey Borisov, Elena Sumarokova, Olga Chizhova
PA1032	**Taking care of TB in times of COVID-19 Global Pandemic** Julia Amaranta Garcia Fuertes (Vitoria-Gasteiz, Spain), Naiara Martin Lería, Javier Poyo Molina, Miguel Angel Sanchez De Toro, Irantzu Elorza Sagasta, Clara Ortega Michel, Laura Tomás López, Maria Begoña Lahidalga Múgica, Jose Joaquín Portu Zapirain, Silvia Hernaez Crespo, Andrés Canut Blasco, José Luis Lobo Beristain
PA1033	**Particularities of pulmonary tuberculosis during the COVID-19 pandemic** Emna Benjemia (Tunis, Tunisia), Khaoula Hemissi, Haifa Zaibi, Maram Mosbeh, Asma Allouch, Khadija Euchi, Jihen Ben Ammar, Hichem Aouina

PA1034 **Burden of co-morbid conditions in TB patients attending a tertiary care hospital in India**
Devasahayam Jesudas Christopher (Vellore (Tamil Nadu), India), Barney Isaac, Arunthathi Arjun, Deepa Shankar, Balamugesh Thangakunam

PA1035 **Mesodiencephalic modulation in the treatment of XDR TB patients with concomitant type II diabetes mellitus**
Anzhela Polyakova (Moscow, Russian Federation), Marina Tihonova, Vladimir Romanov, Alexey Tihonov, Natalya Chernyh

Pre-congress content Session 124 13:15 - 14:15

E-poster: Challenges and advances in the diagnosis and clinical management of tuberculosis

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Thoracic oncology

Method(s) : General respiratory patient care Epidemiology Public health Surgery Imaging Cell and molecular biology Endoscopy and interventional pulmonology

Chairs : Margareth Dalcolmo (São Paulo, Brazil), Chair to be confirmed

PA1036 **Provisional results of the active TB detection using mobile X-ray systems in Iasi County, Romania**
Mihaela V. Archip (Iasi (Iasi), Romania), Maria Panescu, Adelina Atitei, Adriana Sorete Arbore

PA1037 **Evaluation of serial interferon-gamma release assay testing in lung cancer patients treated with immune checkpoint inhibitors**
Kohei Fujita (Kyoto, Japan), Takuma Imakita, Yuki Yamamoto, Osamu Kanai, Misato Okamura, Koichi Nakatani, Tadashi Mio

PA1038 **Association of hyponatremia with increased mortality in tuberculosis**
Christina Bal (Wien, Austria), Daniela Gompelmann, Michael Krebs, Lukasz Antoniewicz, Claudia Guttmann, Christopher Milacek, Antje Lehmann, Maximilian Robert Gysan, Peter Wolf, Maaia Jentus, Irene Steiner, Marco Idzko

PA1039 **Risk of Tuberculosis reactivation during treatment with non TNFi/Biologics**
Brit Haecker (Berlin, Germany), Tom Schaberg, Ralf Otto-Knapp, Albert Nienhaus, Christian Kneitz, Mario Fabri, Andreas Krause, Ulf Mrowietz, Torsten Bauer, Roland Diel

PA1040 **Prevalence and diagnostic validity of chest tomography findings in patients with suspected active pulmonary tuberculosis**
Angela María Giraldo Montoya (Pereira, Colombia), Giovanni García Castro, Juan Jose Gutierrez Paternina

PA1041 **Phenotypic resistance of M. tuberculosis to bedaquilin (BDQ) and linezolid (LZD)**
Natalya Eremeeva (Ekaterinburg (Sverdlovsk Oblast), Russian Federation), Tatyana Umpeleva, Diana Vakhrusheva

PA1042 **Management of ocular tuberculosis(OTB): The role of CT and Positron Emission Tomography(PET) imaging**
Kavina Manalan (London, United Kingdom), Ilaria Testi, Bhavini Dixit, Yorissa Payadachee, Charanjit Sethi, Laura Martin, Georgina Russell, Peter Addison, Carlos Pavesio, Harry Petrushkin, Rashmi Akshikar, Onn Min Kon

PA1043 **The comparative assessment of microbiological examination of radial EBUS specimens vs conventional bronchoscopy in the diagnosis of pulmonary TB.**
Irina Shabalina (Moscow, Russian Federation), Ilya Sivokozov, Yana Chesalina, Elena Larionova, Tatyana Smirnova, Svetlana Shishova, Natalya Karpina, Atadzan Ergeshov

PA1044 **Clinico-radiological and bronchoscopic predictors of microbiological yield in sputum smear negative tuberculosis in Pakistan**
Taymmia Ejaz (Islamabad, Pakistan), Mahmood Malik, Jamal Ahmed, Rizwan Azam, Yousaf Jamal, Sheema Saadia

PA1045 **Comparative efficacy of BAL versus bronchial washing in smear-negative pulmonary TB**
Ilya Sivokozov (Moscow, Russian Federation), Yana Chesalina, Dmitry Dedushkin, Elena Larionova, Anzhela Polyakova, Natalya Chernikh

PA1046 **Reliability of the evaluation of the results of computed tomography studies in disseminated pulmonary tuberculosis**
Екатерина Сметанина (Barnaul, Russian Federation), Anna Mordik, Aleksandr Smetanin, Sergey Leonov

PA1047 **Early manifestations of vascular lesions of the retina in common forms of TB in the late stages of HIV**
Sergey Skornyakov (Ekaterinburg (Sverdlovsk Oblast), Russian Federation), Elena Burylova, Elena Sabadash, Igor Medvinskiy, Alexey Demin, Elvira Telicina

PA1048 **Effectiveness of inhaled hypertonic saline application for sputum induction to improve Mycobacterium tuberculosis identification in patients with pulmonary tuberculosis**
Tatiana Butova (Kharkiv, Ukraine), Mykhailo Kuzhko, Mykola Gumeniuk, Olena Raznatovska, Anton Tkachenko, Olena Borysova, Dmytro Butov

PA1049 **Ocular tuberculosis – a case series**
Carlos Lopes Figueiredo (Lisboa, Portugal), Mariana Silva, André Fabiano, Dionísio Maia, Joana Carvalho, Susana Carreira , Teresa Mourato, Filomena Nogueira, António Miguel, João Cardoso, Conceição Gomes

PA1050 **Simultaneous intraoperative correction of mediastinal pulmonaryhernia in transsternal occlusion of the main-stem bronchus inpatients with advanced complicated destructive pulmonary tuberculosis**
Ruslan Tarasov (Moscow, Russian Federation), Elena Krasnikova, Vilayat Aliev, Lidia Popova, Mamed Bagirov

PA1051 **Dynamics of capillary blood flow in the lungs after extrapleural silicone plombage in patients with advanced fibrocavernous pulmonary tuberculosis**
Elena Krasnikova (Moscow, Russian Federation), Anatoly Sigaev, Mamed Bagirov, Rasul Amansahedov, Vilayat Aliev

PA1052 **Adverse effects analysis results during anti-TB treatment among hemodialysis patients**
Olga Gordeeva (Moscow, Russian Federation), Natalya Karpina, Sofya Andreevskaya, Elena Larionova

PA1053 **Clinical and evolutif characteristics of pulmonary tuberculosis in elderly patients**
Emna Benjemia (Tunis, Tunisia), Khaoula Hemissi, Haifa Zaibi, Asma Allouch, Khadija Euchi, Jihen Ben Ammar, Hichem Aouina

PA1054 **Late Breaking Abstract - Therapeutic drug monitoring in a patient with very advanced XDR-TB**
Niklas Köhler (Lübeck, Germany), Rob Aarnoutse, Pia Abel Zur Wiesch, Sönke Andres, Eva Choong, Fabrizio Clarelli, Laurent Decosterd, Hans-Peter Grobbel, Jan Heyckendorf, Doris Hillemann, Harald Hoffmann, Barbara Kalsdorf, Hande Karaköse, Wiebke Knaack, Christina König, Antal Martinecz, Florian Maurer, Matthias Merker, Stefan Niemann, Markus Nowak, Charles A. Peloquin, Patricia Sanchez Carballo, Dagmar Schaub, Thomas Schön, Dominik Schwudke, Marga Teulen, Nick Verougstraete, Alain Verstraete, Franziska Waldow, Jim Werngren, Sebastian Georg Wicha, Christoph Lange

Pre-congress content Session 125 13:15 - 14:15

E-poster: Lung function evaluation and assessment of airway diseases

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases

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

Chairs : William Stringer (Long Beach, United States of America), Raffaele Dellaca (Milano (MI), Italy)

PA1055 **Accuracy for DLco impairment through ventilatory efficiency indices in smokers without COPD.**
Paulo Müller (Campo Grande (MS), Brazil), Gerson Orro, Gisele Barbosa, Erlandson Saraiva

PA1056 **The COPD Assessment Test and the modified Medical Research Council scale are not equivalent when related to the maximal exercise capacity in COPD patients.**
Annalisa Frizzelli (Parma, Italy), Annalisa Frizzelli, Roberta Pisi, Marina Aiello, Luigino Calzetta, Panagiota Tzani, Laura Marchi, Giuseppina Bertorelli, Alfredo Chetta

PA1057 **Aerobic and breathing exercises on clinical control in subjects with asthma: a RCT**
Fabiana Kim (São Paulo, Brazil), Jaqueline Rocha, Adriana Lunardi, Cibele Marques Da Silva, Andrey Wirgues, Patricia Freitas, Denielli Bós, Rafael Stelmach, Alberto Cukier, Celso Carvalho

PA1058 **Daytime physical activity and sleep quality as related to patient-reported and physiological outcomes following severe COPD exacerbation**
Rebecca D'Cruz (London, United Kingdom), Eui-Sik Suh, Georgios Kaltsakas, Rita Priori, Neeraj Shah, Amy Dewar, Abdel Douiri, Nicholas Hart, Patrick Murphy

PA1059 **Predictors of changes in 6-min walking distance following pulmonary rehabilitation in COPD patients: a retrospective cohort analysis**
Yara Al Chikhanie (Dieulefit, France), Sébastien Bailly, Daniel Veale, Frédéric Hérengt, Samuel Verges

PA1060 **Late Breaking Abstract - Chronic coronary artery disease and decline of lung function as predictors of mortality and exacerbation risk in stable COPD: Results from COSYCONET**
Peter Alter (Marburg, Germany), Tanja Lucke, Henrik Watz, Stefan Andreas, Kathrin Kahnert, Franziska Trudzinski, Tim Speicher, Sandra Söhler, Robert Bals, Tobias Welte, Klaus Rabe, Jørgen Vestbo, Emiel Wouters, Claus Vogelmeier, Rudolf Jörres

PA1061	**Comparable Ventilatory Inefficiency During Exercise Performance in COPD and CHF subjects.** Paulo Müller (Campo Grande (MS), Brazil), Gerson Orro, Gisele Barbosa, Erlandson Saraiva
PA1062	**Lactate dehydrogenase isoenzymes in patients with acute exacerbation of chronic obstructive pulmonary disease: An exploratory cross-sectional study** Vlasios Skopas (Kifissia attikis, Greece), Dimitrios Papadopoulos, Nikolaos Trakas, Eleni Papaefstathiou, Charalampos Koufopoulos, Demosthenes Makris, Zoe Daniil, Konstantinos Gourgoulianis
PA1063	**Quality of life in COPD - does hyperinflation matter?** Inês Tavares Ladeira (Vila Nova de Gaia, Portugal), Pedro Oliveira, Liliana Campos, Ricardo Lima, Miguel Guimarães
PA1064	**The relationship between respiratory muscle dysfunction and serum vitamin D level in COPD patients** Angelina Suleymanova (Moscow, Russian Federation), Irina Baranova
PA1065	**High prevalence of COPD symtoms in the Tunisian population contrasting with low awareness of the disease** Lakhdar Nadia (Sousse, Tunisia), Landolsi Mounir, Myriam Denguizli
PA1066	**Brain-heart autonomic axis function across different clinical status and severity of COPD** Renata Mendes (Sao Carlos (SP), Brazil), Viviane Castello-Simões, Erika Zavaglia Kabbach, Nathany Souza Schafauser, Patrícia Faria Camargo, Rodrigo Polaquini Simões, Alessandro Domingues Heubel, Mariana Brasil Da Cunha Martino Pereira1, Nicole Marques Sgarbosa, Audrey Borghi-Silva
PA1067	**The chronic effects of narghile-use on males' cardiovascular response during exercise: a systematic review** Faten CHAIEB (Sousse, Tunisia), Helmi Ben Saad
PA1068	**Correlation of six minute walk test with spirometry in COPD patients** Prajjwal Sarkar (Kolkata, India), Atin Dey, Somnath Bhattacharya, Rohini Chakrabarti
PA1069	**Ultrasound diaphragm activity in cystic fibrosis: a normative study** Fanny Gabrysz-Forget (Montreal, Canada), Anne-Catherine Maynard-Paquette, Aileen Kharat, Bruno-Pierre Dubé
PA1070	**Impact of moderate to late preterm birth on 5 year lung function in a South African birth cohort** Shaakira Chaya (Mokopane, South Africa), Rae Macginty, Carvern Jacobs, Zoltán Hantos, Shannon Simpson, Graham Hall, Heather Zar, Diane Gray
PA1071	**Clinical validity of functional respiratory imaging in cystic fibrosis: a cross-sectional study.** Eline Lauwers (Wilrijk, Belgium), Annemiek Snoeckx, Kris Ides, Kim Van Hoorenbeeck, Maarten Lanclus, Wilfried De Backer, Jan De Backer, Stijn Verhulst
PA1072	**Genetic mutations and ciliary ultrastructure as possible determinants of lung function evolution in primary ciliary dyskinesia: a 40-year observational study** Mathias G. Holgersen (Copenhagen, Denmark), Mathias Holgersen, June K. Marthin, Johanna Raidt, Heymut Omran, Kim G. Nielsen
PA1073	**Late Breaking Abstract - Comparison of Portable Oxygen Concentrators using a COPD Patient Simulation Model** Rachel Culbreth (Atlanta, United States of America), Robert Murray, Kyle Brandenberger, Douglas Gardenhire
PA1074	**Late Breaking Abstract - Covid-19 management in an Italian Prison. Monitoring of pulmonary function using oscillometry.** Guido Vagheggini (Volterra (PI), Italy), Arli Veli, Chiara Veneroni, Lisa Perugino, Lucrezia Bertini, Sara Nasoni, Laura Carrozzi, Raffaele L. Dellacà

Pre-congress content Session 126 13:15 - 14:15

E-poster: Non-invasive respiratory support in COVID-19

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Respiratory critical care Airway diseases

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

Tag(s) : COVID

Chairs : Stefano Nava (Bologna (BO), Italy), Javier Sayas Catalan (Madrid, Spain)

PA1075	**Early intervention with non-invasive respiratory therapies in mild acute respiratory distress syndrome secondary to COVID-19** Sergio Suarez Escudero (Madrid, Spain), Daniel López-Padilla, José Rafael Terán Tinedo, Virginia Parra León, Soledad López Martín, Francisco Caballero Segura, Christian Castro Riera, Alicia Cerezo Lajas, Elena Ojeda Castillejo, Beatriz Recio Moreno, Luis Puente Maestú
PA1076	**High O2 flow rate is necessary to reach acceptable FiO2 levels in CPAP-treated patients with severe COVID-19** Marius Lebret (GRENOBLE, France), Emeline Fresnel, Guillaume Prieur, Jean Quieffin, Johan Dupuis, Bouchra Lamia, Yann Combret, Clément Médrinal
PA1077	**A Retrospective Review of Advanced Respiratory Support for COVID-19 Associated ARDS in a Ward-Based Setting** Fraser Easton (bristol, United Kingdom), Katherine Millington, Christina Baggott, Stuart Winearls, Niall Brown, James Morgan, Katrina Curtis
PA1078	**Characteristics and outcomes of COVID-19 patients in an Italian sub-intensive care unit** Jacopo Davide Giamello (Busca, Italy), Sara Abram, Francesco Tosello, Giulia Paglietta, Emanuele Bernardi, Attilio Allione, Giulia Cavalot, Sara Bernardi, Luca Dutto, Fabrizio Corsini, Bartolomeo Lorenzati, Gianpiero Martini, Andrea Sciolla, Giuseppe Lauria
PA1079	**Outcomes of patients with COVID-19 pneumonia treated with CPAP** Roberta Di Tria (Rivalta di Torino, Italy), Giovanni Ferrari, Paolo Righini, Alessia Marchisio, Chiara Caponnetto, Valter Gallo, Sonia Bassini, Roberto Prota
PA1080	**Noninvasive ventilatory support in patients with COVID-19 pneumonia in high dependency unit: a single center study** Sladjana Radosavljevic (Novi Sad, Republic of Serbia), Ilija Andrijevic, Jovan Matijasevic, Dusanka Obradovic, Biljana Joves, Stoja Krunic, Stanislava Sovilj-Gmizic, Sandra Pekovic, Senka Milutinov-Ilic, Marija Vukoja
PA1081	**CPAP compared to Conventional Oxygen Therapy as ceiling of care in COVID-19 patients with Advanced Frailty: A retrospective cohort study** Yasser Noeman Ahmed (Southend, United Kingdom), Maryam Noeman, Abdulla Bedir, Iman El Sayed, Ashraf Roshdy, Gouri Koduri, Sriya Gokaraju, Patrice Ayuen, Nour Abuelela, Shashank Sharma, Dora Amran, Duncan Powrie
PA1082	**Timely start of HFNC treatment is beneficial for the outcome in COVID-19** Lemar Tokhi (Värnamo, Sweden), Mihovil Roglić, Jane-Erica Paluero, Marina Labor
PA1083	**High-velocity nasal insufflation therapy in Patients with COVID-19 pneumonia** Ahmed Metwaly (Assuit, Egypt), Doaa Magdy
PA1084	**Comparison of CPAP outcomes in COVID-19 between first and second wave** Anoop Babu (Telford, United Kingdom), Muhammad Shafiq, Natalie Hassan, Ujaas Dawar, Marcus Pittman
PA1085	**Outcomes in patients requiring CPAP for COVID-19 infection in non-ITU settings** Benjamin Pippard (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Hannah Bright, Victor Chew, Graham Miller, Kevin Conroy, Benjamin Prudon, Vandana Jeebun
PA1086	**Risk factors for mortality in HFNO-treated Covid-19 positive patients – a pilot study** Lemar Tokhi (Värnamo, Sweden), Marina Labor, Jane-Erica Paluero, Mihovil Roglic
PA1087	**Predictors of mortality in COVID-19 patients requiring CPAP** Muhammad Shafiq (Basildon Essex, United Kingdom), Anoop Babu, Natalie Hassan, Ujaas Dawar, Marcus Pittman
PA1088	**Predictors of continuous positive airway pressure (CPAP) response in severe hypoxaemic respiratory failure due to COVID-19 pneumonitis** Jonathon Shaw (Greater Manchester, United Kingdom), Jonathon Shaw, Elizabeth Springate, Jospeh Thompson, William Euan Falconer, Hou Law, Georges Ng Man Kwong
PA1089	**Rox index as predictor of HFNC success in acute respiratory failure due to SARS-CoV-2 pneumonia** Santos Ferrer Espinosa (Valencia, Spain), Irene Bocigas Huéscar, Jesús Sancho Chinesta, Enric Burés Sales, Jaime Signes-Costa Miñana
PA1090	**Outcomes and characteristics of COVID-19 patients treated with CPAP/ HFNO outside of the Intensive Care setting** Dominic Sykes (Garforth, United Kingdom), Khaing Thuthu, Olly I Brown, Ahalya Parthasarathy, Michael G Crooks, Shoaib Faruqi
PA1091	**Correlation between lactate dehydrogenase and therapeutic strategy in Covid-19 pneumonia** Roberta Cianci (POTENZA, Italy), Ludovica Capitelli, Miriam Buonincontro, Rosalba Donizzetti, Dario Cuomo, Antonio Prisco, Francesco Squillante, Vincenzo Bocchino

PA1092 **Cost-effectiveness of the use of Continuous Positive Airway Pressure in COVID-19 patients at Medway NHS Foundation Trust**
Thomas Gower (London, United Kingdom), Rahuldeb Sarkar, Sandip Banerjee, Claire Froneman, Aidan Ryan

PA1093 **How far is too far? A review of non-invasive ventilation as ceiling of care in COVID-19 patients not suitable for invasive mechanical ventilation.**
Elizabeth Springate (Stockport, United Kingdom), Jonathon Shaw

PA1094 **AWAKE PRONE POSITION IN CRITICAL AND SEVERE COVID-19 PATIENTS UNDERGOING NONINVASIVE RESPIRATORY SUPPORT: A RETROSPECTIVE MULTICENTER COHORT STUDY.**
Roberto Tonelli (Modena, Italy), Ivana Castaniere, Luca Tabbì, Lara Pisani, Irene Prediletto, Vittoria Comellini, Riccardo Fantini, Alessandro Marchioni, Dario Andrisani, Filippo Gozzi, Giulia Bruzzi, Linda Manicardi, Ilaria Bassi, Marco Carpano, Federico Tagariello, Gabriele Corsi, Stefano Nava, Enrico Clini

Pre-congress content Session 127 13:15 - 14:15

E-poster: Severe asthma: evaluation using patient-reported outcome measures (PROMs) and biomarkers, comorbidities and treatments

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases

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

Chairs : Angira Dasgupta (Kolkata (West Bengal), India), Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom)

PA1095 **Derivation and validation of the subscales of the severe asthma questionnaire**
Rupert Jones (Milton Combe, United Kingdom), Michael Hyland, Lanario Joseph, Matthew Masoli, Adel Mansur, Andrew Menzies-Gow, Stephen Fowler, James Dodd

PA1096 **Use and reporting of health related quality of life questionnaires in severe asthma clinical trials**
Joseph Lanario (Plymouth (Devon), United Kingdom), Lorna Burns

PA1097 **A questionnaire to measure the extra-pulmonary symptoms of asthma**
Joseph Lanario (Plymouth (Devon), United Kingdom), Giulio De Felice, Michael Hyland, Yuri Antonacci, Rupert Jones, Matthew Masoli

PA1098 **Development of a tool to measure the clinical response to biologic therapy in uncontrolled severe asthma: the FEOS score.**
Iria Veiga Teijeiro (Lugo (Galicia), Spain), Indhira Guzmán Peralta, Luis Pérez De Llano, Irene Martín Robles, Nagore Blanco Cid, David Dacal Rivas, Ignacio Davila, Eva Martínez-Moragón, Javier Domínguez Ortega, Carlos Almonacid, Carlos Colás, Juan Luis García-Rivero, Loreto Carmona, María Jesús García De Yébenes, Borja García-Cosío

PA1099 **Swiss Severe Asthma Registry (SSAR)- Good asthma control and high number of exacerbations. How does this fit?**
Fabienne Jaun (Liestal, Switzerland), Janina Capponi, Anja Jochmann, Nikolay Pavlov, Lukas Kern, Sandra Widmer, Christian Clarenbach, Noriane Sievi, Claudia Steurer-Stey, Hans-Werner Duchna, Thomas Rothe, Marinela Dinic, Carina Oberhänsli, Pietro Gianella, Michela Paronitti Lovera, Florian Charbonnier, Marlène Salamin, Pierre-Olivier Bridevaux, Christophe Von Garnier, Jörg D. Leuppi

PA1100 **Low versus high Th2 asthma: variability of blood eosinophil counts in a longitudinal analysis**
Brian Patchett (Philadelphia, United States of America), Granit Mavraj, Bede Nriagu, Ruchi Patel, Edward Schulman

PA1101 **FeNO threshold used to select severe asthma patients for Dupilumab may be inappropriate>**
Jérémy COFINO CASANUEVA (Brussels, Belgium), Alain Van Muylem, Amaryllis Haccuria, Lucas Demey , Alain Michils

PA1102 **BREATHE – Distribution and co-expression of T2 biomarkers in asthma and association with severity, clinical characteristics and co-morbidities**
Ditte Klein (København NV, Denmark), Laurits Frøssing, Gunilla Telg, Celeste Porsbjerg

PA1103 **Eosinophilic refractory inflammation in OCS-dependent severe asthma**
Vitina Carriero (Orbassano, Italy), Francesca Bertolini, Elisa Arrigo, Fabio Luigi Massimo Ricciardolo

PA1104 **A proposal for standardization of the bronchial biopsy assessment in severe asthma**
Hanaa Shafiek (Alexandria, Egypt), Cristina Gomez, Amanda Iglesias, Mar Iglesias, Ana Gonzalez-Piñeiro, Marta Rodríguez, Mónica García-Cosío, Eladio Busto, Javier Martin, Melchor Saiz, Bairon Paz, Amparo Benito, Luis Mejías, Laura Lopez Vilaro, Borja G Cosio

PA1105	**Characterisation of severe, steroid-dependent asthma patients who initiate biologics versus those who do not** Wenjia Chen (Vancouver, Canada), Wenjia Chen, Mohsen Sadatsafavi, Lakmini Bulathsinhala, Esther Garcia Gil, Trung Tran, J. Mark Fitzgerald, Ruth Murray, David Price, Isar Glitter Working Group
PA1106	**Baseline characteristics of severe asthma patients initiating biologic treatment worldwide** Luis Pérez De Llano (Lugo, Spain), Aivaras Cepelis, Trung Tran, Ruth Murray, David Price, International Severe Asthma Registry Beam Working Group
PA1107	**Efficacy of azithromycin in a real world severe asthma cohort** Ayesha Kumar (Liverpool, United Kingdom), Seher Zaidi, Nicola Fay, Thomas Fitzmaurice, Abigail Watkin, Hannah Joplin, Hassan Burhan
PA1108	**Adapting asthma clinical trials in response to the COVID-19 pandemic - the BenRex study design** Steven Smith (Glasgow, United Kingdom), Steven Smith, Lynsey Gillespie, Liam Heaney, Christopher Brightling, Alex Mcconnachie, Salman Siddiqui, Vijay Mistry, Vanessa Brown, David Jackson, Nicola Lee, Stephen Fowler, Adel Mansur, Hassan Burhan, Dinesh Saralaya , Ramesh Kurukulaaratchy, Shuaib Nasser, Paul Pfeffer, Thomas Brown, James Lordan, Ian Pavord, Rekha Chaudhuri
PA1109	**Inducible laryngeal obstruction in asthma** Aase Johnsen Rogde (Bergen, Norway), Sverre Lehmann, Hege Synnøve Havstad Clemm, Ola Drange Røksund, Haakon Kristian Kvidaland, Thomas Halvorsen, Maria Vollsaeter, Tiina Maarit Andersen
PA1110	**Detection of laryngeal dysfunction in the systematic assessment of severe asthma** Julia Selby (London, United Kingdom), Breda Cushen, Pujan Patel , Rosie Rauch, James Hull
PA1111	**The burden of COPD in young individuals: results from EPISCAN II** Fco.De Borja García Cosío Piqueras (Palma de Mallorca, Spain), Ciro Casanova, Joan B Soriano, Inmaculada Alfageme, Marc Miravitlles, Pilar De Lucas, Juan Jose Soler-Cataluña, Francisco García-Río, Jose Miguel Rodriguez Gonzalez-Moro, Guadalupe Sanchez-Herrero, Julio Ancochea
PA1112	**Late Breaking Abstract - Durable clinical benefit of benralizumab following oral corticosteroid reduction: The PONENTE study** Andrew Menzies-Gow (London, United Kingdom), Mark Gurnell, Liam G. Heaney, Jonathan Corren, Elisabeth H. Bel, Jorge Maspero, Timothy Harrison, David J. Jackson, David Price, Njira Lugogo, James Kreindler, Annie Burden, Alex De Giorgio-Miller, Kelly Padilla, Ubaldo J. Martin, Esther Garcia Gil
PA1113	**Late Breaking Abstract - Comparative Effectiveness of Anti-IL5/5R Versus Anti-IgE in Patients Eligible for Both (FIRE)** Nasloon Ali (Singapore, Singapore), Juntao Lyu, Anthony Newell, Mohsen Sadatsafavi, Trung N Tran, David B Price
PA1114	**Late Breaking Abstract - Standard-of-Care Asthma Controller Regimen Reduction with Benralizumab Treatment: ANDHI In Practice Study** Renaud Louis (Liège, Belgium), Pascal Chanez, Francesco Menzella, George Philteos, Borja G Cosio, Njira L. Lugogo, Gustavo De Luiz, Tim Harrison, Annie Burden, Timothy Adlington, Nanna Keeling, Justin Kwiatek, Esther Garcia Gil

Pre-congress content Session 128 13:15 - 14:15

E-poster: Biology of lung cancer: preclinical and translational research

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

Method(s) : Cell and molecular biology

Chairs : Diego Kauffmann-guerrero (Munich, Germany), Ilona Tietzova (Praha, Czech Republic)

PA1115	**LSC - 2021 - Mapping of Kras mutations during chemical carcinogenesis** Sabine J. Behrend (München, Germany), Magda Spella (magsp@upatras.gr / Department of Physiology, Faculty of Medicine, University of Patras,Rio), Mario A. A. Pepe (mario.pepe@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz Zentrum,Munich), Georgia A. Giotopoulou (georgia.giotopoulou@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz Zentrum,Munich), Marina Lianou (lianou@upatras.gr / Department of Physiology, Faculty of Medicine, University of Patras,Rio), Ioanna Giopanou (giopanou@upatras.gr / Department of Physiology, Faculty of Medicine, University of Patras,Rio), Anne-Sophie Lamort (anne-sophie.lamort@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz Zentrum,Munich), Georgios T. Stathopoulos (stathopoulos@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz Zentrum,Munich)

PA1116	**cAMP response element-binding protein mediates immune-evasion of KRAS-mutant lung adenocarcinoma** Georgia A. Giotopoulou (Munich, Germany), Giannoula Ntaliarda, Antonia Marazioti, Ioannis Lilis, Nikolitsa Spiropoulou, Foteini Kalogianni, Evanthia Tourkochristou, Ioanna Giopanou, Magda Spella, Marianthi Iliopoulou, Aigli Korfiati, Konstantinos Theofilatos, Seferina Mavroudi, Theofilos Mantamadiotis, Torsten Goldmann, Sebastian Marwitz, Georgios T. Stathopoulos
PA1117	**PARP activity and expression in response to DNA damage in mice with lung cancer-induced cachexia** JUN TANG (Barcelona, Spain), JUN TANG, Xuejie Wang, Liyun Qin, Coral Ampurdanés, Xavier Duran, Lara Pijuan, José Yélamos, Esther Barreiro
PA1118	**Lipid-related anti-cancer drug resistance of lung adenocarcinoma cells** Anna Gründing (Hannover, Germany), Beatriz Martinez-Delgado, Bin Liu, David Deluca, Sabine Wrenger, Tobias Welte, Sabina Janciauskiene
PA1119	**IGF1R facilitates implantation and progression of lung metastasis acting in the tumor microenvironment** Elvira Alfaro Arnedo (Logroño (La Rioja), Spain), Icíar P López, Sergio Piñeiro-Hermida, Marta Canalejo, Carlos Ruíz-Martinez, José G Pichel
PA1120	**The inhibition of caspase-11 could prevent lung cancer in smoking mice** Chiara Colarusso (Fisciano (SA), Italy), Michela Terlizzi, Aldo Pinto, Rosalinda Sorrentino
PA1121	**LSC - 2021 - Macrophages in lung adenocarcinoma** Giannoula Ntaliarda (Patra, Greece), Ioannis Lilis (ioannislilis@upatras.gr / Laboratory for Molecular Respiratory Carcinogenecis, Department of Physiology, Faculty of Medicine, University of Patras,Rio), Magda Spella (magsp@upatras.gr / Laboratory for Molecular Respiratory Carcinogenecis, Department of Physiology, Faculty of Medicine, University of Patras,Rio), Georgios T. Stathopoulos (stathopoulos@helmholtz-muenchen.de / Comprehensive Pneumology Center (CPC) and Institute for Lung Biology and Disease (iLBD); University Hospital, Ludwig-Maximilians University and Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL),Munich)
PA1122	**LSC - 2021 - Preclinical evaluation of IL-1ß inhibition against KRAS-mutant lung adenocarcinoma** Georgios Skiadas (Patras, Greece), Giannoula Ntaliarda (ntaliarda@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rio), Magda Spella (magsp@upatras.gr / Laboratory for Molecular Respiratory Carcinogenesis, Department of Physiology, Faculty of Medicine, University of Patras,Rio), Maarten De Chateau (dechateau@buzzardpharma.com / Buzzard Pharmaceuticals, Karolinska Institute Science Park,Stockcholm), Georgios Stathopoulos (stathopoulos@helmholtz-muenchen.de / Comprehensive Pneumology Center (CPC) and Institute for Lung Biology and Disease (iLBD), University Hospital, Ludwig-Maximilians University and Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL),Munich)
PA1123	**Does acute phase protein alpha1-antitrypsin modulate apoptosis-autophagy crosstalk resulting in resistance of NSCLC cells to cancer drugs?** Sabine Wrenger (Hannover, Germany), Anna R. Gründing, Tobias Welte, Sabina Janciauskiene
PA1125	**Lung Cancer Stem Cells From Lymph Nodes Aspirates Express Immunosuppressive Molecules** Agata Raniszewska (Warszawa, Poland), Iwona Kwiecien, Elzbieta Rutkowska, Rafal Sokolowski, Joanna Domagala-Kulawik
PA1126	**FGFR1 gene aberrations and FGFR1 protein expression in squamous non-small cell lung cancer (Sq-NSCLC).** Joanna Moes-Sosnowska (Warsaw, Poland), Adriana Rozy, Monika Skupińska, Urszula Lechowicz, Ewa Szczepulska-Wojcik, Renata Langfort, Piotr Rudzinski, Tadeusz Orlowski, Delfina Popiel, Marek Wieczorek, Aleksandra Stanczak, Joanna Chorostowska-Wynimko
PA1127	**Regulation of PA200 in lung cancer** Ayse Seda Yazgili (München, Germany), Vanessa Welk, Thomas Meul, Christina Lukas, Ina Koch, Elvira Stacher-Priehse, Michael Lindner, Georgios Stathopoulos, Silke Meiners
PA1128	**Microbial analysis in lung cancer according to PD-L1 level and immunotherapy response** Hye Jin Jang (Seoul, Republic of Korea), Seung Hyun Yong, Eun Young Kim, Ji Ye Jung, Young Ae Kang, Moo Suk Park, Young Sam Kim, Sang Hoon Lee, Young Jae Cho
PA1129	**Evaluation expression of miR-146a and miR-155 and inflammatory cytokines in blood of non-small cell lung cancer patients** Neda K.Dezfuli (Tehran, Islamic Republic of Iran), Shamila Alipoor, Neda Roofchayee, Sharareh Seyfi, Esmaeil Mortaz
PA1130	**High fold-changes in peripheral blood PD-1+ CD8+ T cells expressing Granzyme B predicts the response to immunotherapy in NSCLC** Yun Seong Kim (Yangsan city (Kyeongsang Nam-do), Republic of Korea), Jae Heun Chung, Seong Hoon Yoon, Hee Yun Seol
PA1131	**Identifying a tissue specific microRNA molecular signature in lung cancer** Antonia Tent (Cluj-Napoca, Romania), Ioana Berindan-Neagoe, Ioan Simon, Marioara Simon

PA1132 **Lung cancer biomarkers based on miRNA**
Macarena Arroyo Varela (Malaga, Spain), Elena Espinosa García, Esperanza Salcedo Lobera, Rafael Larrosa Jiménez, Rocío Bautista Moreno

PA1133 **LSC - 2021 - Regulation of PA200 in lung cancer**
Ayse Seda Yazgili (München, Germany), Vanessa Welk (vanessa.welk@googlemail.com / Comprehensive Pneumology Center (CPC), University Hospital of the Ludwig-Maximilians-University (LMU) and Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL), Max-Lebsche Platz 31, 81377,München) , Thomas Meul (thomas.meul@helmholtz-muenchen.de / Comprehensive Pneumology Center (CPC), University Hospital of the Ludwig-Maximilians-University (LMU) and Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL), Max-Lebsche Platz 31, 81377,München) , Christina Lukas (tina_lukas@web.de / Comprehensive Pneumology Center (CPC), University Hospital of the Ludwig-Maximilians-University (LMU) and Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL), Max-Lebsche Platz 31, 81377,München) , Ina Koch (ina.koch@asklepios.com / Asklepios Lung Clinic Munich-Gauting, 82131,Gauting) , Elvira Stacher-Priehse (e.stacher@asklepios.com / Asklepios Lung Clinic Munich-Gauting, 82131,Gauting) , Michael Lindner (michael.lindner@helmholtz-muenchen.de / Asklepios Lung Clinic Munich-Gauting, 82131,Gauting) , Georgios Stathopoulos (georgios.stathopoulos@helmholtz-muenchen.de / Comprehensive Pneumology Center (CPC), University Hospital of the Ludwig-Maximilians-University (LMU) and Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL), Max-Lebsche Platz 31, 81377,München) , Silke Meiners (silke.meiners@helmholtz-muenchen.de / Comprehensive Pneumology Center (CPC), University Hospital of the Ludwig-Maximilians-University (LMU) and Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL), Max-Lebsche Platz 31, 81377,München)

PA1134 **Efficiency of carbon nano tube (CNT) capture of blood circulating lung cancer cells**
Rex Yung (Owings Mills, United States of America), Seyed Masoud Loeian, Jessica Moja, Rajeev Mehta, Ganesh Krishnan, John Park, Jeffrey Allard, Mark Myslinski

Pre-congress content Session 129 13:15 - 14:15

E-poster: Biomarkers for the management of bronchial obstructive diseases

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases

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

Chairs : Polyxeni Ntontsi (Athens, Greece), Andrei Malinovschi (Uppsala, Sweden)

PA1135 **Serum periostin and eotaxin-2 as promising biomarkers in asthmatic smokers.**
Saher Farghly (Assiut, Egypt), Atef Farouk El-Karn, Mahmoud Farouk Sherif, Mohamed Ismail Seddik, Safaa Abdelgayed, Mohammed Abdelghany

PA1136 **Change of T2-markers in patients with severe uncontrolled asthma treated by monoclonal antibodies: 1 yr follow up**
Galina Sergeeva (St. Petersburg, Russian Federation), Alexander Emelyanov, Eugenia Leshenkova, Antonina Znakhurenko

PA1137 **Biomarkers for the management of severe asthma: a survey**
Claudio Micheletto (S.Giovanni Lupatoto, Italy), Leonardo Antonicelli, Lorenzo Cecchi, Francesco Menzella, Adriano Vaghi

PA1138 **The role of asymmetric dimethylarginine (ADMA) in patients with asthma**
Anton Shakhanov (Ryazan, Russian Federation), Irina Nikitina, Oleg Uryasev

PA1139 **A novel method of using exhaled nitric oxide to calculate compartmental airway pH**
Michael Davis (Indianapolis, United States of America), Jessica Saunders, Ivana Daniels, Charles Clem, Laura Smith, Nadzeya Marozkina, Kristie Ross, Yi Zhao, Benjamin Gason

PA1140 **Are asthma symptom intensity scales better than biomarkers for diagnosing asthma? A prospective observational study**
Gilles Louis (Liège, Belgium), Florence Schleich, Michèle Guillaume, Anne-Françoise Donneau, Halehsadat Nekoee Zahraei , Monique Henket, Virginie Paulus, Françoise Guissard, Renaud Louis, Benoit Pétré

PA1141 **An innovative high sensitivity tool for active neutrophil elastase quantification**
Darragh McCafferty (Belfast (Belfast), United Kingdom), Sarah Johnston, Timothy Ferguson, Kelly Moffitt

PA1142 **Validation of a multiplex assay for measurement of IL-6, IL-8, and TNF-alpha in sputum**
Darragh McCafferty (Belfast (Belfast), United Kingdom), Philip Weir, Kelly Moffitt

PA1143 **Development of the first protease multiplex immunoassay for active neutrophilic serine protease biomarkers**
Darragh McCafferty (Belfast (Belfast), United Kingdom), Kelly Moffitt, Timothy Ferguson

PA1144 **Correlation of serum levels of matrix-metalloproteinase-9, cyclo-oxygenase-2, and prostaglandin-E-2 in Chronic obstructive pulmonary disease(COPD)**
Ajay Kumar Verma (Lucknow (Uttar Pradesh), India), Anuj Kumar Pandey, Arpita Singh , Surya Kant, Abbas Ali Mahdi, Ved Prakash, Kausar Mahmood Ansari, Rakesh Kumar Dixit, Shyam Chand Chaudhary

PA1145 **The role of Microalbuminuria as a predictor marker during acute exacerbations of Chronic Obstructive Pulmonary Disease**
Konstantinos Bartziokas (Trikala, Greece), Chris Kyriakopoulos, Evangelia Dounousi, Georgia Gkrepi, Konstantinos Kostikas

PA1146 **Within-day variability of blood eosinophils in stable COPD patients: a prospective trial.**
Inès Van Rossem (Bruxelles, Belgium), Shane Hanon, Sylvia Verbanck, Sander Deridder, Eef Vanderhelst

PA1147 **Copeptin – a marker for differential diagnosis between acute exacerbation of COPD and heart failure in patients with acute dyspnea**
Ventsislava Pencheva Genova (Sofia, Bulgaria), Victor Manolov, Ognian Georgiev

PA1148 **Serum Levels of Adipolin in Stable and Acute Exacerbation of Chronic Obstructive Pulmonary Disease**
Hassan Ghobadi-Marallu (Ardabil, Islamic Republic of Iran), Mohammad Reza Aslani, Mojtaba Amani, Faranak Moghadas

PA1149 **Relationship between systemic inflammation and rhythmicity of acute exacerbations of COPD**
Ahmed Ben Saad (Monastir, Tunisia), Asma Migaou, Rania Kaddoussi, Nesrine Fahem, Samah Joobeur, Saousen Cheikh Mhamed, Naceur Rouatbi

PA1150 **Study of microalbuminuria in COPD patients and its association with cardiac comorbidities**
UTKARSH KHATTRI (Meerut, India), Lalit Singh, Rajeev Tandon, Geeta Karki, Nida Choudhry

PA1151 **A specific monoclonal antibody targeting C-36 peptide of alpha1-antitrypsin as a tool in respiratory research**
Srinu Tumpara (Hannover, Germany), Srinu Tumpara, Elena Korenbaum, Tobias Welte, Beatriz Martinez Delgado, Sabina Janciauskiene

PA1152 **Determinants of blood eosinophil count in adults from a large population-based study**
Rita Amaral (Porto, Portugal), Tiago Jacinto, Andrei Malinovschi, Christer Janson, David Price, João Fonseca, Kjell Alving

PA1153 **Breathing rhythm does not influence exhaled volatile organic compound profile analyzed by an electronic nose.**
Silvano Dragonieri (Bari (BA), Italy), Vitaliano Nicola Quaranta, Enrico Buonamico, Fabrizio Diaferia, Giovanna Elisiana Carpagnano

PA1154 **Measurements of upper and lower airway nitric oxide in healthy adults**
Balázs Csoma (Budapest, Hungary), Filippa Beringer, Gergő Szűcs, Veronika Müller, Zsófia Lázár

Pre-congress content Session 130 13:15 - 14:15

E-poster: Long COVID - 19

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

Method(s) : Respiratory intensive care | Pulmonary function testing | Imaging | General respiratory patient care | Epidemiology | Public health | Physiology

Tag(s) : COVID

Chairs : Gernot G.U. Rohde (Frankfurt am Main, Germany), Søren Sperling Haugen (Aarhus N, Denmark)

PA1155 **Persistent lung abnormalities versus established fibrosis: a prospective study of COVID-19 follow-up**
Bavithra Vijayakumar (thame (Oxfordshire), United Kingdom), James Tonkin, Anand Devaraj, Keir E J Philip, Christopher M Orton, Sujal R Desai, Pallav L Shah

PA1156 **Post-discharge persistent symptoms after hospitalization for COVID-19**
Mohamed aymen Jebali (tunis, Tunisia), Hana Blibech, Aymen Jebali , Houda Snene, Donia Belkhir, Mariem Maalej, Safa Kerkeni, Mariem Trabelsi, Ahmed Laater, Nadia Mehiri, Nozha Ben Salah, Bechir Louzir

PA1157	**Predicting factors of pulmonary functional sequelae in COVID-19 patients after 4 months from hospital admission** Annalisa Frizzelli (Parma, Italy), Annalisa Frizzelli, Marina Aiello, Luigino Calzetta, Pier Anselmo Mori, Laura Marchi, Veronica Alfieri, Nicola Sverzellati, Maria Majori, Alfredo Chetta
PA1158	**Mental disorders in patients (pts) with COVID-19 pneumonia:comparison with COPD exacerbation** Kseniia Bielosludtseva (Dniepropetrovsk, Ukraine), Yuliia Huba, Tetyana Pertseva, Lyudmyla Konopkina, Olha Shchudro
PA1159	**Influence of COVID-19 pneumonia on development of mental disorders** Kseniia Bielosludtseva (Dniepropetrovsk, Ukraine), Yuliia Huba, Tetyana Pertseva, Lyudmyla Konopkina, Olha Shchudro
PA1160	**Respiratory Physiological Sequelae following Coronavirus Infection: A Systematic Review** Ketan Patel (Colchester, United Kingdom), Christopher C. Huntley, Shahnoor-E-Salam Bushra, Farah Mobeen, Peter S Burge, Alice M Turner, Gareth I Walters
PA1161	**Peculiar high resolution computed tomography patterns in post-covid fibrosis** Richa Tyagi (Lucknow (UP), India), Surya Kant, Darshan Bajaj, Anit Parihar
PA1162	**Quality of life of patients three months after COVID-19 hypoxemic pneumonitis** Houda Snène (Tunis, Tunisia), Issraa El Wadhane, Hana Blibech, Safa Kerkeni, Meriem Trabelsi, Wafa Fenina, Meriem Maalej, Aymen Jebali, Nadia Mehiri, Nozha Ben Salah, Bechir Louzir
PA1163	**Post-COVID impairment: objective multidimensional assessment of long term effects in hospitalized, non-ICU patients** Emanuel Cardoso (Basel, Switzerland), Andrei Darie, Matthias Herrmann, Desiree M. Schumann, Leticia Grize, Werner Strobel, Kathleen Jahn, Michael Tamm, Daiana Stolz
PA1164	**Predictors of mental health disorders in health workers during COVID-19 pandemic** Rihab Jebali (ARIANA, Tunisia), Amani Ben Mansour, Soumaya Ben Saad, Hafaoua Daghfous, Fatma Tritar
PA1165	**Insomnia in COVID-19 survivors: prevalence, severity and associated factors** Warda Jelassi (TUNIS, Tunisia), Abir Hedhli , Cyrine Echeikh, Meriem Mjid, Yacine Ouahchi, Samira Merai, Sonia Toujani, Besma Dhahri
PA1166	**LOTUS - Long-term pulmonary outcomes after infection with SARS-CoV-2:Dyspnea is poorly explained by reduced lung function** Søren Sperling Haugen (Aarhus N, Denmark), Andreas Fløe, Steffen Leth, Tina Gissel, Lars Kristensen, Charlotte Hyldgaard, Lene Dahl, Ayfer Topcu, Johannes Schmid, Soren Jensen-Fangel, Hans Jürgen Hoffmann, Elisabeth Bendstrup
PA1167	**Radiologic follow-up after COVID-19 pneumonia** Elisabetta Cocconcelli (Padova (PD), Italy), Nicol Bernardinello, Chiara Giraudo, Adelaide Giorgino, Davide Leoni, Serena Marinello, Sara Lococo, Gioele Castelli, Marina Saetta, Annamaria Cattelan, Paolo Spagnolo, Elisabetta Balestro
PA1168	**First insight into the complexity of post-covid recovery - a single centre experience** Marko Banić (Zagreb, Croatia), Andrea Vukić Dugac, Miroslav Samaržija, Davorka Muršić, Zagorka Boras, Vesna Trkeš, Denis Baričević, Marta Koršić, Maja Juričić Kursan, Tajana Jalušić Glunčić, Latinka Basara, Mateja Janković Makek
PA1169	**Development of asthma-related symptoms in mild or moderate COVID-19 patients several months post infection: A descriptive case series from a pneumologist outpatient clinic** Miriam Marchon (Faoug, Switzerland), Andrea Stieger, Severin Wittmer
PA1170	**Patterns of dyslipidaemia in postCOVID19 follow up patients; food for thought** Irma Bracka (GALATSI ATHENS, Greece), Irma Bracka, Ioannis Machairas Sallas, Spyridon Mazarakis, Christina Gkriniouk, Elli Keramida, Andreas Paraskevas, Eleni Bellou, Theodoros Daskalos, Ioannis Karampinis, Panagiotis Demertzis, Venia Papagiannopoulou, Georgia Hardavella
PA1171	**Trajectory of patient-reported outcomes (PROMs) up to 6 months after hospitalization for SARS-CoV-2** Susanne M. Huijts (Utrecht, Netherlands), Julia Berentschot, L.M. Bek, H.G. Van Den Berg-Emons, M.H. Heijenbrok-Kal, G.M. Ribbers, J.G.J.V. Aerts, M. Hellemons
PA1172	**Depression, anxiety, traumatic stress and burnout in healthcare workers (HCWs) during the COVID-19 pandemic in Greece:a multi-center, cross-sectional study** Nikolaos Athanasiou (Athens, Greece), Sofia Pappa, Stavros Patrinos, Zafeiria Barmparessou, Stamatoula Tsikrika, Andreas Adraktas, Athanasia Pataka, Ilias Migdalis, Sofia Gida, Paraskevi Katsaounou
PA1173	**Pulmonary function and tomographic features of COVID-19 survivors 2 months after hospital discharge: a cohort study** Nina Visconti (Rio De Janeiro (RJ), Brazil), Michelle Cailleux-Cezar, Barbara Bracarense, Fabio Amorim, Fernanda Silva, Nadja Graça, Luiz Paulo Loivos, Domenico Capone, Maria Izabel Santos, Alexandre Cardoso, Fernanda Mello

PA1174	**Symptoms and quality of life in Finnish COVID-19 survivors – women more symptomatic after six months** Anna Lindahl (Helsinki, Finland), Miia Aro, Jere Reijula, Mika Juhani Mäkelä, Jukka Ollgren, Mervi Puolanne, Asko Järvinen, Tuula Vasankari

Channel 1 Session 131 14:30 - 15:45

Challenging clinical cases: CCC Paediatric respiratory diseases

Aims : To describe the history, pathology, analysis and treatment of complex clinical cases in paediatric respiratory diseases area. The session leaders will facilitate discussion among the case presenters and the audience in order to examine and discuss each case.

Disease(s) : Paediatric respiratory diseases

Tag(s) : Clinical

Target audience : Paediatrician, Clinical researcher, General practitioner, Nurse, Physiologist, Radiologist, Physician in Pulmonary Training, Respiratory critical care physician, Respiratory physiotherapist

Chairs : Monika Gappa (Düsseldorf, Germany), Stefan Unger (Edinburgh (Edinburgh), United Kingdom)

14:30	**Introduction**	**1175**
14:35	**One bug, many drugs** Kushalinii Hillson (Great Kingshill, United Kingdom)	**1176**
14:45	**Telehealth possibilities and pitfalls in COVID-19 lockdown: a case of hypoxia in a child** Marco Zampoli (Cape Town, South Africa)	**1177**
14:55	**DRESS to Impress: A Case of Eosinophilic Bronchiectasis with Systemic Sequelae** Elise Cole (Glasgow, United Kingdom)	**1178**
15:05	**Unusual cause of newborn respiratory distress** Arlette Andrade (La Serena, Chile)	**1179**
15:15	**Clubbing: A learning curve** Laura Gardner (LONDON, United Kingdom)	**1180**
15:25	**Discussion and Q&A**	**1181**

Channel 2 Session 132 14:45 - 16:15

Oral presentation: COVID-19: insights from respiratory physiotherapists

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

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

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

Tag(s) : COVID

Chairs : Chris Burtin (Diepenbeek, Belgium), Victoria Alcaraz Serrano (Barcelona, Spain)

OA1182	**Introduction**
OA1183	**Impact of wearing different facial masks on respiratory symptoms, oxygen saturation, and functional capacity during six-minute walk test (6MWT) in healthy young adults** Sauwaluk Dacha (Chiang Mai, Thailand), Busaba Chuatrakoon, Kanphajee Sornkaew, Kamonchanok Sutthakhun, Putsamon Weeranorapanich
OA1184	**Association between functionality and respiratory impairment after hospitalization for COVID-19: a cohort study** Celso Ricardo Fernandes de Carvalho (São Paulo (SP), Brazil), Caroline Gil Godoy, Érika Christina Gouveia-Silva, Rafaella Fagundes Xavier, Danielle Brancolini Oliveira, Luciana Cassimiro, Vinicius Iamonti, Carlos Toufen Jr, Carlos R R Carvalho, José Eduardo Pompeu
OA1185	**Physical and self-reported abnormalities to Long-COVID in hospitalized and non-hospitalized COVID-19 patients: A single-center cross-sectional study** Henrik Hansen (Dragør, Denmark), Stine Jonsen, Stefan Sattler, Kamilla Miskowiak, Keerthana Kunalan, Allan Victor, Lars Pedersen, Helle Frost Andreassen, Barbara Jolanta Jørgensen, Hanne Heebøll, Michael Brun Andersen, Lisbeth Marner, Carsten Hædersdal, Sisse Bolm Ditlev, Celeste Porsbjerg, Thérèse Lapperre

OA1186	**Severe fatigue in long COVID - a follow-up study** Maarten Van Herck (Diepenbeek, Belgium), Yvonne Goërtz, Sarah Houben-Wilke, Felipe Machado, Roy Meys, Jeannet Delbressine, Anouk Vaes, Chris Burtin, Rein Posthuma, Frits Franssen, Bita Haijan, Herman Vijlbrief, Yvonne Spies, Alex Van 'T Hul, Daisy Janssen, Martijn Spruit
OA1187	**Post-Discharge Telerehabilitation Practices In Covid-19 Patients** Esra Pehlivan (Istanbul, Turkey), Ismail Palalı, Sibel Gayretli, Demet Turan, Halit Çınarka, Erdoğan Çetinkaya
OA1188	**PULMONARY REHABILITATION IN INDIVIDUALS POS-ACUTE COVID-19 INFECTION: PRELIMINARY RESULTS** Rafaella Xavier (São Paulo (SP), Brazil), Caroline Godoy, Erika Gouveia E Silva, Vinicius Iamonti, Jose Eduardo Pompeu, Carlos Toufen Jr., Carlos Carvalho, Celso Carvalho
OA1190	**Face-to-face pulmonary rehabilitation in the middle of the pandemic: patients' views** Maria Gomes (Albergaria-à-Velha, Portugal), Maria Gomes, Sara Almeida, Sara Souto-Miranda, Guilherme Rodrigues, Alda Sofia Pires De Dias Marques
OA1191	**Late Breaking Abstract - Physical activity-related aspects of individuals with COPD in social isolation due to the COVID-19 pandemic.** Nidia Aparecida Hernandes (Londrina (PR), Brazil), Andrea Daiane Fontana, André Vinicius Santana, Lorena Paltanin Schneider, Rafaela Cristina Almeida, Leandro Cruz Mantoani, Karina Couto Furlanetto, Raquel Pastrello Hirata, Thainá Bessa, Carlos Augusto Marçal Camillo, Fabio Pitta
OA1192	**Late Breaking Abstract - Physical activity recovery in patients with COVID-19 infection included in pulmonary rehabilitation** Marieke Wuyts (Leuven, Belgium), Marieke Wuyts, Stephanie Everaerts, Yannick Vande Weygaerde, Bihiyga Salhi , Fien Hermans, Eric Derom, Natalie Lorent, Wim Janssens, . On Behalf Of Leuven-Gent Pulmonary Rehabilitation Teams
OA1193	**Discussion**

Channel 3 Session 133 14:45 - 16:15

Oral presentation: Clinical trials in airway diseases: novel treatments and new evidence

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Airway diseases

Method(s) : Endoscopy and interventional pulmonology General respiratory patient care Pulmonary function testing

Chairs : Celeste Michala Porsbjerg (Copenhagen, Denmark), Alberto Papi (Ferrara, Italy)

OA1194	**Introduction**
OA1195	**Safety, pharmacokinetics, and pharmacodynamics of TD-8236, an inhaled pan-JAK inhibitor, following single- and multiple-ascending doses in healthy volunteers and mild asthmatics** Nathan Pfeifer (South San Francisco, United States of America), Tadhg Guerin, Kenneth Colley, Wayne Yates, Elad Kaufman, Jacky Woo, Richard Graham, David Bourdet, Dave Singh
OA1196	**Inhaled JAK inhibitor GDC-4379 reduces FeNO in patients with mild asthma** Hubert Chen (South San Francisco, United States of America), Rebecca Kunder, Yixuan Zou, Hallam Gugelmann, Joshua Galanter, Rui Zhu, Ryan Owen, Tracy Staton, Matthew Wright, Matthew Durk, Avi Eliahu, Maria Wilson, Richard Beasley, Irene Braithwaite
OA1197	**Phase 1 study of a novel, prolonged-action anti-IL-5 monoclonal antibody in asthma** Dave Singh (Manchester, United Kingdom), Rainard Fuhr, Nicholas Bird, Sarah Mole, Kelly Hardes, Yau Lun Man, Anthony Cahn, Steven Yancey, Isabelle Pouliquen
OA1198	**Effect of tezepelumab on the proportion of exacerbation-free patients with severe, uncontrolled asthma in NAVIGATOR** Stephanie Korn (Mainz, Germany), Arnaud Bourdin, Geoffrey Chupp, Gene Colice, Christopher S Ambrose, Kamil Kmita, Jean-Pierre Llanos-Ackert, Nestor Molfino, Bill Cook
OA1199	**Improvements in cough severity and cough-related quality of life in a phase 2 trial (RELIEF) with the P2X3 antagonist BLU-5937 in refractory chronic cough (RCC)** Surinder S. Birring (London, United Kingdom), Jaclyn A. Smith, Alyn H. Morice, Mandel Sher, James H. Hull, Alan B. Goldsobel, Sylvain Lanouette, Ella Li, Laurent Harvey, Catherine M. Bonuccelli
OA1200	**Intravenous iron replacement improves exercise tolerance in COPD: A randomised trial** Clara Martin Ontiyuelo (Barcelona, Spain), Anna Rodó Pin, Daniel Echeverría Esnal, Mireia Admetlló, Xavier Duran Jordà, Joaquim Gea, Esther Barreiro, Diego A. Rodríguez-Chiaradía

OA1201	**Durability of Zephyr Valve treatment: 24-month follow-up in the TRANSFORM Study** Alan Kirk (Clydebank, United Kingdom), Dirk-Jan Slebos, Malgorzata Kornaszweska, Pallav Shah, Kris Carron, Herve Mal, Christophe Pison, Nicola Downer, Kaid Darwiche, Jagan Rao, Ralf-Harto Hübner, Valéry Trosini-Desert, Ralf Eberhardt, Felix Herth, Eric Derom, Charles Marquette, NARINDER SHARGILL, Samuel Kemp
OA1202	**Discussion**

Channel 4 Session 134 14:45 - 16:15

Oral presentation: The future of idiopathic pulmonary fibrosis

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.
This session includes the Best Abstract for Assembly 12 - Interstitial Lung Diseases, entitled "Results of a phase 2 study of GLPG1205 for idiopathic pulmonary fibrosis (PINTA)"

Disease(s) : Interstitial lung diseases

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

Chairs : Wim A Wuyts (Leuven, Belgium), Nazia Chaudhuri (Manchester (Greater Manchester), United Kingdom)

OA1203	**Introduction**
OA1204	**Prognostic significance of dose reduction of antifibrotics in patients with IPF** Simon Porse (København N, Denmark), Nils Hoyer, Thomas Skovhus Prior, Elisabeth Bendstrup, Saher B. Shaker
OA1205	**Lung cancer in patients with Idiopathic Pulmonary Fibrosis. A retrospective multicenter study in Europe.** Theodoros Karampitsakos (Athens, Greece), Nesrin Mogulkoc, Michael Kreuter, Wim Wuyts, Sara Tomassetti, Elisabeth Bendstrup, Maria Molina-Molina, Paolo Spagnolo, Effrosyni Manali, Ömer Selim Unat, Nicolas Kahn, Lykourgos Kolilekas, Elisabetta Rosi, Leonardo Gori, Claudia Ravaglia, Zoe Daniil, Thomas Skovhus Prior, Ilias Papanikolaou, Samantha Aso, Stavros Tryfon, Despoina Papakosta, Elisabetta Balestro, Spyridon Papiris, Katerina Antoniou, Demosthenes Bouros, Argyris Tzouvelekis
OA1206	**Outcomes of patients with progressive fibrosing interstitial lung disease (PF-ILD) – data from a prospective ILD registry** Michael Kreuter (Heidelberg, Germany), Hans-Joachim Kabitz, Lars Hagmeyer, Peter Hammerl, Albert Esselmann, Conrad Wiederhold, Dirk Skowasch, Christoph Stolpe, Marcus Joest , Stefan Veitshans , Marc Höffgen, Phillen Maqhuzu, Larisa Schwarzkopf, Andreas Hellmann, Michael Pfeifer, Jürgen Behr , Rainer Karpavicius, Andreas Günther , Felix J. F. Herth , Philipp Markart
OA1207	**STARLINER study, disease behaviour assessed by a wide range of parameters including patient-reported outcomes (PRO) results** Elisabeth Bendstrup (Aarhus N, Denmark), Marlies S. Wijsenbeek, Claudia Valenzuela, Michael T. Henry, Monica Bengus, Frank Gilberg, Klaus-Uwe Kirchgaessler, Carlo Vancheri
OA1208	**Profile of antimicrobial peptides in the bronchoalveolar lavage of patients with interstitial lung diseases** Ruben Osuna Gómez (Barcelona, Spain), Ruben Osuna Gómez, Sandra Orozco Echevarria, Paloma Millán Billi, Silvia Vidal Alcorisa, Diego Castillo Villegas
OA1209	**LSC - 2021 - The effect of long-term personal air pollution exposure on the inflammatory mediators in Idiopathi c Pulmonary Fibrosis** Ioannis Tomos (Athens (P. Faliro), Greece), Konstantina Dimakopoulou (kdimakop@med.uoa.gr / Department of Hygiene, Epidemiology and Medical Statistics, Medical School, National and Kapodistrian University of Athens,Athens), Effrosyni Manali (fmanali@otenet.gr / 2nd Pulmonary Medicine Department, Medical School, National and Kapodistrian University of Athens, “ATTIKON” University Hospital,Haidari), Anna Karakatsani (akarakats@med.uoa.gr / 2nd Pulmonary Medicine Department, Medical School, National and Kapodistrian University of Athens, “ATTIKON” University Hospital,“This research is co-financed by Greece and the European Union (European Social Fund-ESF) through the Operational Programme “Human Resources Development, Education and Lifelong Learning 2014-2020 in the context of the project “The effects of air pollution exposure on patients with idiopathic pulmonary fibrosis” (MIS 5048157).”)
OA1210	**Prevalence and clinical associations of myositis antibodies in a large cohort of interstitial lung diseases** Sofia A. Moll (Nieuwegein, Netherlands), Mark Platenburg, Anouk Platteel, Renske Vorselaars, Montse Bonàs, Raisa Kraaivanger, Claudia Roodenburg-Benschop, Bob Meek, Coline Van Moorsel, Jan Grutters
OA1211	**Validation of the artificial intelligence software to detect chronic fibrosing interstitial lung diseases in chest X-ray** Hirotaka Nishikiori (Sapporo, Japan), Kenichi Hirota, Tomohiro Suzuki, Yuso Takagi, Seiwa Honda, Kimiyuki Ikeda, Yuki Mori, Yuichiro Asai, Naoya Yama, Hirofumi Ohnishi, Masamitsu Hatakenaka, Hirofumi Chiba
OA1212	**Discussion**

Channel 5 Session 135 14:45 - 16:15

Oral presentation: Mechanistic pathways in chronic and new lung diseases

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

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

Method(s) : Cell and molecular biology

Chairs : Aurelie Fabre (Dublin 4, Ireland), Guillaume Beltramo (Dijon, France)

OA1213	**Introduction**
OA1214	**Inhaled corticosteroids reduce senescence in endothelial progenitor cells from COPD patients** Koralia Paschalaki (London, United Kingdom), Christos Rossios, Vassilis Gorgoulis, Anna Randi, Pater Barnes
OA1215	**Proteomics approach to identify COPD-related changes in pulmonary fibroblasts** Niek Bekker (Reeuwijk, Netherlands), Alienke Van Pijkeren, Justina Clarinda Wolters, Alejandro Sánchez Brotons, Victor Guryev, Rainer Bischoff, Wynand Alkema, Maarten Van Den Berge, Peter Horvatovich, Wim Timens, Corry-Anke Brandsma
OA1216	**Increased arterial remodelling in smokers and mild-moderate COPD patients are indicative of potential early onset of pulmonary hypertension.** Prem Bhattarai (Launceston, Australia), Wenying Lu, James Markos, Collin Chia, Josie Larby, Greg Haug, Andrew Williams, Stephen Myers, Ashutosh Hardikar, Archana Vijay Gaikwad, Surajit Dey, Gurpreet Kaur Singhera, Tillie L. Hackett, Mathew Suji Eapen, Sukhwinder Singh Sohal
OA1217	**Increased expression of SARS-CoV-2 (Covid-19) adhesion sites on type II pneumocytes, small airway epithelium, and alveolar macrophages in smokers and patients with COPD** Samuel James Brake (Newnham, Australia), Wenying Lu, James Markos, Josie Larby , Collin Chia, Greg Haug, Heinrich C. Weber, Kielan Darcy Mcalinden, Ashutosh Hardikar, Gurpreet Kaur Singhera, Tillie L. Hackett, Mathew Suji Eapen, Sukhwinder Singh Sohal
OA1218	**Association of the salivary microbiome with asthma exacerbations** Javier Perez-Garcia (San Cristóbal de La Laguna, Spain), Javier Pérez García, Antonio Espuela-Ortiz, José M. Hernandez-Perez, Ruperto González-Pérez, Olaia Sardón, Elena Martin-Gonzalez, Elena Mederos-Luis, Paula Corcuera, Inmaculada Sánchez-Machín, Paloma Poza-Guedes, Ariel Callero, Mario González, Luis Manuel González García, Javier Korta-Murua, Jesús Villar, Maria Pino-Yanes, Fabian Lorenzo-Diaz
OA1219	**USEFULNESS OF MIRNAS AS PREDICTORS OF LUNG CANCER IN PATIENTS WITH COPD. A PILOT SUTDY** Noemi Cerón Pisa (Palma, Illes Balears, Spain), Amanda Iglesias Coma, Francisco Javier Verdú Rivera, Josep Muncunill Farreny, Jaume Sauleda Roig
OA1220	**Impact of prematurity on rabbit lung development: a key factor for mimicking chronic neonatal lung disease** Matteo Storti (Parma, Italy), Francesca Ricci, Costanza Casiraghi, Chiara Catozzi, Francesca Ravanetti, Luisa Ragionieri, Roberta Ciccimarra, Matteo Zoboli, Gino Villetti, Maurizio Civelli, Fabrizio Salomone, Barbara Montanini, Simone Ottonello
OA1221	**Diagnosis of Primary Ciliary Dyskinesia: a multi-center experience** Rim Hjeij (Münster, Germany), Sandra Cindric, Heike Olbrich, Petra Pennekamp, Niki T. Loges, Gerard W. Dougherty, Julia Wallmeier, Johanna Raidt, Heymut Omran
OA1222	**Arterial remodelling in patients with idiopathic pulmonary fibrosis (IPF) and the possible role of endothelial to mesenchymal transition (EndMT)** Archana Gaikwad (Launceston (TAS), Australia), Wenying Lu, Surajit Dey, Prem Bhattarai, Collin Chia, Josie Larby, Greg Haug, Stephen Myers, Samuel James Brake, Jade Jaffar, Glen Philip Westall, Gurpreet Kaur Singhera, Tillie-Louise Hackett, James Markos, Mathew Suji Eapen, Sukhwinder Singh Sohal
OA1223	**Late Breaking Abstract - Transcriptional response to RSV in asthma primary bronchial epithelial cells: are the basal cells responsible for the reduced NF-kB response?** Aurore Gay (Groningen, Netherlands), Marijn Berg, Orestes Carpaij, Uilke Brouwer, Djoke Van Gosliga, Hananeh Aliee, Bart Lambrecht, Maarten Van Den Berge, Rudi Hendriks, Gerard Koppelman, Louis Bont, Martijn Nawijn
OA1224	**Discussion**

Studio Amsterdam Session 136 14:45 - 16:15

Symposium: Digital health in respiratory medicine: opportunities for everyone

Aims : To discuss the potential for implementation of e-Health/m-Health technologies in routine respiratory medicine; to explain novel methods for telemonitoring, telerehabilitation, use of artificial intelligence technologies and m-Health for different groups of respiratory patients; to identify the main challenges for adoption and implementation of e-Health/m-Health technologies in clinical practice; to provide an update on developments in digital technology and demonstrate its use in clinical practice.

Disease(s) : Paediatric respiratory diseases | Pulmonary vascular diseases | Sleep and breathing disorders

Method(s) : General respiratory patient care | Imaging | Pulmonary rehabilitation

Tag(s) : Clinical, Digital health

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 : Vitalii Poberezhets (Vinnytsia, Ukraine), Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom)

14:45	**Introduction**	**1225**
14:50	**The World Health Organization actions on digital health for tuberculosis: perspectives for respiratory medicine** Dennis Falzon (Genève, Switzerland)	**1226**
15:05	**Artificial intelligence in the clinic: possible roles for pulmonary rehabilitation tests** Wim Janssens (Leuven, Belgium)	**1227**
15:20	**Telerehabilitation and telemonitoring of pulmonary patients** Ioannis Vogiatzis (Newcastle upon Tyne, United Kingdom)	**1228**
15:35	**Behavioural changes of patients and health professionals in the digital era** Marieke Verkleij (Amsterdam, Netherlands)	**1229**
15:50	**Discussion and Q&A**	**1230**

Studio Barcelona Session 137 14:45 - 16:15

State of the art session: Respiratory infections

Emerging challenges and opportunities in respiratory infections

Aims : To review the challenges and opportunities in respiratory infections, including antibiotics for pneumonia, bronchiectasis, antibiotic resistance and challenges for the upcoming decade; to discuss the available evidence and more recent recommendations regarding treatment and prevention of tuberculosis (TB).

Disease(s) : 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, Nurse, Patient, Physician in Pulmonary Training, Respiratory therapist

Chairs : Daiana Stolz (Basel, Switzerland), Tobias Welte (Hannover, Germany)

14:45	**Introduction**	**1231**
14:50	**Bronchiectasis: state-of-the-art diagnostic and therapeutic approaches** Amelia Shoemark (Dundee (Angus), United Kingdom)	**1232**
15:05	**Antibiotic resistance in respiratory infections: challenges and actions for the upcoming decade** Michal Shteinberg (Haifa, Israel)	**1233**
15:20	**Has the time come to shorten TB treatment and TB preventive therapy?** Cécile Magis-Escurra (Nijmegen, Netherlands)	**1234**
15:35	**The challenges of severe pneumonia: new pathogens, new drugs and new formulations** Michael S Niederman (New York, United States of America)	**1235**
15:50	**Discussion and Q&A**	**1236**

Studio London Session 138 14:45 - 16:15

Symposium: Diagnostic and therapeutic advances in mesothelioma care

Aims : To describe the latest achievements in diagnosis and treatment of pleural mesothelioma in light of the recent application of artificial intelligence for medical diagnosis and care.

Disease(s) : Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology Epidemiology Surgery

Tag(s) : Clinical, Digital health

Target audience : Adult pulmonologist/Clinician, Medical Student, Nurse, Respiratory critical care physician, Radiologist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon

Chairs : Federica Meloni (Pavia (PV), Italy), Torsten Gerriet Blum (Berlin, Germany)

14:45	**Introduction**	**1237**
14:50	**Artificial intelligence in diagnosis of mesothelioma** Françoise Galateau-Salle (Lyon, France)	**1238**
15:05	**The next mesothelioma frontiers: targeted therapies** Jens Soerensen (Copenhagen, Denmark)	**1239**
15:20	**Intrathoracic hyperthermic chemotherapy: facts and fables** Till Markowiak (Regensburg, Germany)	**1240**
15:35	**Surgery in the era of immune and targeted therapy** Isabelle Opitz (Zurich, Switzerland)	**1241**
15:50	**Discussion and Q&A**	**1242**

Studio Munich Session 139 14:45 - 16:15

Hot topics: Environment, air pollution, health and respiratory disease

Aims : To discuss the need for clean air by patients with asthma and allergies; to explain the impact of air pollutants on the early origins of airway disease; to present the main effects of heat on health and its interaction with air pollution; to explain the link between inhaled therapies and pollution.

Method(s) : Epidemiology Public health

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Patient, Physician in Pulmonary Training

Chairs : Richard Costello (Dublin 9, Ireland), Raquel Duarte (Porto, Portugal)

14:45	**Introduction**	**1243**
14:50	**The need for clean air: asthma and allergy** Barbara Hoffmann (Düsseldorf, Germany)	**1244**
15:05	**Air pollutants: mechanisms in the early origins of airway disease** Silvia Carraro (Padova (PD), Italy)	**1245**
15:20	**Beyond heat stroke: effects of heat on health** Ana M Vicedo-Cabrera (Bern, Switzerland)	**1246**
15:35	**Inhaled therapies: plastics, propellants, and pollutants** Omar S. Usmani (London, United Kingdom)	**1247**
15:50	**Discussion and Q&A**	**1248**

Studio Paris Session 140 14:45 - 16:15

Lungs on fire: LoF Pulmonary vascular diseases?

Aims : To describe real-life clinical cases during the innovative interactive session, including the presentation of cases that have various levels of difficulty and often necessitate a differential diagnosis. This session will be led by a discussant, who will present the cases to a panel of experts and the audience. The discussant will encourage discussion among the panel of experts, who are encountering these cases for the first time. To further determine diagnostic and therapeutic options for these patients, the discussant will also invite audience participation in the reflexion and discussion of these cases.

Disease(s) : Pulmonary vascular diseases Respiratory infections

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

Chairs : Marion Delcroix (Leuven, Belgium), Marc Humbert (Le Kremlin-Bicêtre, France), Sheila Ramjug (Altrincham, United Kingdom)

Discussants : Luke Howard (London, United Kingdom)

14:45	**Introduction**	**1253**
14:50	**Presentation of cases by the session facilitator** Luke Howard (London, United Kingdom)	**1254**
	Case 1 - Author: Elif Agaoglu, United Kingdom	**1249**
	Case 2 - Author: Shweta Anand, India	**1250**
	Case 3 - Author: Marta Alexandra Carvalho Da Silva, Portugal	**1251**
	Case 4 - Author: Nemsi Ella, Tunisia	**1252**
16:10	**Session wrap-up**	**1255**

Channel 6 Session 141 14:45 - 16:15

Oral presentation: COVID-19 acute respiratory distress syndrome

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.
This session includes the Best Abstract for Assembly 2 - Respiratory Intensive Care, entitled "Association between PEEP and VFD in COVID–19 ARDS”

Disease(s) : Respiratory critical care

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

Tag(s) : COVID

Chairs : Christian Karagiannidis (Cologne, Germany), Ignacio Martin-Loeches (Dublin, Ireland)

OA1256	**Introduction**
OA1257	**Use of low tidal volume ventilation (LTVV) has an association with outcome in COVID-19 patients** Sunny Nijbroek (Amsterdam, Netherlands), Dimitri Ivanov, Liselotte Hol, Markus Hollmann, Ary Serpa Neto, Marcus Schultz, Frederique Paulus
OA1258	**Association between PEEP and VFD in COVID–19 ARDS** Christel Valk (Amsterdam, Netherlands), Anissa Tsonas, Michela Botta, Lieuwe Bos, Janesh Pillay, Ary Serpa Neto, Marcus Schultz, Frederique Paulus
OA1259	**Use of neuromuscular blocking agents in mechanically ventilated patients with COVID-19: A propensity score analysis** Gianluigi Li Bassi (Brisbane, Australia), Kristen Gibbons, Jacky Suen, Heidi Dalton, Nicole White, Amanda Corley, Samuel Hinton, Simon Forsyth, John Laffey, Daniel Brodie, Aidan Burrell, Eddy Fan, Robert Bartlett, Antoni Torres, Davide Chiumello, Alyaa Elhazmi, Carol Hodgson, Shingo Ichiba, Carlos Luna, Srinivas Murthy, Alistair Nichol, Pauline Yeung Ng, Mauro Panigada, John Fraser
OA1260	**Ventilation management and clinical outcomes in invasively ventilated patients with COVID-19 from CIBERESUCICOVID study** Antoni Torres Marti (Barcelona, Spain)
OA1261	**Impaired ventilation is not independently associated with 28-day mortality in coronavirus disease 2019 (COVID-19) acute respiratory distress syndrome (ARDS)** Luis Fernando Morales Quinteros (Barcelona, Spain), Ary Serpa Neto, Antonio Artigas, Lluis Blanch, Michella Botta, David A Kaufman, Marcus J Schultz, Anissa Tsonas, Frederique Paulus, Lieuwe D Bos
OA1262	**Associations of BMI with ventilation management and outcomes in COVID-19 ARDS patients** Renee Schavemaker (Amsterdam, Netherlands), Marcus Schultz, Wim Lagrand, Eline Van Slobbe–bijlsma, Ary Serpa Neto, Frederique Paulus
OA1263	**Prone positioning in patients with COVID-19 under invasive mechanical ventilation and acute respiratory distress syndrome: a multicenter cohort study** Marieta Cabral Amaral Cunha (São Paulo, Brazil), Rodrigo Della Méa Plentz, Guadalupe Nery De Sant'Anna, Adriana Claudia Lunardi, Larissa Padrão Isensee, Rafaella Fagundes Xavier, Jociane Schardong, Natiele Camponogara Righi, Juliana Carvalho Ferreira, Celso Ricardo Fernandes Carvalho

OA1264	**Effect of fully-automated vs conventional ventilation on mechanical power of ventilation in COVID–19 ARDS patients** Laura A. Buiteman-Kruizinga (Delft, Netherlands), Hassan E. Mkadmi, Ary Serpa Neto, Michela Botta, Marcus J. Schultz, Frederique Paulus, Pim L.J. Van Der Heiden
OA1265	**Convalescent plasma in severe COVID-19: a randomized, double-blind, placebo-controlled trial** Max O'Donnell (Brooklyn, United States of America)
OA1266	**Late Breaking Abstract - Tocilizumab (T) plus pembrolizumab (P) in patients (pts) with Covid-19 pneumonia: COPERNICO** Pilar Vizcarra (Madrid, Spain), Matilde Sanchez, José Manuel Pérez-García, María Gion, María Pilar Martialay, Javier Taboada, Sergio De La Torre, Miguel Sampayo-Cordero, Andrea Malfettone, Antonio Llombart-Cussac, Javier Cortés
OA1267	**Discussion**

15:30-16:15
INDUSTRY SKILLS LAB WORKSHOP SEE PAGE 1

Channel 1 Session 143 16:00 - 18:00

Language session: Spanish/Portuguese programme 2021
A joint ERS/ALAT/ASSOBRAFIR/SBPT/SEPAR/SPP session

Aims : To review the relationship between chronic obstructive pulmonary disease and pulmonary embolism; to explain the relationship between sleep apnoea and cancer; to provide an update on the management of parapneumonic pleural effusions; to describe the evolution of the use of bronchoscopy in the era of COVID-19; to provide an update on pulmonary rehabilitation after overcoming COVID-19.

Disease(s) : Airway diseases | Pulmonary vascular diseases | Respiratory critical care

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

Tag(s) : Basic science, COVID

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Thoracic oncologist, Thoracic surgeon

Chairs : Carlos Andres Jimenez Ruiz (Madrid, Spain), Irma De Godoy (BOTUCATU, Brazil), Mark Cohen Todd (Guatemala City, Guatemala), Daniel Da Cunha Ribeiro (Belo Horizonte (MG), Brazil), António Manuel Morais (Maia, Portugal)

16:00	**Introduction**	**1272**
16:05	**Chronic obstructive pulmonary disease and pulmonary embolism** David Jiménez Castro (Madrid, Spain)	**1273**
16:20	**Relationship between sleep apnoea and cancer** Miguel Ángel Martínez García (Valencia, Spain)	**1274**
16:35	**Update on the management of parapneumonic pleural effusions** Lisete Teixeira (São Paulo, Brazil)	**1275**
16:50	**Discussion and Q&A**	**1276**
17:03	**Bronchoscopy in the COVID-19 era** Fernando António Teixeira Guedes Rodrigues (Luxembourg, Luxembourg)	**1277**
17:18	**Acute management of COVID-19** Francisco Arancibia Hernandez (Santiago de Chile, Chile)	**1278**
17:33	**Pulmonary rehabilitation after COVID-19** Vinicius Zacarias Maldaner Da Silva (Brasília (DF), Brazil)	**1279**
17:48	**Discussion and Q&A**	**1280**

Studio Amsterdam Session 144 16:15 - 16:30

Breakout room: Breakout room: Symposium, Digital health in respiratory medicine: opportunities for everyone

Chairs : Carla Ribeiro (Vila Nova de Gaia, Portugal), Wim Janssens (Leuven, Belgium), Ioannis Vogiatzis (Newcastle upon Tyne, United Kingdom), Marieke Verkleij (Amsterdam, Netherlands), Dennis Falzon (Genève, Switzerland)

Studio Barcelona Session 145 16:15 - 16:30

Breakout room: Breakout room: State of the art session, Respiratory infections

Chairs : Flávia Fonseca Fernandes (Brasília, Brazil), Amelia Shoemark (Dundee (Angus), United Kingdom), Michal Shteinberg (Haifa, Israel), Cécile Magis-Escurra (Nijmegen, Netherlands), Michael S Niederman (New York, United States of America)

Studio London Session 146 16:15 - 16:30

Breakout room: Breakout room: Symposium, Diagnostic and therapeutic advances in mesothelioma care

Chairs : Lucia Carolina Viola Muñoz (Bogotá, Colombia), Françoise Galateau-Salle (Lyon, France), Jens Soerensen (Copenhagen, Denmark), Till Markowiak (Regensburg, Germany), Isabelle Opitz (Zurich, Switzerland)

Studio Munich Session 147 16:15 - 16:30

Breakout room: Breakout room: Hot topics, Environment, air pollution, health and respiratory disease

Chairs : Justine Devulder (London, United Kingdom), Barbara Hoffmann (Düsseldorf, Germany), Silvia Carraro (Padova (PD), Italy), Ana M Vicedo-Cabrera (Bern, Switzerland), Omar S. Usmani (London, United Kingdom)

Studio Paris Session 148 16:15 - 16:30

Breakout room: Breakout room: Lungs on fire : LoF Pulmonary vascular diseases?

Chairs : Alguili Elsheikh (Basildon, United Kingdom), Luke Howard (London, United Kingdom)

Channel 2 Session 149 16:30 - 18:00

Oral presentation: Deep phenotyping of obstructive diseases for precision medicine

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Airway diseases

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

Chairs : Florence Schleich (Liège, Belgium), Guy Brusselle (Ghent, Belgium)

OA1281	**Introduction**
OA1282	**Neutrophilic inflammation in sputum does not define a clinical distinct asthma phenotype in ATLANTIS** Pauline Kuks (Groningen, Netherlands), Tessa Kole, Monica Kraft, Salman Siddiqui, Leonardo Fabbri, Klaus Rabe, Gabriele Nicolini, Alberto Papi, Christopher Brightling, Dave Singh, Nazanin Zounemat-Kermani, Fan Chung, Ian Adcock, Huib Kerstjens, Maarten Van Den Berge
OA1283	**Association between functional small airways disease and 3-year change in emphysema in the SPIROMICS cohort** Wassim Labaki (Ann Arbor, United States of America), Charles Hatt, Alexander Bell, Craig Galban, Ella Kazerooni, Susan Murray, Jeffrey Curtis, Fernando Martinez, Igor Barjaktarevic, R. Graham Barr, Russell Bowler, Alejandro Comellas, Christopher Cooper, David Couper, Gerard Criner, Mark Dransfield, Nadia Hansel, Eric Hoffman, Richard Kanner, Jerry Krishnan, Victor Ortega, Robert Paine Iii, Prescott Woodruff, Meilan Han
OA1284	**Elastic principal graphs for clinical trajectory analysis in COPD: a COPDGene study** Alexander Bell (Ann Arbor, United States of America), Sundaresh Ram, Wassim Labaki, Susan Murray, Ella Kazerooni, Stefanie Galbán, Fernando Martinez, Charles Hatt, Evgeny Mirkes, Andrei Zinovyev, Alexander Gorban, Meilan Han, Craig Galbán
OA1285	**Identification of distinct trajectories of FEV1 progression in the ECLIPSE cohort** Sarah Rønnow (Herlev, Denmark), Joseph P.M. Blair, Jannie M.B. Sand, Bruce E. Miller, Ruth Tal-Singer, Jørgen Vestbo, Morten A. Karsdal, Diana J. Leeming
OA1286	**Salivary microbiota composition is associated with severe exacerbations** Sara Melo-Dias (Aveiro, Portugal), Carla Valente, Lília Andrade, Alda Marques, Ana Sousa
OA1287	**Exhaled breath analyses in bronchial thermoplasty for severe asthma** Pieta Wijsman (Amsterdam, Netherlands), Paul Brinkman, Annika Goorsenberg, Lieuwe Bos, Julia D'Hooghe, Els Weersink, Anke-Hilse Maitland-Van Der Zee, Jouke Annema, Peter Bonta

OA1288	**Quantification of inflammatory cytokines in exhaled breath particles following segmental and inhalation endotoxin challenge of healthy volunteers** Olaf Holz (Hannover, Germany), Saskia Carstensen, Meike Müller, Anna-Carin Olin, Jens M. Hohlfeld
OA1289	**Treatable traits in the NOVELTY study: prevalence, patterns and relationship with physician-assessed severity** Alvar Agusti (Barcelona, Spain), Eleni Rapsomaniki, Richard Beasley, Rod Hughes, Hana Müllerová, Alberto Papi, Ian D Pavord, Rosa Faner
OA1290	**The carnitine pathway is dysregulated in asthma in an oral corticosteroid-independent mechanism** Craig Wheelock (Stockholm, Sweden), Stacey Reinke, Shama Naz, Nazanin Kermani, Romanas Chaleckis, Johan Kolmert, Marika Ström, Åsa Wheelock, Ratko Djukanovic, Fan Chung, Ian Adcock, Sven-Erik Dahlen, . Ubiopred Study Group
OA1291	**Late Breaking Abstract - Performance of artificial intelligence in determining the intensity of abnormal breath sounds in asthma patients.** Tomasz Grzywalski (Swarzedz, Poland), Adam Maciaszek, Krzysztof Szarzyński, Honorata Hafke-Dys, Jędrzej Kociński, Barbara Kuźniar-Kamińska
OA1292	**Discussion**

Channel 3 Session 150 16:30 - 18:00

Oral presentation: Best of paediatric physiology and sleep research

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Sleep and breathing disorders Airway diseases

Method(s) : Imaging Epidemiology Public health Pulmonary function testing Physiology

Chairs : Refika Hamutcu Ersu (Ottawa, Canada), Enrico Lombardi (Florence, Italy)

OA1293	**Introduction**
OA1294	**Infant lung function and physical activity in pregnancy** Hrefna Katrín Gudmundsdóttir (Oslo, Norway), Oda C. L. Carlsen, Karen Eline Stensby Bains, Martin Färdig, Kai-Håkon Carlsen, Guttorm Haugen, Christine M. Jonassen, Marissa Leblanc, Björn Nordlund, Eva Maria Rehbinder, Håvard O. Skjerven, Anne Cathrine Staff, Riyas Vettukattil, Karin C. Lødrup Carlsen
OA1295	**Impulse oscillometry findings compared to spirometry in patients with neuromuscular disorders** Ji Soo Park (Seoul, Republic of Korea), Jihye Kim, Min Jung Kim, Yun Jung Choi, Jong-Hee Chae, Dong In Suh
OA1296	**Fluctuation analysis of FEV1 in children and adolescents with controlled asthma** Sotirios Fouzas (Patras, Greece), Eirini Sofia Frima, Dimos Gidaris, Nikolaos Karantaglis, Grigorios Chatziparasidis, Ilias Theodorakopoulos, Michael B Anthracopoulos, Urs Frey
OA1297	**Infant tidal flow-volume parameters and arousal state** Martin Färdig (Solna, Sweden), Karen Eline Stensby Bains, Hrefna Katrín Gudmundsdóttir, Catarina Almqvist, Kai-Håkon Carlsen, Gunilla Hedlin, Björn Nordlund, Cilla Söderhäll, Håvard Ove Skjerven, Riyas Vettukattil, Karin Cecilie Lødrup Carlsen
OA1298	**Low- and high-attenuation lung volume in quantitative chest CT in children** Athanasios G. Kaditis (Athens, Greece), Dimitrios Moutafidis, Maria Gavra, Sotirios Golfinopoulos, Antonios Kattamis, George Chrousos, Christina Kanaka-Gantenbein
OA1299	**Effects of the COVID-19 Lockdown on Sleep Duration in Children and Adolescents: A Survey Across Different Continents** Athanasios G. Kaditis (Athens, Greece), Adrienne Ohler, Alex Gileles-Hillel, Shoham Choshen-Hillel, David Gozal, Oliviero Bruni, Secil Aydinoz, Rene Cortese, Leila Kheirandish-Gozal
OA1300	**Later lung function in birthweight discordant monozygotic twins** Yasmin Salem Mahmoud (Bern, Switzerland), C. Corin Willers, Sofia Amylidi-Mohr, Anne-Christianne Kentgens, Philipp Latzin, Luigi Raio, Sophie Yammine
OA1301	**Spirometry forced expiratory time is driven by central airway obstruction in asthmatic children** Nicole Beydon (Paris, France), Florence Coquelin, Marc Koskas
OA1302	**Novel indices to improve the diagnostic ability of nocturnal oximetry in children with OSA** Sotirios Fouzas (Patras, Greece), Panagiota Pappa, Anastasios Goulioumis, Konstantinos Kourelis, Magdalini Tsiakou, Panagiotis Plotas, Aris Bertzouanis, Konstantinos Mourtzouchos, Athanasios Asimakopoulos

OA1303	**Late Breaking Abstract - Pulmonary function in children and adolescents after COVID-19** Anne Schlegtendal (Bochum, Germany), Leona Knoke, Christoph Maier, Thomas Lücke, Folke Brinkmann
OA1304	**Discussion**

Channel 4 Session 151 16:30 - 18:00

Oral presentation: Bronchiectasis heterogeneity: assessing the endotypes

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Airway diseases

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

Chairs : Pieter Goeminne (Bornem, Belgium), Lucy Morgan (Sydney (NSW), Australia)

OA1305	**Introduction**
OA1306	**The bronchiectasis 'bacteriophagome'** Micheál Mac Aogáin (Singapore, Singapore), Fransiskus Xaverius Ivan, Tavleen Jaggi, Holly R Keir, Alison J Dicker, Albert Lim Yick Hou, Mau Ern Poh, Martina Oriano, Mariko Siyue Koh, Ong Thun How, Augustine Tee, Teck Boon Low, John Arputhan Abisheganaden, Stefano Aliberti, Francesco Blasi, James D Chalmers, Sanjay H Chotirmall
OA1307	**Characterisation of eosinophilic bronchiectasis: A European multicohort study** Amelia Shoemark (Dundee (Angus), United Kingdom), Michal Shteinberg, Anthony De Soyza, Charles Haworth, Hollian Richardson, Lidia Perea, Alison Dicker, Pieter C Goeminne, Erin Cant, Eva Polverino, Josje Altenburg, Holly R Keir, Michael R Loebinger, Francesco Blasi, Tobias Welte, Oriol Sibila, Stefano Aliberti, James D Chalmers
OA1308	**The microbiology of stable bronchiectasis: data from the EMBARC bronchiectasis registry** Michal Shteinberg (Haifa, Israel), Eva Polverino, Pierre-Regis Burgel, Charles Haworth, Katerina Dimakou, Adam Hill, Michael Loebinger, Rosario Menendez, Antony Torres, Tobias Welte, Francesco Blasi, Felix Ringshausen, Anthony De-Soyza, Monserrat Vendrell, Amelia Shoemark, Wim Boersma, Robert Wilson, James Chalmers, Stuart Elborn, Stefano Aliberti, Pieter Goeminne, Josje Altenburg
OA1309	**Changes in sputum bacterial density in people with bronchiectasis: BRONCH UK Study data** Zina Alfahl (Belfast, United Kingdom), Gisli G. Einarsson, Katherine O'Neill, Deirdre F. Gilpin, J. Stuart Elborn, Kathryn Ferguson, Adam Hill, Michael R. Loebinger, Mary Carroll, Timothy Gatheral, Anthony De Soyza, James Chalmers, Christopher Johnson, John R Hurst, Jeremy Brown, Judy M. Bradley, Michael M. Tunney
OA1310	**Sputum neutrophil elastase and inhaled antibiotic response in bronchiectasis: a post-hoc analysis of the ORBIT-4 trial** Hani Abo-Leyah (Perth (Perthshire), United Kingdom), Hollian Richardson, Thomas Pembridge, Yonghua Gao, Pieter C Goeminne, Charles S Haworth, James D Chalmers
OA1311	**Mapping inflammatory endotypes of bronchiectasis associated with impaired mucociliary clearance** Mathieu Bottier (Dundee, United Kingdom), Erin Cant, Lilia Delgado, Diane M Cassidy, Yan Hui Giam, Alexandria Smith, Hollian Richardson, Alison J Dicker, Jeffrey T J Huang, Holly R Keir, Lidia Perea, Simon Finch, Stefano Aliberti, Oriol Sibila, James D Chalmers, Amelia Shoemark
OA1312	**Inhaled corticosteroids use in patients with bronchiectasis: Data from the EMBARC registry** Eva Polverino (Barcelona, Spain), James D. Chalmers, Stefano Aliberti, Charles Haworth, Francesco Blasi, Wim Boersma, Anthony De Soyza, Katerina Dimakou, Stuart Elborn, Michael Loebinger, Antoni Torres, Michal Shteinberg, Tobias Welte, Montserrat Vendrell, Felix Ringshausen, Rosario Menendez, Amelia Shoemark, Pierre Regis Burgel, Pieter Goeminne
OA1313	**Salivary proinflammatory cytokines and airway bacterial infection in Bronchiectasis** Lídia Perea Soriano (Barcelona, Spain), Rosa Faner, Belen Solarat, Alvar Agustí, Oriol Sibila
OA1314	**Immunometabolic markers and the sputum microbiome in bronchiectasis** Yan Hui Giam (Dundee (Angus), United Kingdom), Hollian Richardson, Alexandria Smith, Holly R. Keir, Diane Cassidy, Simon Finch, Stefano Aliberti, Oriol Sibila, Amelia Shoemark, James D. Chalmers
OA1315	**Late Breaking Abstract - The respiratory tract of patients with antibody deficiency on immunoglobulin replacement is characterised by inflammation and dysbiosis despite adequate levels of sputum IgG** Anna Schnell (Bern, Switzerland), David M. Lowe, Stefanie Graeter, Mehmet Davrandi, Siobhan O. Burns, Alexander Schaub, Moritz Saxenhofer, Maria Hauswald, Carolin Witte, Clara Leboreiro, Fernando Moreira, Irina Irincheeva, Ilka Schulze, Cedric Vonarburg, Annette Feussner
OA1316	**Discussion**

Channel 5 Session 152 16:30 - 18:00

Oral presentation: New evidence from longitudinal asthma cohorts and other key studies

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Airway diseases

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

Chairs : Guy Marks (Sydney (NSW), Australia), Vanessa Garcia-Larsen (Baltimore, United States of America)

OA1317	**Introduction**
OA1318	**Longitudinal modelling of lung function trajectories from childhood to early adulthood in the BAMSE cohort** Gang Wang (Stockholm, Sweden), Gang Wang, Jenny Hallberg, Simon Kebede Merid, Susanna Klevebro, Sophia Björkander, Olena Gruzieva, Rosa Faner, Alvar Agusti, Matteo Bottai, Antonis Georgellis, Anna Bergström, Inger Kull, Erik Melén
OA1319	**Do chronic obstructive lung diseases increase long-term mortality in Helsinki area - An Epilung study** Juuso Jalasto (Helsinki, Finland), Paula Kauppi, Ritva Luukkonen, Ari Lindqvist, Arnulf Langhammer, Hannu Kankaanranta, Helena Backman, Eva Rönmark, Bo Lundbäck, Anssi Sovijärvi, Päivi Piirilä
OA1320	**Father's prepuberty overweight and adult lung function and height in future sons** Marianne Lønnebotn (Bergen, Norway), Lucia Calciano, Michael Abramson, Bryndís Benediktsdóttir, Lennart Bråbäck, Karl A. Franklin, Mathias Holm, Nils Oskar Jõgi, Ane Johannessen, Jorunn Kirkeleit, Andrei Malinovschi, Raul Godoy Mayoral, Antonio Pereira-Vega, Vivi Schlünssen, Shyamali Dharmage, Simone Accordini, Francisco Gómez Real, Cecilie Svanes
OA1321	**Early life risk factors for asthma from childhood until age 28 years** Linnéa Almqvist (Boden, Sweden), Martin Andersson, Helena Backman, Eva Rönmark, Linnea Hedman
OA1322	**Urinary caffeine and caffeine metabolites and lung function in a nationwide study of U.S. adults** Yueh-Ying Han (Pittsburgh, United States of America), Erick Forno, Juan Celedon
OA1323	**Body mass index trajectories from childhood to middle age and related incidence, persistence and relapse of asthma from 43 to 53 years of age: a longitudinal cohort study** Gulshan Ali (melbourne, Australia), Adrian Lowe, Jennifer Perret, E.Haydn Walters, Caroline Lodge, David Johns, Alan James, Bircan Erbas, Garun Hamilton, Gayan Bowatte, Richard Wood-Baker, Michael Abramson, Dinh Bui, Shyamali Dharmage
OA1324	**Risk factors associated with severe COVID-19 in asthma. A report from the Swedish National Airway Register** Johanna Karlsson Sundbaum (Luleå, Sweden), Jon R Konradsen , Lowie Vanfleteren , Sten Axelsson Fisk, Fredrik Nyberg, Christophe Pedroletti, Yvonne Sjöö, Jörgen Syk, Anne Lindberg, Alf Tunsäter, Ann Ekberg Jansson, Caroline Stridsman
OA1325	**The impact of ethnicity on disease presentation and control in severe asthma** John Busby (Belfast, United Kingdom), Liam G Heaney, Thomas Brown, Rekha Chaudhuri, Paddy Dennison, Robin Gore, David J Jackson, Adel H Mansur, Andrew Menzies-Gow, Simon Message, Rob Niven, Mitesh Patel, David Price, Salman Siddiqui, Robert Stone, Paul Pfeffer
OA1326	**Assesing the impact of corticosteroids on bone health in people with asthma: a systematic review and meta-analysis** Christos Chalitsios (Nottingham, United Kingdom), Dominick Shaw, Tricia Mckeever
OA1327	**Late Breaking Abstract - Childhood farming environment: Association to age at asthma diagnosis in a population -based study** Heidi Andersén (Vaasa, Finland), Pinja Ilmarinen, Jasmin Honkamäki, Leena E Tuomisto, Hanna Hisinger-Mölkänen, Helena Backman, Bo Lundbäck, Eva Rönmark, Lauri Lehtimäki, Anssi Sovijärvi, Päivi Piirilä, Hannu Kankaanranta
OA1328	**Discussion**

16:30-17:15
INDUSTRY SKILLS LAB WORKSHOP SEE PAGE 1

Studio Amsterdam Session 154 16:30 - 18:00

Symposium: Digital health meets sleep breathing disorders

Aims : To provide a state-of-the-art overview of the growing role of digital health and telemedicine in the management of patients with different sleep breathing disorders; to describe the recent development of new technologies for diagnosis, treatment and follow-up of patients with sleep breathing disorders; to describe the optimal use of these new technologies and explain their cost-effectiveness; to describe the current and possible future roles of consumer technologies for patients with sleep breathing disorders; to explain the possibility of analysing big data derived using the telemedicine approach and to identify possible opportunities and risks.

Disease(s) : Paediatric respiratory diseases | Respiratory critical care | Sleep and breathing disorders

Method(s) : General respiratory patient care | Physiology

Tag(s) : Clinical, Digital health

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

Chairs : Vitalii Poberezhets (Vinnytsia, Ukraine), Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom)

16:30	**Introduction**	**1333**
16:35	**New technologies for diagnosis of obstructive sleep apnoea: the way to go?** Marie Bruyneel (Brussels, Belgium)	**1334**
16:50	**Telemedicine for treatment and follow-up of patients with sleep breathing disorders** Jean-Louis Pépin (Grenoble, France)	**1335**
17:05	**Evaluation of sleepiness: new available tools or still searching for the Holy Grail?** Mark W. Elliott (Leeds (West Yorkshire), United Kingdom)	**1336**
17:20	**Big data analysis in telemedicine in sleep: the European status, opportunities and pitfalls** Maria Bonsignore (Palermo, Italy)	**1337**
17:35	**Discussion and Q&A**	**1338**

Studio Barcelona Session 155 16:30 - 18:00

Grand round: Imaging grand round

Imaging of interstitial lung diseases in the era of digital health

Aims : To provide an update on the latest advances in interstitial lung disease (ILD) imaging with a focus on diagnosis and prevention of misdiagnosis; to provide an overview of multidisciplinary diagnosis of ILD and how imaging is integrated into this process in the era of digital health.

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

Method(s) : Epidemiology | Imaging | Physiology | Public health | Transplantation

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 surgeon

Chairs : Daiana Stolz (Basel, Switzerland), Tobias Welte (Hannover, Germany)

16:30	**Introduction**	**1339**
16:35	**Imaging of idiopathic pulmonary fibrosis based on case presentations: guidelines, pitfalls and prevention of misdiagnosis** Lucio Calandriello (Rome, Italy)	**1340**
16:55	**Hypersensitivity pneumonitis: case-based imaging update** Sujal Desai (London, United Kingdom)	**1341**
17:15	**Multidisciplinary diagnosis of ILD: the radiologist's perspective. Case presentations** Simon Walsh (London, United Kingdom)	**1342**
17:35	**Case-based imaging of connective tissue disease-related lung disease** Anna Kerpel-Fronius (Budapest, Hungary)	**1343**
17:55	**Session wrap-up**	**1344**

Studio London Session 156 16:30 - 18:00

Symposium: Lung graft allocation and monitoring in the 21st century

Aims : To discuss lung graft allocation and monitoring in the 21st century.

Disease(s) : Thoracic oncology

Method(s) : Transplantation

Tag(s) : Clinical, Digital health

Target audience : Thoracic oncologist, Thoracic surgeon

Chairs : Federica Meloni (Pavia (PV), Italy), Torsten Gerriet Blum (Berlin, Germany)

16:30	**Introduction**	**1345**
16:35	**Identification of lung transplant candidates, stratification of risk, lung allocation and quality control in Europe using real-time decision-making and big data: lessons learned and future perspectives** Jens Gottlieb (Hannover, Germany)	**1346**
16:50	**The lung in a box: ex vivo monitoring of donor lungs and clinical implications for lung preservation, repair and utilisation** Chandima Divithotawela (Gaythorne (QLD), Australia)	**1347**
17:05	**Outcomes of telehealth care for lung transplant recipients** Cecilia Chaparro (Toronto (ON), Canada)	**1348**
17:20	**Digital imaging of small airways pathology after lung transplantation: past, present and future** Johny Verschakelen (Leuven, Belgium)	**1349**
17:35	**Discussion and Q&A**	**1350**

Studio Munich Session 157 16:30 - 18:00

Journal session: Highlights from the JAMA Network on idiopathic pulmonary fibrosis, chronic obstructive pulmonary disease and lung cancer screening

A joint ERS/Journal of the American Medical Association (JAMA) session

Aims : to provide an update on antibiotic therapy for idiopathic pulmonary fibrosis (IPF), management of refractory dyspnoea in patients with severe chronic obstructive pulmonary disease (COPD) and patient selection strategies for lung cancer screening with low-dose computed tomography (CT).

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

Tag(s) : Clinical

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

Chairs : Richard Costello (Dublin 9, Ireland), Raquel Duarte (Porto, Portugal)

16:30	**Introduction** George O'Connor (Boston, United States of America)	**1351**
16:35	**Role of the microbiome and antibiotic therapy in IPF** Andrew Wilson (Norwich (Norfolk), United Kingdom)	**1352**
16:50	**Management of refractory dyspnoea in COPD** Daisy J.A. Janssen (Horn, Netherlands)	**1353**
17:05	**Update on lung cancer screening with low-dose CT** Rafael Meza (Ann Arbor, United States of America)	**1354**
17:20	**Pulmonary embolism in patients with COPD** Francis Couturaud (Brest, France)	**1355**
17:35	**Discussion and Q&A**	**1356**
17:55	**Conclusions** George O'Connor (Boston, United States of America)	**1357**

Studio Paris Session 158 16:30 - 18:00

Respiratory medicine meets other disciplines: Pulmonary embolism: controversies in management

A joint ESC/ERS session

Aims : To describe the interaction and involvement of cardiology and pulmonology specialities in the care of patients with pulmonary embolism or pulmonary hypertension. The novelties presented here are moving the field forward beyond the current guidelines, which were jointly developed by the European Society of Cardiology and European Respiratory Society.

Disease(s) : Pulmonary vascular diseases

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

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Respiratory critical care physician, Patient, Physician in Pulmonary Training, Radiologist

Chairs : Marion Delcroix (Leuven, Belgium), Marc Humbert (Le Kremlin-Bicêtre, France), Sheila Ramjug (Altrincham, United Kingdom)

16:30	**Introduction**	**1358**
16:35	**ESC/ERS position paper on optimal follow-up after acute pulmonary embolism** Erik Klok (Leiden, Netherlands)	**1359**
16:50	**Treatment and prevention of cancer-associated venous thromboembolism** Laurent Bertoletti (Saint Etienne Cedex, France)	**1360**
17:05	**Interventional treatment of pulmonary embolism: catheter-delivered local thrombolysis versus reduced-dose systemic thrombolysis** Luke Howard (London, United Kingdom)	**1361**
17:20	**Can right ventricle imaging improve risk stratification in pulmonary arterial hypertension?** Frances S. De Man (Amsterdam, Netherlands)	**1362**
17:35	**Discussion and Q&A**	**1363**

Channel 6 Session 159 16:30 - 18:00

Oral presentation: Early manifestations of chronic respiratory disease: zooming in at the epithelial barrier

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

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

Method(s) : Cell and molecular biology Epidemiology Imaging

Chairs : H. Irene Heijink (Groningen, Netherlands), Sabine Bartel (Groningen, Netherlands)

OA1364	**Introduction**	
OA1365	**Microfluidic single cell analysis of microRNA levels in small airway epithelial cells and fibroblasts from COPD patients** Vanessa Ho (London, United Kingdom), Keith Willison, Jonathan Baker, David Klug, Peter Barnes, Louise Donnelly	
OA1366	**Cell type eQTL deconvolution of bronchial epithelium through integration of single cell and bulk RNA-seq** Cancan Qi (Groningen, Netherlands), Marijn Berg, Xiaojing Chu, Maarten Van Den Berge, Chengjian Xu, Gerard Koppelman, Martijn Nawijn, Yang Li	
OA1367	**NETosis induced by Haemophilus Influenzae disrupts the lung epithelial barrier** Lina Odqvist (Mölndal, Sweden), Rebecca Riise, Cecilia Wingren, Helena Lindmark, Annika Wellner, Annika Astrand, Linda Yrlid	
OA1368	**Visualising biodistribution and biokinetics of inhaled biologicals: application of light sheet imaging technology** Giuseppe Ciccotosto (Parkville, Australia), Andrew Jarnicki, Robert O'Donoghue, Mun-Joo Chuei, Caitlin O'Brien, Gabriela Segal, Ellie Cho, Eva-Maria Hansbauer, Stefan Kling, Thomas Jaquin, Gabriele Matschiner, Shane Olwill, Gary P. Anderson	
OA1369	**MicroRNA profiling in bronchial biopsies identifies altered expression in asthma and high levels of allergen-modulated epithelial microRNAs** Jenny Calvén (Gothenburg, Sweden), Jenny Calvén, Christopher Mccrae, Carina Malmhäll, Kristina Johansson, Henric Olsson, Madeleine Rådinger	
OA1370	**Early transcriptional responses of bronchial epithelial cells following exposure to whole cigarette smoke** Alen Faiz (Ultimo (NSW), Australia), Anne M. Van Der Does, Rashard M. Mahbub, Dennis K. Ninaber, Senani R. Mudiyanselage, Wim Timens, Maarten Van Den Berge, Pieter S. Hiemstra	

OA1371	**Dysregulation of ZFP36L1 and ZFP36L2 in severe asthma alters epithelial integrity and dampens genome-wide glucocorticoid responses** Rocio Teresa Martinez-Nunez (London, United Kingdom), Jennifer Rynne, Elena Ortiz-Zapater, Manuela Plate, Rachel Chambers, Peter Howarth
OA1372	**Proteomics of fully differentiated bronchial epithelial cells derived from COPD or control shows no significant differences in susceptibility or response to influenza virus infection** Misako Nakayama (Otsu, Japan), Juliane Merl-Pham, Hannah Busen, Anna Dmitrieva, Ashesh Chakraborty, Andrea Schamberger, Clemens Ruppert, Andreas Guenther, Jürgen Behr, Anne Hilgendorff, Stefanie Hauck, Heiko Adler, Claudia Alma Staab-Weijnitz
OA1373	**Aged alveolar epithelium contributes to inflammaging and reduced stem cell function in the lung** Mareike Lehmann (München, Germany), Qiangjiang Hu, Yan Hu, Meshal Ansari, Ricardo Pineda, William Janssen, Fabian Theis, Herbert Schiller, Melanie Königshoff
OA1374	**Late Breaking Abstract - A multiomic micro- and macro-anatomical cell atlas of the human lungs and airways** Kerstin Meyer (Cambridge, United Kingdom), Elo Madisoon, Anna Wilbrey-Clark, Vitalii Kleshchevnikov, Ana Ribeiro Orsi, Krzysztof Polanski, Lira Mamanova, Liam Bolt, Amanda Oliver, Natsuhiko Kumasaka, Ni Huang, Rasa Elmentaite, Juliana Weller, Jan Patrick Pett, Peng He, Monika Dabrowska, Liz Tuck, Elena Prigmore, Andrew Knights, Sophie Pritchard, Adam Hunter, Sarah Vieira, Minal Patel, Nikitas Georgakopoulos, Krishnaa Muhbubani, Kourosh Saeb-Parsy, Oliver Stegle, Sarah Teichmann
OA1375	**Discussion**

17:30-18:15
INDUSTRY SKILLS LAB WORKSHOP SEE PAGE 1

Studio Amsterdam — Session 161 — 18:00 - 18:15

Breakout room: Breakout room: Symposium, Digital health meets sleep breathing disorders

Chairs : Carla Ribeiro (Vila Nova de Gaia, Portugal), Marie Bruyneel (Brussels, Belgium), Jean-Louis Pépin (Grenoble, France), Mark W. Elliott (Leeds (West Yorkshire), United Kingdom), Maria Bonsignore (Palermo, Italy)

Studio Barcelona — Session 162 — 18:00 - 18:15

Breakout room: Breakout room: Grand round, Imaging grand round

Chairs : Flávia Fonseca Fernandes (Brasília, Brazil), Lucio Calandriello (Rome, Italy), Sujal Desai (London, United Kingdom), Simon Walsh (London, United Kingdom), Anna Kerpel-Fronius (Budapest, Hungary)

Studio London — Session 163 — 18:00 - 18:15

Breakout room: Breakout room: Symposium, Lung graft allocation and monitoring in the 21st century

Chairs : Lucia Carolina Viola Muñoz (Bogotá, Colombia), Jens Gottlieb (Hannover, Germany), Chandima Divithotawela (Gaythorne (QLD), Australia), Cecilia Chaparro (Toronto (ON), Canada), Johny Verschakelen (Leuven, Belgium)

Studio Munich — Session 164 — 18:00 - 18:15

Breakout room: Breakout room:Journal session : Highlights from the JAMA Network on idiopathic pulmonary fibrosis, chronic obstructive pulmonary disease and lung cancer screening

Chairs : Justine Devulder (London, United Kingdom), George O'Connor (Boston, United States of America), Andrew Wilson (Norwich (Norfolk), United Kingdom), Daisy J.A. Janssen (Horn, Netherlands), Rafael Meza (Ann Arbor, United States of America), Francis Couturaud (Brest, France)

Studio Paris — Session 165 — 18:00 - 18:15

Breakout room: Breakout room: Respiratory medicine meets other disciplines, Pulmonary embolism: controversies in management

Chairs : Alguili Elsheikh (Basildon, United Kingdom), Erik Klok (Leiden, Netherlands), Laurent Bertoletti (Saint Etienne Cedex, France), Luke Howard (London, United Kingdom), Frances S. De Man (Amsterdam, Netherlands)

18:15-19:45
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20:00-21:30
INDUSTRY VIRTUAL SYMPOSIUM SEE PAGE 1

07:45-09:15
INDUSTRY VIRTUAL SYMPOSIUM SEE PAGE 1

08:00-08:45
INDUSTRY SKILLS LAB WORKSHOP SEE PAGE 1

09:00-09:45
INDUSTRY SKILLS LAB WORKSHOP SEE PAGE 1

Channel 1 Session 184 09:30 - 10:45

Challenging clinical cases: CCC Respiratory critical care

Aims : To describe the history, pathology, analysis and treatment of complex clinical cases in respiratory critical care. The session leaders will facilitate discussion among the case presenters and audience.

Disease(s) : Respiratory critical care

Tag(s) : Clinical

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

Chairs : Marieke L. Duiverman (Groningen, Netherlands), Christian Karagiannidis (Cologne, Germany)

09:30	**Introduction**	**1475**
09:35	**Painful bulge over the chest wall** Pranav Ajmera (Pune, India)	**1476**
09:45	**How to stop the bleed?** Titia P.E. Schaepman - Ruys (Amsterdam, Netherlands)	**1477**
09:55	**A complex case of respiratory failure secondary to an unusual lung pathological finding in a patient with COVID-19** Eleanor Manners (London, United Kingdom)	**1478**
10:05	**Cystic Lung Disease- Clinical and radiological details matter** Sivaraja Subramaniam (Thanjavur (Tamil Nadu), India)	**1479**
10:15	**Dyspnoea after radiofrequency cardiac ablation: Respiratory prospect** Muhamamd Zubair Nasim (Nottingham, United Kingdom)	**1480**
10:25	**Discussion and Q&A**	**1481**

Channel 2 Session 185 09:30 - 11:00

Oral presentation: Asthma treatment: clinical and translational science

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Airway diseases

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

Chairs : Renaud Louis (Liège, Belgium), Paola Rogliani (Roma (RM), Italy)

OA1482	**Introduction**	
OA1483	**Impact of asthma-associated genetic polymorphisms on the efficacy of house dust mite sublingual allergy immunotherapy in adults with allergic asthma** Marianne Witten (Hørsholm, Denmark), Ilka Hoof, Klaus Bønnelykke, Thomas Stranzl, Xingnan Li, Deborah A. Meyers, Eugene R. Bleecker, Peter S. Andersen	
OA1484	**Effect of tezepelumab on exacerbation-related oral corticosteroid use in NAVIGATOR** Arnaud Bourdin (Montpellier Cedex 5, France), Andrew Menzies-Gow, Geoffrey Chupp, Christopher S Ambrose, Kamil Kmita, Jean-Pierre Llanos-Ackert, Gene Colice, Bill Cook	

OA1485	**Bronchial smooth muscle of severe asthmatic patients decreases rhinovirus replication within the epithelium through a CCL-20/PKR/eIF2-a dependent pathway** Pauline Esteves (PESSAC, France), Benoit Allard, Alexis Celle, Isabelle Dupin, Elise Maurat, Olga Ousova, Matthieu Thumerel, Hugue Begueret, Thierry Lassere, Roger Marthan, Pierre-Olivier Girodet, Patrick Berger, Thomas Trian
OA1486	**Effect of bronchial thermoplasty on histopathological parameters in distinct asthma endotypes/phenotypes** Eleni Papakonstantinou (Thessaloniki, Greece), Triantafyllia Koletsa, Liang Zhou, Lei Fang, Michael Roth, Meropi Karakioulaki, Spasenija Savic, Leticia Grize, Michael Tamm, Daiana Stolz
OA1487	**CAPTAIN: Effects of lung function at screening (FEV1 % predicted) as a continuous variable on treatment outcomes** Alberto Papi (Ferrara, Italy), Neil Barnes, Andrew Fowler, Huib Kerstjens, Edward Kerwin, David Mannino, Robert Nathan, Ian Pavord, Emillio Pizzichini, David Slade, Agne Zarankaite, John Oppenheimer
OA1488	**COVID-19 risk and outcomes in adult asthmatics treated with biologics or systemic corticosteroids: nationwide real-world evidence.** Adir Yochai (Haifa, Israel), Marc Humber, Walid Saliba
OA1489	**Evaluating contributions of mometasone (MF), indacaterol (IND) and glycopyrronium (GLY) to reduction of exacerbations in patients with inadequately controlled asthma: Results from the IRIDIUM study** Kenneth R. Chapman (Toronto (ON), Canada), Richard N Van Zyl-Smit, Huib A M Kerstjens, Jorge F Maspero, Motoi Hosoe, Ana-Maria Tanase, Abhijit Pethe, Peter D'Andrea, Dominic Brittain
OA1490	**Efficacy of tezepelumab in adolescents with severe, uncontrolled asthma** Elliot Israel (Boston, United States of America), Andrew Menzies-Gow, Geoffrey Chupp, Chris Ambrose, Bill Cook, Gillian Hunter, Jean-Pierre Llanos-Ackert, John Downie, Gene Colice
OA1491	**Late Breaking Abstract - The burden of intermittent oral corticosteroid use in asthma** Heath Heatley (Singapore, Singapore), Trung Tran, Arnaud Bourdin, Andrew Menzies-Gow, David Jackson, Ekaterina Maslova, Derek Skinner, Victoria Carter, David Price
OA1492	**Late Breaking Abstract - Effects of tezepelumab on host epithelial tolerance to virus in patients with uncontrolled asthma** Asger Sverrild (Valby, Denmark), Samuel Cerps, Juan Nieto-Fontarigo, Sangeetha Ramu, Morten Hvidtfeldt, Jennifer Kearley, Janet M Griffiths, Jane R Parnes, Celeste Porsbjerg, Lena Uller
OA1493	**Discussion**

Channel 3 Session 186 09:30 - 11:00

Oral presentation: Adult cystic fibrosis

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Airway diseases

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

Chairs : Pierre-Régis Burgel (Paris, France), Barry Plant (Cork, Ireland)

OA1494	**Introduction**
OA1495	**Proteomic analysis uncovers distinct signatures of bacterial-viral coinfections in cystic fibrosis cells** Adrian Endres (Frankfurt am Main, Germany), Philipp Kastl, Helena Boland, Christian Hügel, Konstantinos Kalogeropoulos, Peter Braubach, Danny Jonigk, Michael Hogardt, Gernot Rohde, Ulrich Auf Dem Keller, Carla Bellinghausen
OA1496	**Serine protease-dependent degradation of IL-6 by Pseudomonas aeruginosa in an in vitro model of bacterial-viral coinfection** Adrian Endres (Frankfurt am Main, Germany), Helena Boland, Christian Hügel, Ralf Schubert, Peter Braubach, Danny Jonigk, Michael Hogardt, Gernot Rohde, Carla Bellinghausen
OA1497	**Frequency and phenotypical alterations of unconventional T cells in cystic fibrosis** Pauline Tossan (Tours, France), Sylvie Legue, Loïc Gonzalez, Thomas Flament, Julie Mankikian, Youen Jouan, Antoine Guillon, Mustapha Si-Tahar, Christophe Paget
OA1498	**Aspergillus pulmonary disease in cystic fibrosis (CF) patients: multicentre perspective observational study based on new diagnostic tests to evaluate the prognostic value on the CF disease** Silvia Bresci (Florence, Italy), Jessica Mencarini, Ersilia Vita Fiscarelli, Lisa Cariani, Giulia Linardos, Daniella Girelli, Martina Rossitto, Simona Pollini, Antonio Teri, Giovanni Taccetti, Alessandro Bartoloni

OA1499	**Chronic Pseudomonas aeruginosa lung infection, but not CFTR modulator therapy affects circulating regulatory T cells in an adult population with cystic fibrosis** Dirk Westhölter (Essen, Germany), Hendrik Beckert, Svenja Strassburg, Matthias Welsner, Sivagurunathan Sutharsan, Christian Taube, Sebastian Reuter
OA1500	**Could a 2-year mortality prediction model have prevented deaths from respiratory failure: a single UK centre experience** Kavita Dave (Milton Keynes (Buckinghamshire), United Kingdom), Rachel Dunk, Su Madge, Vicky Gerovasili, Anna Reed, Nicholas J Simmonds
OA1501	**Discussion**

Channel 4 Session 187 09:30 - 11:00

Oral presentation: Nursing perspective during the COVID-19 pandemic

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Airway diseases Respiratory critical care

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

Tag(s) : COVID, Digital health

Chairs : Marco Clari (TORINO, Italy), Karen Heslop-Marshall (Newcastle upon Tyne (Tyne and Wear), United Kingdom)

OA1502	**Introduction**
OA1503	**Living with the risk of being infected: COPD patients' experiences during the coronavirus pandemic** Camilla Askov Mousing (Randers SØ, Denmark), Dorthe Sørensen
OA1504	**A negotiation of respiratory risk in the first phase of the Covid-19 pandemic.** Lindsay Welch (Southampton, United Kingdom), Lindsay Welch, Nicola Roberts, Kate Lippiett, Emma Ray, Carol Kelly
OA1505	**Awake proning in patients with COVID-19** Willemke Stilma (Amsterdam, Netherlands), Lieuwe Bos, Luigi Pisani, Marcus Schultz, Frederique Paulus
OA1506	**Non-Invasive Positive Pressure Ventilation training program for general wards Healthcare workers during Covid-19 outbreak.** Alessandro Godono (Torino, Italy), Dario Gavetti, Marco Clari, Carmela Bongiorno, Enrico Pira, Maurizio Berardino
OA1507	**The impact of the COVID-19 pandemic on Portuguese rehabilitation nurses** Miguel Padilha (Rio Tinto, Portugal), Rui Silva
OA1508	**Virtual consultations as follow up on home oxygen therapy for patients with COPD: A patient perspective** hannah Schmidt (Odense, Denmark), Gunhild Tulinius, Helle Marie Christensen
OA1509	**The SWISS Nurse; respiratory nursing care without any borders. An admission avoidance winter pressure initiative** Emma Rickards (St Helens (Merseyside), United Kingdom), Lisa Ascough, Sarah Sibley, Onnor Hampson, Elaine Gossage
OA1510	**Nurse-led community care** Aisling Madden (Dublin 3, Ireland), Breda Cushen, Claire Lewis
OA1511	**Late Breaking Abstract - Was our step-down virtual covid ward safe and effective?** David Jennings (Chichester (West Sussex), United Kingdom), Kate Hills, Julie Briscoe, Bethia Bradley
OA1512	**Late Breaking Abstract - Promoting physical activity by the Respiratory Nurses** Sónia Maria Pereira Rocha (Espinho, Portugal), Sónia Maria Pereira Rocha (Espinho, Portugal), Maria Fernanda Rodrigues, Goreti Marques, Glória Maria Couto, Raquel Maria Marques, Maria João Cunha
OA1513	**Discussion**

Channel 5 Session 188 09:30 - 11:00

Oral presentation: Novel insights into the diagnosis, mechanism and treatment of malignant pleural disease

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Thoracic oncology

Method(s) : Cell and molecular biology Physiology Endoscopy and interventional pulmonology

Chairs : Rachelle Asciak (Attard, Malta), Christian B. Laursen (Odense, Denmark)

OA1514	**Introduction**
OA1515	**In vitro discrimination between mesothelioma and lung cancer based on headspace volatile profiling** Eline Janssens (Edegem, Belgium), Zoë Mol , Lore Vandermeersch, Christophe Walgraeve, Jan Van Meerbeeck, Elly Marcq, Kevin Lamote
OA1516	**Breath analysis allows to predict treatment response in malignant pleural mesothelioma patients.** Eline Schillebeeckx (Antwerpen, Belgium), Eline Janssens, Veerle Surmont, Kristiaan Nackaerts, Jan Van Meerbeeck, Kevin Lamote
OA1517	**A novel proteomic technique to identify new diagnostic biomarkers for malignant pleural mesothelioma: a feasibility study.** Eline Schillebeeckx (Antwerpen, Belgium), Esperanza Fernandez, Jan Van Meerbeeck, Kris Gevaert, Kevin Lamote
OA1518	**The role of monocyte chemoattractant protein-1 (MCP-1) in the development of malignant pleural effusion** Fatih Tekin (ANKARA, Turkey), Deniz Koksal, Z.Gunnur Dİkmen, Sevilay Karahan, Ridvan Bayler, Burcu Ancin, Erkan Dİkmen, Devrim Akinci, Sevgen Onder
OA1519	**The relationship between pleural effusion, neural respiratory drive and breathlessness – preliminary results from the SINE study** Parthipan Sivakumar (London, United Kingdom), Neeraj Shah, Georgios Kaltsakas, Nicholas Hart, Patrick Murphy, Liju Ahmed
OA1520	**Intracavitary anaesthesia for medical thoracoscopy: a randomised trial** Maged Hassan (Alexandria, Egypt), Mohamed Gadallah, Moustafa Shaheen, Sahar Mourad, Ahmed Abdelhady
OA1521	**Primary cilium modulates mesothelioma cell viability and 3D sphere formation.** Sotirios Zarogiannis (Larisa, Greece), Ourania Kotsiou, Rajesh Jagirdar, Erasmia Rouka, Eleanna Pitaraki, Konstantinos Gourgoulianis
OA1522	**The frequency of BAP1 and MTAP loss in Benign Asbestos-associated Pleural Inflammation** Katie Ferguson (Glasgow, United Kingdom), Nicola Hyndman, Fiona Roberts, Kevin G Blyth
OA1523	**Discussion**

Studio Amsterdam Session 189 09:30 - 11:00

Symposium: New technologies for the management of children with respiratory diseases

Aims : To identify new sources of data (internet of things, environmental data, etc.) that are available and relevant for the management of respiratory diseases in children: to describe how these new big data are processed by different artificial intelligence methods; to explain how these new sources of data, processed by artificial intelligence, are leading to a new paradigm in the management of respiratory diseases in children; to describe the ethical issues associated with new digital-based management of respiratory diseases; to list the factors associated with the acceptance of digital-based management by families of children with respiratory diseases.

Disease(s) : Paediatric respiratory diseases

Tag(s) : Clinical, Digital health

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

Chairs : Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Alexander Möller (Zürich, Switzerland)

09:30	**Introduction**	**1524**
09:35	**E-health and home monitoring: the views of patients and parents** Andreas Hager (, Sweden)	**1525**
09:40	**New sources of data in paediatric asthma: towards big data from multiple sources in children with asthma** Louise Fleming (London, United Kingdom)	**1526**
09:55	**New uses of data: from big data to artificial intelligence and clinical decision tools in children with respiratory diseases** Konstantinos Exarchos (Ioannina, Greece)	**1527**

10:10	**A new paradigm for the management of children with cystic fibrosis at home: experiences from a Dutch cystic fibrosis clinic** Jolt Roukema (Nijmegen, Netherlands)	**1528**
10:25	**Ethics, risks and patients' perspective of new technologies in the care of children with respiratory diseases** David Drummond (Paris, France)	**1529**
10:40	**Discussion and Q&A**	**1530**

Studio Barcelona Session 190 09:30 - 11:00

State of the art session: Interstitial lung diseases

Novel insights into interstitial lung diseases in 2021

Aims : To discuss novel insights into the field of interstitial lung diseases (ILDs), including areas where scientific and therapeutic changes are ongoing or task forces reports and guidelines are pending.

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

Method(s) : Cell and molecular biology | Imaging

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Pathologist, Patient, Radiologist, Scientist (basic, translational), Thoracic oncologist

Chairs : Katerina Antoniou (Heraklion, Greece), Carlos Robalo Cordeiro (Coimbra, Portugal), Tiago Alfaro (Coimbra, Portugal)

09:30	**Introduction**	**1531**
09:35	**Familial pulmonary fibrosis** Coline H. M. van Moorsel (Nieuwegein, Netherlands)	**1532**
09:50	**What can ILD registries teach us?** Andreas Guenther (Gießen, Germany)	**1533**
10:05	**Progressive fibrosing ILDs** Martin Kolb (Hamilton (ON), Canada)	**1534**
10:20	**Langerhans cell histiocytosis: is it an ILD?** Abdellatif Tazi (Paris, France)	**1535**
10:35	**Discussion and Q&A**	**1536**

Studio London Session 191 09:30 - 11:00

Symposium: Highlights on gender and respiratory health

Implications for research, prevention and clinical management of respiratory diseases

Aims : to discuss the epidemiology and impact of sex and gender on the main respiratory risk factors and diseases, specifically asthma, chronic obstructive pulmonary disease, lung cancer and smoking; to highlight the need to include gender issues in respiratory research and to address gender-specific approaches for prevention and clinical management of respiratory diseases and health policies.

Disease(s) : Airway diseases | Paediatric respiratory diseases | Thoracic oncology

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, Physician in Pulmonary Training, Thoracic oncologist, Thoracic surgeon, Respiratory therapist

Chairs : Martijn A. Spruit (Horn, Netherlands), Charlotte Suppli Ulrik (Virum, Denmark)

09:30	**Introduction**	**1537**
09:35	**Patient's view** Celina Angelini (, Italy)	**1538**
09:40	**Sex and hormonal influence on asthma phenotypes: the case in favour** Apostolos Bossios (Stockholm, Sweden)	**1539**
09:55	**Molecular and genetic mechanisms in gender issues** Catherine Greene (Dublin 9, Ireland)	**1540**

10:10	**Spotlight on gender and lung cancer** Isabel Nerin De La Puerta (Zaragoza, Spain)	**1541**
10:25	**Do we need a gender-specific approach for health interventions?** Sofia Belo Ravara (Covilhã, Portugal)	**1542**
10:40	**Discussion and Q&A**	**1543**

Studio Paris — Session 193 — 09:30 - 10:45

Primary care session: Part I: restarting COPD care in the post-COVID era

Strategies to improve care of chronic obstructive pulmonary disease patients in the face of limitations and barriers in the post-COVID era

Aims : to provide an overview of and a discussion forum for important issues relating to the management of asthma and chronic obstructive pulmonary disease (COPD) after the COVID-19 pandemic; to present new approaches for managing patients in primary care during the COVID-19 pandemic; to invite feedback from the audience.

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Public health

Tag(s) : Clinical, COVID, Digital health

Target audience : Adult pulmonologist/Clinician, General practitioner, Medical Student, Nurse, Patient

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

09:30	**Introduction**	**1554**
09:35	**Which are the best methods to manage COPD patients in the post-COVID era?** Noel Baxter (Glasgow, United Kingdom)	**1555**
09:50	**Are we selecting the right inhaler for the right COPD patient?** Janwillem W. H. Kocks (Groningen, Netherlands)	**1556**
10:05	**Should primary care physicians be monitoring eosinophils in COPD patients?** Núria Toledo Pons (Palma De Mallorca, Spain)	**1557**
10:20	**Discussion and Q&A**	**1558**

Channel 6 — Session 194 — 09:30 - 11:00

Oral presentation: Imaging

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Endoscopy and interventional pulmonology Imaging General respiratory patient care Pulmonary function testing

Tag(s) : COVID

Chairs : Bianka Forgo (Örebro, Sweden), Ruža Stevi (Beograd, Republic of Serbia)

OA1559	**Introduction**
OA1560	**Chest CT manifestation in children who had Covid-19** Diana Rotaru-Cojocari (Chișinău, Republic of Moldova), Rodica Selevestru, Eugenia Crivceanschi, Aliona Cotoman, Galina Gutu, Cristina Tomacinschii, Svetlana Sciuca
OA1561	**Deep learning architecture for the classification of COVID-19 and others pneumonias sources on lung CT imaging** Akshayaa Vaidyanathan (Liege, Belgium), Julien Guiot , Fadila Zerka, Louis Deprez , Denis Danthine, Fabio Bottari, Gregory Canivet, Philippe Lambin, Sean Walsh, Mariaelena Occhipinti, Paul Meunier, Wim Vos, Pierre Lovinfosse, Ralph T.H. Leijenaar
OA1562	**Chest CT signs of Aging Lung: incidence and impact on one-year mortality** Federica Maci (Foggia, Italy), Donato Lacedonia, Giulia Scioscia, Paolo Fuso, Pasquale Tondo, Annarita Depalo, Ernesto Giuffreda, Maria Pia Foschino Barbaro
OA1563	**Longitudinal structural changes using MDCT in patients with combined pulmonary fibrosis with emphysema** Ayako Shimada (Chiba, Japan), Naoko Kawata, Mitsuhiro Abe, Hirotaka Sato, Masaki Suzuki, Hajime Yokota, Shin Matsuoka, Hideaki Haneishi, Koichiro Tatsumi, Takuji Suzuki

OA1564	**Thoracic Radiological Sequelae after Coronavirus Infection: A Systematic Review** Christopher C. Huntley (Bromsgrove, United Kingdom), Ketan Patel, Shahnoor-E-Salam Bushra, Farah Mobeen, Peter S Burge, Alice M Turner, Gareth I Walters
OA1565	**Detection of the pulmonary extracellular matrix by bronchoscopic optical coherence tomography** Pieta Wijsman (Amsterdam, Netherlands), Richard Van Den Elzen, Lisa Van Smoorenburg, Annika Goorsenberg, Janette Burgess, Maarten Nawijn, Jouke Annema, Maarten Van Den Berge, Martijn De Bruin, Peter Bonta
OA1566	**Estimation of the Alveolar Partial Pressure of Oxygen using Hyperpolarized Helium-3: The Multi-Ethnic Study of Atherosclerosis (MESA) COPD Study** Naz P. Taskiran (New York, United States of America), Grant T. Hiura, Xuzhe Zhang, Stephen M. Dashnaw, Eric A. Hoffman, Daniel Malinsky, Elizabeth C. Oelsner, Martin R. Prince, Benjamin M. Smith, Yanping Sun, Yifei Sun, Jim M. Wild, Wei Shen, R. Graham Barr, Emlyn W. Hughes
OA1567	**A Multidisciplinary Multicenter Study Evaluating Risk Factors, Prevalence and Characteristics of Post-COvid-19 Interstitial Lung Syndrome (PCOILS)** Sara Tomassetti (Florence, Italy), Tiberio Oggionni, Emanuela Barisione, Elena Bargagli, Martina Bonifazi, Marco Confalonieri, Antonella Caminati, Raffaele Scala, Stefano Gasparini, Sergio Harari, Catherine Klersy, Federica Meloni, Adele Torricella, Teresita Aloe, Valentina Luzzi, Leonardo Gori, Stefania Ferraro, Giulia Biadene, Diletta Cozzi, Edoardo Cavigli, Vittorio Miele, Sara Piciucchi, Nicola Sverzellati, Silvia Puglisi, Venerino Poletti, Claudia Ravaglia
OA1568	**Discussion**

Skills lab — Session 195 — 10:00 - 12:00

Skills lab: Respiratory sleep

Aims : To explain the indications and equipment for in-hospital polysomnography; to give an overview for the use of new technologies and available tools for respiratory home monitoring; to show how to interpret the results of distance monitoring in different Sleep Disordered Breathing cases; to provide algorithms for PaP/NIV telemonitoring towards effective resolution of symptoms, to improve comorbidities, early identification of residual symptoms as well as for rehabilitation programmes.

Disease(s) : Sleep and breathing disorders | Airway diseases | Paediatric respiratory diseases

Method(s) : Epidemiology Physiology Respiratory intensive care

Tag(s) : Clinical

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

Chairs : Sophia E. Schiza (Heraklion, Greece), Anita Simonds (London, United Kingdom)

10:00	**Introduction** Anita Simonds (London, United Kingdom), Sophia E. Schiza (Heraklion, Greece)	**1569**
10:05	**Polysomnography: indications and interpretation** Johan Verbraecken (Edegem (Antwerp), Belgium)	**1570**
10:30	**Home sleep studies: indications and interpretation** Thomas Penzel (Berlin, Germany)	**1571**
10:55	**PAP telemonitoring and residual apnea–hypopnea index/symptoms: clinical cases and impact for follow-up management** Renaud Tamisier (Grenoble, France)	**1572**
11:20	**Home monitoring in patients with neuromuscular disorders from diagnosis to non-invasive ventilation initiation to rehabilitation programmes** Marieke L. Duiverman (Groningen, Netherlands), Michelle Chatwin (London, United Kingdom)	**1573**
11:45	**Discussion** Anita Simonds (London, United Kingdom), Sophia E. Schiza (Heraklion, Greece)	**1574**

Studio Paris — Session 197 — 10:45 - 11:00

Breakout room: Breakout room: Primary care session, Part I: restarting COPD care in the post-COVID era

Chairs : Gustavo Cortes Puentes (Rochester, United States of America), Noel Baxter (Glasgow, United Kingdom), Janwillem W. H. Kocks (Groningen, Netherlands), Núria Toledo Pons (Palma De Mallorca, Spain)

Studio Paris Session 198 10:55 - 12:10

Primary care session: Part II: restarting asthma care in the post-COVID era

An opportunity to improve asthma monitoring and self-management in primary care

Aims : To provide an overview of and a discussion forum for important issues relating to the management of asthma and chronic obstructive pulmonary disease after the COVID-19 pandemic; to present new approaches for managing patients in primary care during the COVID-19 pandemic; to invite feedback from the audience.

Disease(s) : Airway diseases

Method(s) : General respiratory patient care

Tag(s) : Clinical, COVID, Digital health

Target audience : General practitioner, Nurse, Patient, Adult pulmonologist/Clinician, Medical Student, Paediatrician

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

10:55	**Introduction**	**1576**
11:00	**Remote consultations to monitor asthma in primary care** Hanna Sandelowsky (Vendelso, Sweden)	**1577**
11:15	**What is the best way to engage people with asthma in self-management?** Viv Marsh (Bridgnorth, United Kingdom)	**1578**
11:30	**Interventions to reduce hospital admissions and asthma crisis** Noel Baxter (Glasgow, United Kingdom)	**1579**
11:45	**Discussion and Q&A**	**1580**

Studio Amsterdam Session 199 11:00 - 11:15

Breakout room: Breakout room: Symposium, New technologies for the management of children with respiratory diseases

Chairs : Louise Fleming (London, United Kingdom), Konstantinos Exarchos (Ioannina, Greece), Jolt Roukema (Nijmegen, Netherlands), David Drummond (Paris, France), Abdul Mannan Mustafa (Multan, Pakistan), Andreas Hager (, Sweden)

Studio Barcelona Session 200 11:00 - 11:15

Breakout room: Breakout room: State of the art session, Interstitial lung diseases

Chairs : Kunal Khanderao Deokar (Thane (Maharashtra), India), Coline H. M. van Moorsel (Nieuwegein, Netherlands), Andreas Guenther (Gießen, Germany), Martin Kolb (Hamilton (ON), Canada), Abdellatif Tazi (Paris, France)

Studio London Session 201 11:00 - 11:15

Breakout room: Breakout room: Symposium, Highlights on gender and respiratory health

Chairs : Ema Swingwood (Monmouthshire, United Kingdom), Catherine Greene (Dublin 9, Ireland), Isabel Nerin De La Puerta (Zaragoza, Spain), Sofia Belo Ravara (Covilhã, Portugal), Apostolos Bossios (Stockholm, Sweden), Celina Angelini (, Italy)

Channel 1 Session 203 11:15 - 12:45

Joint session: Updates on inhalers for COPD and asthma

A joint ERS/Industry session

Chairs : Frans H.C. De Jongh (Enschede, Netherlands)

11:15	**Introduction**	**1581**
11:20	**How to choose and use an inhaler device?** Omar S. Usmani (London, United Kingdom)	**1582**
11:40	**How to monitor and improve inhaler technique?** Henry Chrystyn (Bingley (West Yorkshire), United Kingdom)	**1583**
12:00	**How to assess and improve inhaler adherence?** David Price (Singapore, Singapore)	**1584**
12:20	**Discussion and Q&A** Omar S. Usmani (London, United Kingdom), Henry Chrystyn (Bingley (West Yorkshire), United Kingdom), David Price (Singapore, Singapore)	**1585**

Channel 2 Session 204 11:15 - 12:45

Oral presentation: Patient-reported outcome measures (PROMs): easy tools in the management of chronic respiratory diseases

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.
This session includes the Best Abstract for Assembly 5 - Airway Diseases, Asthma, COPD and Chronic Cough, entitled "The Leicester Cough Questionnaire in two phase 3 trials of gefapixant in chronic cough"

Disease(s) : Airway diseases

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

Chairs : Renaud Louis (Liège, Belgium), Iñigo Ojanguren Arranz (Barcelona, Spain)

OA1586	**Introduction**
OA1587	**The Leicester Cough Questionnaire in two phase 3 trials of gefapixant in chronic cough** Surinder S. Birring (London, United Kingdom), Jaclyn A. Smith, Alyn Morice, Ian Pavord, Peter V Dicpinigaitis, Lorcan Mcgarvey, Anjela Tzontcheva, Qing Li, Allison Martin Nguyen, Jonathan Schelfhout, David Muccino, Carmen La Rosa
OA1588	**Patient-reported chronic cough severity over 52 weeks in two phase 3 trials of gefapixant** Peter Dicpinigaitis (New York, United States of America), Surinder S Birring, Alyn Morice, Jaclyn A Smith, Ian Pavord, Lorcan Mcgarvey, Anjela Tzontcheva, Qing Li, Allison Martin Nguyen, Jonathan Schelfhout, David Muccino, Carmen La Rosa
OA1589	**Prevalence of Poor Disease Control in Patients with severe COPD according to GOLD 2021** Juan José Soler-Cataluña (La Eliana (Valencia), Spain), Arturo Huerta, Pere Almagro, Diego González-Segura, Borja G Cosío
OA1590	**Real-world evidence of reported symptoms and quality of life burden associated with chronic rhinosinusitis with nasal polyposis and comorbid asthma status** Benjamin Emmanuel (Gaithersburg, United States of America), Mousumi Biswas, Megan Scott, Mark Small, Lauren Lee, Stephanie Chen, Sandrine Ruiz
OA1591	**The Severe Asthma Questionnaire (SAQ) - minimal clinically important difference and sensitivity to change** Matthew Masoli (Plymouth (Devon), United Kingdom), Joseph Lanario, Michael Hyland, Andrew Menzies-Gow, Adel Mansur, David Allen, Dodd James, Gemma Hayes, Jose Valderas, Sallie Lamb, Rupert Jones
OA1592	**A Parent Reported Quality of Life Measure for Young Children with Primary Ciliary Dyskinesia: QOL-PCDPR** Laura Behan (Ballincollig (Co. Cork), Ireland), Corine Driessens, Siobhan Carr, Sharon Dell, Amanda Harris, Rebecca Knibb, Margaret Leigh, Manjith Narayanan, Evie Robson, Lynne Schofield, Jane Lucas
OA1593	**Treatable traits in the NOVELTY study: assessing complexity by network analysis** Rosa Faner (Barcelona, Spain), Eleni Rapsomaniki, Richard Beasley, Rod Hughes, Hana Müllerová, Alberto Papi, Ian D Pavord, Alvar Agustí
OA1594	**Long-term impact of COPD on postoperative cardiorespiratory morbidity and mortality: a population cohort study** Nermin Diab (Ottawa, Canada), Ashwin Sankar, Jin Luo, Kevin Thorpe , Duminda Wijeysundera, Andrea Gershon
OA1595	**Is blood eosinophil count a biomarker for chronic obstructive pulmonary disease in a real-world clinical setting? Predictive property and longitudinal stability in Japanese patients.** Koichi Nishimura (Kyoto, Japan), Masaaki Kusunose, Ryo Sanda, Mio Mori, Ayumi Shibayama
OA1596	**Late Breaking Abstract - Blood and bronchoalveolar neutrophil signatures associate with COPD severity** Theodore Kapellos (Mannheim, Germany), Kevin Bassler, Wataru Fujii, Christina Nalkurthi, Amit Frishberg, Tal Pecht, Lorenzo Bonaguro, Erika Dudkin, Elena De Domenico, Adem Saglam, Arik Horne, Kristian Händler, Matthias Becker, Martina Van Uelft, Jan Hasenauer, Thomas Ulas, Carmen Pizarro, Phil Hansbro, Dirk Skowasch, Joachim Schultze
OA1597	**Discussion**

Channel 3 Session 205 11:15 - 12:45

Oral presentation: Advances in treatment and management of tuberculosis and nontuberculous mycobacterial disease

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

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

Chairs : Jan Heyckendorf (Hamburg, Germany), Alberto Garcia-Basteiro (Maputo, Mozambique)

OA1598	**Introduction**
OA1599	**New definitions of extensively drug resistant tuberculosis: update from the World Health Organization** Kerri Viney (Geneva, Switzerland), Fuad Mirzayev, Nguyen Nhat Linh, Medea Gegea, Matteo Zignol
OA1600	**Outcomes of modified all-oral 9-month treatment regimen for rifampicin-resistant tuberculosis in Belarus** Natalia Yatskevich (Minsk, Belarus), Elmira Gurbanova, Henadz Hurevich, Masoud Dara, Askar Yedilbayev, Viatcheslav Grankov, Ogtay Gozalov, Alena Skrahina
OA1601	**Metformin as an adjunct in treatment of Pulmonary Tuberculosis in Non-Diabetic patients.** Sudarsan Pothal (Puri, India), Ipsita Samantaray, Sashi Bhusan Biswal
OA1602	**Treatment failure of nontuberculosis pulmonary disease after adjunctive surgical resection** Noeul Kang (Seoul, Republic of Korea), Byung Woo Jhun
OA1603	**Use of inhaled GM-CSF in treatment-refractory NTM infection. An open-label, exploratory clinical trial.** Rachel Thomson (Brisbane (QLD), Australia), Grant Waterer, Michael R. Loebinger, Cecilia Ganslandt
OA1604	**Comparison of the Pharmacokinetics of a child-friendly Fixed-Dose Combination of rifampin and isoniazid and separate tablets in children with pulmonary tuberculosis.** Aziza Pakhlavonova (Moscow, Russian Federation), Valentina Aksenova, Nadezhda Klevno, Alexey Kazakov, Sergey Popov, Vyacheslav Hotchenkov, Alexander Ruzhitsky
OA1605	**Barriers and enablers to implementing TB control strategies in EU and EEA countries: a systematic review** Olivia Conroy (London, United Kingdom), Fatima Wurie, Simon Collin, Matt Edmunds, Gerard De Vries, Knut Lönnroth, Ibrahim Abubakar, Sarah Anderson, Dominik Zenner
OA1606	**Impact of pulmonary tuberculosis on COPD outcomes** Nuno Faria (Porto, Portugal), Maria Inês Costa, Joana Gomes, Maria Sucena
OA1607	**Tuberculosis in the elderly. Clinical aspects and outcomes.** Elena Garay Llorente (Barakaldo, Spain), Eva Tabernero Huguet, Teresa Rodrigo Sanz, Lander Altube Urrengoetxea, Juan Francisco Medina Gallardo, Nerea Ortiz Laza, Javier Garros Garay, Juan Rodriguez Lopez, Jose Maria Garcia Garcia, Pii Tuberculosis Group Separ
OA1608	**Late Breaking Abstract - Impact of the SARS-CoV-2 pandemic on incidence and phenotype of tuberculosis in a UK hotspot** Jee Whang Kim (Leicester, United Kingdom), Rahul Patel, David Bell, Manish Pareek, Helen Thuraisingam, Jo Lee, Alison Gilmour-Caunt, Louise Yorke, Gerrit Woltmann, Raman Verma, Pranabashis Haldar
OA1609	**Discussion**

Channel 4 Session 206 11:15 - 12:45

Oral presentation: Paediatric lung disease: novel mechanisms, methods and translational studies

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Airway diseases

Method(s) : Cell and molecular biology Imaging Physiology Pulmonary function testing Respiratory intensive care

Chairs : Ivana Mižíková (Cologne, Germany), Miguel Angel Alejandre Alcázar (Köln, Germany)

OA1610	**Introduction**
OA1611	**Neonatal ßENaC-Tg mice with cystic fibrosis-like lung disease possess enlarged airspaces** Pinelopi Anagnostopoulou (Nicosia, Cyprus), Sanja Blaskovic, Dominik Schittny, Elena Borisova, Zhe Zhou-Suckow, Jolanthe Schatterny, Marcus A. Mall, Christian M. Schlepütz, Marco Stampanoni, Johannes C. Schittny
OA1612	**Defects in outer dynein arm docking machinery cause primary ciliary dyskinesia** Rim Hjeij (Münster, Germany), Isabella Aprea, Heike Olbrich, Gerard W. Dougherty, Heymut Omran

OA1613	**LSC - 2021 - Development of a 3D in vitro co-culture model of the airway mucosa using human primary cells** Cinta Iriondo (Rotterdam, Netherlands), Kari-Pekka Skarp (k.skarp@erasmusmc.nl / Department of Pediatric Surgery and Intensive Care, Sophia Children's Hospital, Erasmus University Medical Center,Rotterdam), Mieke Veltman (m.veltman@erasmusmc.nl / Department of Cell Biology, Erasmus University Medical Center,Rotterdam), Marjon Buscop-Van Kempen (m.vankempen@erasmusmc.nl / Department of Pediatric Surgery and Intensive Care, Sophia Children's Hospital, Erasmus University Medical Center,Rotterdam), Anne Boerema-De Munck (a.demunck@erasmusmc.nl / Department of Pediatric Surgery and Intensive Care, Sophia Children's Hospital, Erasmus University Medical Center,Rotterdam), Gabriëla Edel (g.edel@erasmusmc.nl / Department of Pediatric Surgery and Intensive Care, Sophia Children's Hospital, Erasmus University Medical Center,Rotterdam), Bob Scholte (b.scholte@erasmusmc.nl / Department of Pediatrics, Division of Respiratory Medicine and Allergology, Sophia Children's Hospital, Erasmus University Medical Center ,Rotterdam), Rene Wijnen (r.wijnen@erasmusmc.nl / Department of Pediatric Surgery and Intensive Care, Sophia Children's Hospital, Erasmus University Medical Center,Rotterdam), Robbert Rottier (r.rottier@erasmusmc.nl / Department of Pediatric Surgery and Intensive Care, Sophia Children's Hospital, Erasmus University Medical Center,Rotterdam)
OA1614	**LSC - 2021 - Decellularized extracellular matrix hydrogels for human airway organoid culture** Sinem Tas (Lund, Sweden), Deniz A. Bölükbas (deniz.bolukbas@med.lu.se / Lung Bioengineering and Regeneration, Dept of Experimental Medical Sciences, Lund University,Lund), Hani N. Alsafadi (hani.alsafadi@med.lu.se / Lung Bioengineering and Regeneration, Dept of Experimental Medical Sciences, Lund University,Lund), Iran An Da Silva (iran.augusto_silva@med.lu.se / Lung Bioengineering and Regeneration, Dept of Experimental Medical Sciences, Lund University,Lund), Martina M. De Santis (martina.de_santis@med.lu.se / Lung Bioengineering and Regeneration, Dept of Experimental Medical Sciences, Lund University,Lund), Emil Rehnberg (emil.rehnberg.319@student.lu.se / Lung Bioengineering and Regeneration, Dept of Experimental Medical Sciences, Lund University,Lund), Isabel Tamargo (isabeltamargo23@gmail.com / Lung Bioengineering and Regeneration, Dept of Experimental Medical Sciences, Lund University,Lund), Sophie Mohlin (sofie.mohlin@med.lu.se / Division of Pediatrics, Clinical Sciences, Translational Cancer Research, Lund University Cancer Center at Medicon Village,Lund), Sandra Lindstedt (sandra.lindstedt_ingemansson@med.lu.se / Dept of Cardiothoracic Surgery, Heart and Lung Transplantation, Wallenberg Center for Molecular Medicine, Lund University Hospital,Lund), Darcy E. Wagner (darcy.wagner@med.lu.se / Lung Bioengineering and Regeneration, Dept of Experimental Medical Sciences, Lund University,Lund)
OA1615	**A safe inhaled alkaline treatment that inhibits respiratory viral infections in a dose-dependent manner** Michael Davis (Indianapolis, United States of America), Jessica Saunders, Ryan Relich, Laura Smith, Benjamin Gaston
OA1616	**Serum thymic stromal lymphopoietin level depends on allergic profile in pediatric asthma** Andrey Kamaev (St. Petersburg, Russian Federation), Olga Trusova, Natalia Lyashenko, Irina Kamaeva, Natalia Shaporova
OA1617	**Late Breaking Abstract - Short exposure to moderate hyperoxia leads to long term effects in the murine lung in-vivo** Erika Gonzalez (Munich, Germany), Juan Henao, Florian Schelter, Markus Mueller, Xin Zhang, Benjamin Schubert, Anne Hilgendorff
OA1618	**Late Breaking Abstract - Estimation of alveolar surface area by functional morphometry utilising a premature baboon model** Theodore Dassios (London, United Kingdom), Mario Rudiger, Donald Mccurnin, Emma Williams, Anne Greenough, Marius Alexander Moebius
OA1619	**Late Breaking Abstract - ERBB3 involved in growth factor pathway crosstalk during neonatal lung development in a 3D ex vivo model** Xin Zhang (Munich, Germany), Xin Zhang, Erika Gonzalez, Carola Voss, Anne Hilgendorff
OA1620	**HBD-2 mutations are associated with childhood asthma and prophylactic hBD-2 application prevents asthma in mice** Natascha Borchers (Lappersdorf, Germany), Elisangela Santos-Valente, Antoaneta A. Toncheva, Jan Wehkamp, Andre Franke, Vincent D. Gaertner, Peter Nordkild, Jon Genuneit, Benjamin A. H. Jensen, Michael Kabesch
OA1621	**Discussion**

Channel 5 Session 207 11:15 - 12:45

Oral presentation: New trends in non-invasive respiratory support

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

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

Method(s) : General respiratory patient care | Respiratory intensive care | Pulmonary function testing | Physiology

Tag(s) : COVID

Chairs : João Carlos Winck Fernandes Cruz (Vila Nova de Gaia, Portugal), Sarah Bettina Schwarz (Köln, Germany)

OA1622	**Introduction**

OA1623	**Validation of a detection algorithm for patient-ventilator asynchrony in COPD patients treated with NIV** Tim Raveling (Groningen, Netherlands), Suzanne Van Norden, Matieke Duiverman
OA1624	**Ultrasonographic evaluation of the diaphragm during NHF versus NIV use in respiratory failure.** Jens Bräunlich (Leipzig, Germany), Andreas Hoheisel, Alexandra Wald, Hubert Wirtz
OA1625	**Effect of respiratory muscle unloading on cerebral and peripheral muscle oxygenation during high-intensity exercise in COPD-HF patients** Cássia Goulart (São Carlos, Brazil), Flávia Caruso, Adriana De Araújo, Sílvia De Moura, Aparecida Catai, Piergiuseppe Agostoni, Renata Mendes, Ross Arena, Audrey Borghi-Silva
OA1626	**Home nasal high-flow following severe COPD exacerbation: a mixed-methods feasibility randomised controlled trial** Rebecca D'Cruz (London, United Kingdom), Anne Rossel, Eui-Sik Suh, Georgios Kaltsakas, Neeraj Shah, Amy Dewar, Louise Rose, Patrick Murphy, Nicholas Hart
OA1627	**High-flow nasal cannula therapy versus standard pressure support non-invasive ventilation in treating adult patients with severe asthma exacerbation complicated with respiratory failure** Doaa Magdy (Assiut, Egypt), Ahmed Metwally
OA1628	**Non-invasive respiratory support in COVID-19 patients outside the intensive care unit: a multicenter study** Eduardo Antonio Velez Segovia (Barcelona, Spain), Sergi Martí Beltran, Mercedes Pallero Castillo, Julia Sampol Sirvent, Toni Marín, Irene Aldas, Gladis Sabater, Marc Bonnin, Manel Luján, Cristina Lalmolda Puyol, Patricia Peñacoba, Juana Martinez Llorens, Oscar Bernadich, Julia Tarrega, Ana Cordoba Izquierdo, Lourdes Lozano, Anne-Elie Carsin, Susana Mendez, Judith Garcia
OA1629	**Recommended approaches to minimize aerosol dispersion of COVID during noninvasive ventilatory support can deteriorate ventilator performances: a benchmark comparative study** Maxime Patout (Mont-Saint Aignan, France), Emeline Fresnel, Manuel Lujan, Claudio Rabec, Annalisa Carluci, Léa Razakamanantsoa , Adrien Kerfourn , Hilario Nunes, Yacine Tandjaoui-Lambiotte, Antoine Cuvelier, Jean-François Muir, Cristina Lalmoda, Bruno Langevin, Javier Sayas, Jesus Gonzalez-Bermejo , Jean-Paul Janssens
OA1630	**Usefulness of telemedicine in ALS during COVID-19 pandemic** Natalia Pascual Martinez (Cordoba, Spain), María Melgar Herrero, Estefania Mira Padilla, Cristina Gomez Rebollo, Pablo García Lovera, Cristina Muñoz Corroto, Teresa Gomez Caravaca, Laura Muñoz Cabello, Manuela Mejías Ruiz, Mariola Fernández Alcaide, Ana Luz Luna Jiménez, Jose María Martín Muñoz, María José González Benitez, Mónica Posadas De Julián, Rosa Gómez Gómez, Maria Luisa Raya Seco De Herrero, Elisa Martínez Repiso
OA1631	**Correlation between GFAP and UCH-L1 serum concentrations and mitigation of brain insult after MV with diaphragm neurostimulation.** Thiago Bassi (Burnaby, Canada), Elizabeth Rohrs, Karl Fernandez, Marlena Ornowska, Michelle Nicholas, Matt Gani, Doug Evans, Steve Reynolds
OA1632	**Late Breaking Abstract - Inspiratory Effort And Respiratory Mechanics In Spontaneously Breathing Covid-19 Patients On Hospital Admission** Roberto Tonelli (Modena, Italy), Ivana castaniere, Alessandro Marchioni, Luca Tabbì, Riccardo Fantini, Dario Andrisani, Filippo Gozzi, Giulia Bruzzi, Linda Manicardi, Antonio Moretti, Caterina Cerbone, Morgana Vermi, Emanuela Biagioni, Stefano Busani, Massimo Girardis, Enrico Clini
OA1633	**Discussion**

Studio Amsterdam Session 208 11:15 - 12:45

Symposium: Wheezing illnesses along the life span

Aims : To provide clinicians with practical take-home messages regarding the key management and health policy issues related to the respiratory health of children and young people; to provide an update on four important topics in paediatric respiratory medicine.

Disease(s) : Paediatric respiratory diseases Respiratory infections

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

Tag(s) : Translational , Digital health, Clinical

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

Chairs : Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Alexander Möller (Zürich, Switzerland)

11:15	**Introduction**	**1634**
11:20	**Can phenotype and endotype discovery be translated to the clinic?** Adnan Custovic (London, United Kingdom)	**1635**

11:35	**Biologics: current use and future applications for personalised therapy** Els J.M. Weersink (Amsterdam, Netherlands)	**1636**
11:50	**Time to ban short-acting -agonists and use anti-inflammatory treatment as required to improve outcomes** Fabiano Di Marco (Trezzano Sul Naviglio (MI), Italy)	**1637**
12:05	**The pro's and con's of remote monitoring and telemedicine** Theresa Guilbert (Cincinnati, United States of America)	**1638**
12:20	**Discussion and Q&A**	**1639**

Studio Barcelona Session 209 11:15 - 12:45

Lungs on fire: LoF Interstitial lung diseases?

Aims : To describe real-life clinical cases during the innovative interactive session, including the presentation of cases that have various levels of difficulty and often necessitate a differential diagnosis. This session will be led by a discussant, who will present the cases to a panel of experts and the audience. The discussant will encourage discussion among the panel of experts, who are encountering these cases for the first time. To further determine diagnostic and therapeutic options for these patients, the discussant will also invite audience participation in the reflexion and discussion of these cases.

Disease(s) : Interstitial lung diseases

Tag(s) : Clinical

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

Chairs : Katerina Antoniou (Heraklion, Greece), Carlos Robalo Cordeiro (Coimbra, Portugal), Tiago Alfaro (Coimbra, Portugal)

Discussants : Nazia Chaudhuri (Manchester (Greater Manchester), United Kingdom)

11:15	**Introduction**	**1644**
11:20	**Presentation of cases by the session facilitator** Nazia Chaudhuri (Manchester (Greater Manchester), United Kingdom)	**1645**
	Case 1 - Author: Mário Alexandre Oliveira Pinto, Portugal	**1640**
	Case 2 - Author: Sophie Cottin, Belgium	**1641**
	Case 3 - Author: Johad Khoury, Israel	**1642**
	Case 4 - Author: Wallace Wee, Canada	**1643**
12:40	**Session wrap-up**	**1646**

Studio London Session 210 11:15 - 12:45

Symposium: Sarcopenia in chronic respiratory disease: new definitions, assessment and treatment options

Aims : To describe the concept of sarcopenia in chronic respiratory disease and its importance to maintain and/or optimise the benefits of pulmonary rehabilitation; to describe the assessment of sarcopenia in chronic respiratory disease; to describe how to implement and assess the treatment options for sarcopenia in chronic lung disease; to describe the effects of sarcopenia on patients undergoing pulmonary rehabilitation.

Disease(s) : Airway diseases Thoracic oncology

Method(s) : General respiratory patient care Physiology 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, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Respiratory therapist

Chairs : Martijn A. Spruit (Horn, Netherlands), Charlotte Suppli Ulrik (Virum, Denmark)

11:15	**Introduction**	**1647**
11:20	**Update on recent definitions and diagnosis of sarcopenia** Gulistan Bahat (İSTANBUL, Turkey)	**1648**

11:35	**Malnutrition and sarcopenia assessment** Annemie Schols (Maastricht, Netherlands)	**1649**
11:50	**Underlying mechanisms and pharmacological approaches for treatment of sarcopenia** Neil Greening (Leicester (Leicestershire), United Kingdom)	**1650**
12:05	**Modalities of pulmonary rehabilitation, including exercise training for sarcopenia in chronic lung disease** Matthew Maddocks (London, United Kingdom)	**1651**
12:20	**Discussion and Q&A**	**1652**

Studio Munich — Session 211 — 11:15 - 12:45

Symposium: Digital transformation in practice: enabling next-generation medicine

Aims : To present an initiative for personalised medicine using new medical technologies; to discuss the implementation of digital resources to improve the care of respiratory patients.

Disease(s) : Airway diseases | Respiratory infections

Method(s) : General respiratory patient care

Tag(s) : Clinical, COVID, Digital health

Target audience : Adult pulmonologist/Clinician, General practitioner, Medical Technical Assistant, Nurse, Patient

Chairs : Marc Miravitlles (Barcelona (CT), Spain), Miriam Barrecheguren Fernandez (Barcelona, Spain)

11:15	**Introduction**	**1653**
11:20	**The Catalan open innovation hub on ICT-supported integrated care services** Carme Hernandez Carcereny (Barcelona, Spain)	**1654**
11:35	**Turning the crisis into an opportunity: digital health strategies deployed during the COVID-19 outbreak** Jordi Piera (Barcelona, Spain)	**1655**
11:50	**Computational challenges of personalised medicine: from bench to bedside** Kristel Van Steen (Liege, Belgium)	**1656**
12:05	**Implementation of digitally enabled integrated person-centred care across Europe** Filip Domanski (Brussels, Belgium)	**1657**
12:20	**Discussion and Q&A**	**1658**

Channel 6 — Session 212 — 11:15 - 12:45

Oral presentation: Respiratory infections

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Respiratory critical care | Airway diseases

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

Chairs : Graham H. Bothamley (London, United Kingdom), Chair to be confirmed

OA1659	**Introduction**
OA1660	**Late Breaking Abstract - Value of the interleukin profile can be an objective standart for control the tactics of managing patients with bronchiolitis** Pavel Berezhanskiy (Uspenskoe (Moscow region), Russian Federation), Andrey Andjel, Aleksandr Malachov, Valeria Elagina
OA1661	**Late Breaking Abstract - Developing the pneumonia-optimized ratio for community-acquired pneumonia: an easy, inexpensive and accurate prognostic biomarker** Guilherme Cristianetti Frison (Porto Alegre, Brazil), Enrico Moretto, Vinícius Cury, Lucas Antoniazzi, Paulo Henrique Oliveira, Wyllians Borelli, Sainan Cunha, Renato Seligman
OA1662	**Late Breaking Abstract - Dysbiosis in the lung microbiome of patients with HIV and pneumonia is associated with worse disease severity and mortality scores** Veronica Ueckermann (Pretoria (Gauteng), South Africa), Marthie Ehlers

OA1663	**Late Breaking Abstract - The prognostic value of computed tomography findings in COVID-19 older patients** Panaiotis Finamore (Roma (RM), Italy), Chukwuma Okoye, Giuseppe Bellelli, Alessandra Coin, Susanna Del Signore, Stefano Fumagalli, Pietro Gareri, Alba Malara, Enrico Mossello, Caterina Trevisan, Stefano Volpato, Gianluca Zia, Fabio Monzani, Raffaele Antonelli Incalzi
OA1664	**Late Breaking Abstract - Relevance of first wave derived COVID-19 prediction scores, in the UK second wave, for mortality and safe early discharge** Hakim Ghani (Watford, United Kingdom), Alessio Navarra, Shamira Ghouse, Nafisa Hussain, Nabiah Malik, Jishanthan Ragunathan, Simon Saldanha, Kholiwe Kutshwa, Mihira Patel, Sceyon Mohan, Rama Vancheeswaran
OA1665	**Late Breaking Abstract - Tocilizumab in hospitalized patients with severe COVID-19: an open label, prospective study** Theodoros Karampitsakos (Athens, Greece), Elli Malakounidou, Ourania Papaioannou, Vassilina Dimakopoulou, Eirini Zarkadi, Matthaios Katsaras, Panagiota Tsiri, Georgios Tsirikos, Ioanna Oikonomou, Christos Davoulos, Vasiliki Georgiopoulou, Fotios Sampsonas, Markos Marangos, Karolina Akinosoglou, Argyris Tzouvelekis
OA1666	**Late Breaking Abstract - Improving adherence to prescribing remdesivir in COVID-19** Rebecca Bamford (London, United Kingdom), Rebecca Bamford, Usman Ahmed, Nilakshini Mahendran, Tina Ramishvili, Henry Garner, Shamir Alvis, Mila Germani-Batacchi, Adam Ainley
OA1667	**Late Breaking Abstract - Economic burden of pertussis among adults 50 years and above: a retrospective observational study in England** Lauriane Harrington (Wavre, Belgium), Emmanuel Aris, Bhavsar Amit, Akpo Essè Ifèbi Hervé, Jason C. Simeone, Anna Ramond, Dimitra Lambrelli, Nicolas Jamet, Yan Sergerie, Piyali Mukherjee, Kinga Meszaros
OA1668	**Late Breaking Abstract - 1-year radiological, functional and quality-of-life outcomes in patients with SARS-CoV-2 pneumonia: A prospective observational study.** Pietro Gianella (Lugano, Switzerland), Marco Marando, Tanja Fusi-Schmidhauser, Adriana Tamburello, Lorenzo Grazioli-Gauthier, Elia Rigamonti, Gianluca Argentieri, Carla Puligheddu, Alberto Pagnamenta, Antonio Valenti, Marco Pons
OA1669	**Late Breaking Abstract - Short duration high intensity intrapleural Alteplase with Pulmozyme in pleural infection management – a single centre experience** Xiong Khee Cheong (Kuala Lumpur, Malaysia), Mohamed Faisal Abdul Hamid, Andrea Yu-Lin Ban , Boon Hau Ng, Nik Nuratiqah Nik Abeed, Nik Azuan Nik Ismail, Nik Farhan Nik Fuad, Syed Zulkifli Syed Zakaria, Sheah Lin Ghan
OA1670	**Discussion**

Studio Paris Session 213 12:10 - 12:25

Breakout room: Breakout room: Primary care session, Part II: restarting asthma care in the post-COVID era

Chairs : Gustavo Cortes Puentes (Rochester, United States of America), Hanna Sandelowsky (Vendelso, Sweden), Viv Marsh (Bridgnorth, United Kingdom), Noel Baxter (Glasgow, United Kingdom)

Studio Paris Session 214 12:20 - 13:00

Pro-Con debate: The current classification of pulmonary hypertension meets clinical practice

Aims : To identify strenghts and weaknesses of the current pulmonary arterial hypertension (PAH) classification; to discuss 1) how the altered phenotype of pulmonary arterial hypertension fits in the classification; to discuss comorbidities and multiple causes of pulmonary hypertension (PH); to discuss novel biological insights which might or might not be useful to be included in the current classification.

Disease(s) : Pulmonary vascular diseases

Method(s) : Imaging Pulmonary function testing Respiratory intensive care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Nurse, Respiratory critical care physician, Physician in Pulmonary Training

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

12:20	**Introduction**	**1671**
12:22	**Pro: The current classification of pulmonary hypertension meets clinical practice** David Montani (Le Kremlin-Bicêtre, France)	**1672**
12:34	**Con: The current classification of pulmonary hypertension meets clinical practice** Harm Jan Bogaard (Amsterdam, Netherlands)	**1673**
12:46	**Discussion and Q&A**	**1674**

Studio Amsterdam Session 215 12:45 - 13:00

Breakout room: Breakout room: Symposium, Wheezing illnesses along the life span

Chairs : Adnan Custovic (London, United Kingdom), Els J.M. Weersink (Amsterdam, Netherlands), Fabiano Di Marco (Trezzano Sul Naviglio (MI), Italy), Theresa Guilbert (Cincinnati, United States of America), Abdul Mannan Mustafa (Multan, Pakistan)

Studio Barcelona Session 216 12:45 - 13:00

Breakout room: Breakout room: Lungs on fire, LoF Interstitial lung diseases?

Chairs : Kunal Khanderao Deokar (Thane (Maharashtra), India), Nazia Chaudhuri (Manchester (Greater Manchester), United Kingdom)

Studio London Session 217 12:45 - 13:00

Breakout room: Breakout room: Symposium, Sarcopenia in chronic respiratory disease: new definitions, assessment and treatment options

Chairs : Ema Swingwood (Monmouthshire, United Kingdom), Gulistan Bahat (STANBUL, Turkey), Annemie Schols (Maastricht, Netherlands), Matthew Maddocks (London, United Kingdom), Neil Greening (Leicester (Leicestershire), United Kingdom)

Studio Munich Session 218 12:45 - 13:00

Breakout room: Breakout room: Symposium, Digital transformation in practice: enabling next-generation medicine

Chairs : Justine Devulder (London, United Kingdom), Carme Hernandez Carcereny (Barcelona, Spain), Jordi Piera (Barcelona, Spain), Kristel Van Steen (Liege, Belgium), Filip Domanski (Brussels, Belgium)

Skills lab Session 219 12:50 - 15:00

Skills lab: Thoracic ultrasound

Aims : To demonstrate the current use of thoracic ultrasound and to provide participants with the practical case examples with expert commentary.

Disease(s) : Thoracic oncology | Interstitial lung diseases | Respiratory infections | Respiratory critical care

Method(s) : Imaging General respiratory patient care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Nurse, Paediatrician, Physician in Pulmonary Training, Respiratory critical care physician, Thoracic oncologist, Thoracic surgeon

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

12:50	**Introduction** Najib M. Rahman (Oxford, United Kingdom), Christian B. Laursen (Odense, Denmark)	**1675**
13:00	**Live demonstration: Chest wall & parietal pleura** Najib M. Rahman (Oxford, United Kingdom)	**1676**
13:20	**Live demonstration: Focused assessment of the lung & heart** Christian B. Laursen (Odense, Denmark)	**1677**
13:40	**Thoracic ultrasound for assessing and monitoring patients with acute respiratory distress syndrome** Silvia Mongodi (Pavia, Italy)	**1678**
14:00	**Transthoracic ultrasound guided biopsies** Rocco Trisolini (Bologna (BO), Italy)	**1679**
14:20	**Contrast enhanced thoracic ultrasound** Niels Jacobsen (Odense M, Denmark)	**1680**
14:40	**Thoracic ultrasound for monitoring patients following pleurodesis** Maged Hassan (Alexandria, Egypt), Eihab Bedawi (Oxford (Oxfordshire), United Kingdom)	**1681**

Studio Paris Session 220 13:00 - 13:15

Breakout room: Breakout room: Pro-Con debate, The current classification of pulmonary hypertension meets clinical practice

Chairs : Gustavo Cortes Puentes (Rochester, United States of America), David Montani (Le Kremlin-Bicêtre, France), Harm Jan Bogaard (Amsterdam, Netherlands)

13:00-14:30
INDUSTRY VIRTUAL SYMPOSIUM SEE PAGE 1

Pre-congress content Session 227 13:15 - 14:15

E-poster: Epidemiology and burden of tuberculosis and other lung diseases

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases | Respiratory critical care | Thoracic oncology

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

Tag(s) : COVID

Chairs : Adrian Rendon (Monterrey, Mexico), Kiarina Chichirelo-Konstantynovych (Vinnitsya, Ukraine)

PA1720	**Efficacy and safety of chemotherapy regimens containing fluoroquinolones in pediatric TB** Yulia Khokhlova (Moscow, Russian Federation), Marina Gubkina, Natalya Yukhimenko, Irina Petrakova, Svetlana Sterlikova
PA1721	**Effect of smoking on tuberculosis treatment outcomes: A systematic review and meta-analysis** Abay Burusie (Assela, Ethiopia), Fikre Enquesilassie, Adamu Addissie
PA1722	**Predictors of retrospective tuberculosis treatment outcomes in selected health institutions in Nigeria** Nelson Eze (Abuja, Nigeria)
PA1723	**Prevalence of the epidemic variants of the Mycobacterium tuberculosis Beijing genotype across Russian regions** Igor Mokrousov (St. Petersburg, Russian Federation), Anna Vyazovaya, Svetlana Zhdanova, Tatiana Umpeleva, Maria Badleeva, Irina Yarusova, Alena Gerasimova, Regina Mudarisova, Natalia Solovieva, Natalia Eremeeva, Diana Vakhrusheva, Oksana Pasechnik, Oleg Ogarkov, Viacheslav Zhuravlev
PA1724	**The social and structural determinants of tuberculosis incidence trends in 116 countries from 2005-2015: an ecological study** Fiona A. Koeltringer (Salzburg, Austria), Kristi Annerstedt, Daniel Carter, Delia Boccia, William E. Rudgard
PA1725	**Prevalence of Eosinophilia in Patients with Tuberculosis** Vasanth Naidu (london, United Kingdom), Moerida Belton
PA1726	**Prevalence of Multidrug Resistant Tuberculosis among TB Patients in Malaysia.** Mahindran Rajendran (Shah Alam, Malaysia)
PA1727	**Effect of air pollution and greenness on the nasal microbiota in infancy** Amanda Gisler (Basel, Switzerland), Insa Korton, Markus Hilty, Kees De Hoogh, Danielle Vienneau, Urs Frey, Fabienne Decrue, Olga Gorlanova, Andras Soti, Philipp Latzin, Jakob Usemann
PA1728	**The combined effect of air pollution and temperature on respiratory health outcomes: a systematic review.** Ashtyn Areal (Düsseldorf, Germany), Qi Zhao, Claudia Wigmann, Tamara Schikowski
PA1729	**The effects of national lockdown on incidence of acute exacerbation of chronic obstructive pulmonary disease** Richard Cooper (Chester, United Kingdom), Imran Hussain, Naveed Mustfa, Helen Stone
PA1730	**Data driven phenotyping and COVID-19 case definitions: a pattern recognition approach** George Vavougios (Larissa, Greece), Christofors Konstantatos, Pavlos - Christoforos Sinigalias, Sotirios Zarogiannis, Kostas Kolomvatsos, Konstantinos Gourgoulianis
PA1731	**Association between antacid proton pump inhibitors and histamine 2 receptor antagonists) and incidence of lung cancer: a population-based cohort analysis** Won-Il Choi (Goyang-si, Republic of Korea), Jihyeon Jeong, Choong Won Lee
PA1732	**Coronavirus infection (Covid – 19) in children with cystic fibrosis in the Russian Federation** Elena Zhekaite (Moscow, Russian Federation), Elena Kondratyeva, Victoria Sherman, Olga Simonova, Yuliya Gorinova, Anna Voronkova
PA1733	**Predictors for detecting chronic respiratory diseases in population surveys: a pilot study for RESPIRE 4CCORD study** Dhiraj Agarwal (Pune (Maharashtra), India), Nik Sherina Hanafi, Ee Ming Khoo, Richard Parker, Deesha Ghorpade, Sundeep Salvi, Osman M Yusuf, Mohsin S Khan, Shahida O Yusuf, Deepa Das, Biswajit Paul, Rita Isaac, Mohammad Shahidul Islam, Samir Saha, Su May Liew, Norita Hussein, Ahmad Ihsan Abu Bakar, Yong Kek Pang, Karuthan Chinna, Li Ping Wong, Sanjay Juvekar, Hilary Pinnock

PA1734 **Progression to a severe form of COVID-19 among patients with chronic respiratory diseases: a French multicentric study.**
Sarah BASIN (NANCY, France), Simon Valentin, Arnaud Maurac, Mathias Poussel, Benjamin Pequignot, Aurélien Brindel, Céline Robert, Cédric Baumann, Amandine Luc, Julien Soler, François Chabot, Ari Chaouat

PA1735 **COVID-19 Related Deaths in Istanbul**
Nilufer Aykac (ISTANBUL, Turkey), Onur Hamzaoglu

PA1736 **Survival and decanulation frequency in out-of-hospital intensive care**
Abdel Hakim Bayarassou (Rösrath, Germany), Simon D. Herkenrath, Wilhelm Rehorn, Marcel Treml, Winfried Randerath

PA1737 **Factors associated with community-acquired pneumonia in-hospital mortality in Portugal**
Ezequiel Pessoa (Lisbon, Portugal), Cristina Bárbara, Andreia Costa, Paulo Nogueira

PA1738 **Targeted sequencing of 130 asthma candidate genes and association testing of rare variants with age of onset in Norwegian asthma patients.**
Gry B. N. Nordang (Skien, Norway), Øyvind L. Busk, Geir Klepaker, Christian M. Page, Marissa Leblanc, Øystein L. Holla, Anne Kristin M. Fell

Pre-congress content Session 228 13:15 - 14:15

E-poster: Pneumonia

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Respiratory critical care

Method(s) : General respiratory patient care Cell and molecular biology Respiratory intensive care Epidemiology Public health

Chairs : Adrian Ceccato (barcelona, Spain), Catia Cilloniz Campos (Barcelona, Spain)

PA1739 **Long-term impact of DRIP score on antibiotic stewardship in patients with community acquired pneumonia**
Jason Carr (Salt Lake City, United States of America), Michael Lanspa, Brandon Webb, Nathan Dean

PA1740 **Prime-boost, double-dose immunization and immunity to influenza vaccination in COPD**
Andrew Jarnicki (Parkville, Australia), Gary P. Anderson, Louis B. Irving, Andrew Jarnicki, Katherine Kedzierska, Marios Koutsakos, Stephen Kent, Aeron C. Hurt, Adam K. Wheatley, Thi H. O. Nguyen, Natale Snape, John Upham

PA1741 **Outcomes of Critically ill Very old patients with Acute Respiratory Distress Syndrome and Community-Acquired Pneumonia**
Catia Cilloniz Campos (Barcelona, Spain), Juan Manuel Pericas, Hector Peroni, Albert Gabarrus, Enric Barbeta, Andrea Palomeque, Miquel Ferrer, Antoni Torres

PA1742 **Severity of community-acquired-pneumonia in elderly.**
Asma Ghourabi (Ariana, Tunisia), Ines Zendah, Chirine Moussa, Houda Rouis, Nour Mahmoud, Soumaya Debbiche, Alya Zaoui, Ibtihel Khouaja, Amel Khattab, Lamia Bayahi, Habib Ghedira

PA1743 **Respiratory tract infection in centenarians**
Christiaan Yu (Clayton, Australia), Ar Aung, Chuan Foo

PA1744 **The impact of Healthcare-Associated Pneumonia in patients admitted in a Northern Portuguese hospital**
Lucía Méndez González (Santa Maria da Feira, Portugal), Pedro Castro, Catia Caneiras

PA1745 **VAP: Clinicoradiological and microbiological profile & risk-factors for MDR bacterial infection**
Sweta Nandy (Kolkata, India), Arunabha Datta Chaudhuri, Sumit Roy Tapadar

PA1746 **Particularities of pneumonia in diabetes patients.**
Asma Ghourabi (Ariana, Tunisia), Chirine Moussa, Houda Rouis, Soumaya Debbiche, Nour Mahmoud, Alya Zaouia, Amel Khattab, Ibtihel Khouaja, Ines Zendah, Habib Ghedira

PA1747 **An Audit of Hospital in the Home Treatment in Respiratory Patients**
Mohammed Al Harrasi (Nizwa, Oman), Paul King

PA1748 **A STUDY OF CLINICORADIOLOGICAL AND MICROBIOLOGICAL PROFILE AND BIOMARKERS IN CASES OF COMMUNITY ACQUIRED PNEUMONIA ADMITTED IN A TERTIARY CARE HOSPITAL**
BISWAJIT HATI (Berhampore, India), Atin Dey, Somnath Bhattacharya, Mitali Chatterjee

PA1749 **Lymphopenic community acquired pneumococcal pneumonia: Clinical characteristics and outcome**
Luis Alberto Ruiz Iturriaga (Barakaldo (Vizcaya), Spain), Leyre Serrano Fernandez, Beatriz Gonzalez Quero, Ainhoa Gomez Bonilla, Silvia Perez Fernandez, Alejandro Rezola Carasusan, Amaia Artaraz Ereño, Jone Solorzano Santobeña, Imanol Gonzalez Muñoz, Pedro Pablo España Yandiola, Rafael Zalacain Jorge

PA1750 **Bacteraemic pneumococcal pneumonia and SARS-CoV-2 pneumonia: differences and similarities**
Leyre Serrano Fernandez (Bilbao (Bizkaia), Spain), Luis Alberto Ruiz Iturriaga, Pedro Pablo España Yandiola, Raul Mendez Ocaña, Silvia Perez Fernandez, Eva Tabernero Huget, Ane Uranga Echeverria, Paula Gonzalez Jimenez, Patricia Garcia Hontoria, Rosario Menendez Villanueva, Rafael Zalacain Jorge

PA1751 **Trends in mortality from lower respiratory tract infections in Greece (1998-2015)**
Garifallia eirini Perlepe (Larissa, Greece), Ioannis C Lampropoulos, Dimitrios Raptis, Zoe Daniil, Ioanna V Papathanasiou, Konstantinos I Gourgoulianis, Foteini Malli

PA1752 **The predictive validity for mortality in community-acquired pneumonia of qSOFA was greater than IDSA/ATS minor criteria**
Qi Guo (Shenzhen (Guangdong), China), Hai-Yan Li, Wei-Dong Song, Ming Li, Xiao-Ke Chen, Hui Liu, Hong-Lin Peng, Hai-Qiong Yu, Nian Liu, Yan-Hong Li, Zhong-Dong Lü, Li-Hua Liang, Qing-Zhou Zhao, Mei Jiang

PA1753 **Impact on in-hospital mortality of Ceftaroline versus standard of care in Community-Acquired Pneumonia: A Propensity Matched Analysis**
Catia Cilloniz Campos (Barcelona, Spain), Raul Mendez, Hector Peroni, Carolina Garcia-Vidal, Veronica Rico, Rosario Menendez, Antoni Torres, Alex Soriano

PA1754 **Outcomes reported in pneumonia randomized controlled trials**
Alexander Mathioudakis (Stockport, United Kingdom), Markus Fally, Rebecca Robey, Thomas Willams, Faiuna Haseeb, Ahmed Kouta, Paul Dark, Andrew Bentley, Jørgen Vestbo, Tim Felton

PA1755 **Performance of the CORB score for predicting clinical outcomes in community-acquired pneumonia.**
Karen Dayanna Pedreros Suarez (Bogotá, Colombia), Alirio Bastidas, Karen D Pedreros, Manuela Herrera, Juan F Frias, Alvaro F. Aguilar, Laura D Saza, Alejandra P. Nonzoque, Laura E. Bello, Maria D. Hernandez, German A Camargo, Anyelinne Jaimes, Silvia Ramirez, Natalia Murillo, Luis F Reyes

PA1756 **Hospital aquired pneumonia- what's the score? A scoping & observational study on severity scoring indicies in HAP**
Michael Peirson (Beverley, United Kingdom), Peter Kempster, Sion Williams, Damian John Mckeon

PA1757 **Rapid syndromic PCR testing in a Norwegian cohort with suspected community acquired pneumonia**
Sondre Serigstad (Bergen, Norway), Harleen M.S. Grewal, Marit Ebbesen, Øyvind Kommedal, Dagfinn Markussen, Lars Heggelund, Daniel Faurholt-Jepsen, Christian Ritz, Elling Ulvestad, Rune Bjørneklett, Siri T. Knoop, . Capnor Study Group*

PA1758 **Can sputum induction aid in identifying micro-organisms that cause respiratory tract infections other than tuberculosis? A tertiary care hospital experience.**
Ayaz Mohammad Khan (Riyadh 11426, Saudi Arabia), Hamdan Al-Jahdali , Abdullah Harbi, Rajkumar Rajendram, Al-Rhaji Suliman, Sherbini Nahid, Mohammed Alhamadi, Abdula Al-Rashidi

Pre-congress content Session 229 13:15 - 14:15

E-poster: Acute non-invasive respiratory therapies in COVID-19 and beyond

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

Method(s) : Respiratory intensive care | General respiratory patient care | Epidemiology | Pulmonary function testing | Physiology | Public health

Tag(s) : COVID

Chairs : Lieuwe D.J. Bos (Amsterdam, Netherlands)

PA1759 **CPAP as a useful tool in COVID-19 related acute hypoxemic respiratory failure: Experience from 3 UKhospitals**
Niranjan Babu Ananda Setty (Bangalore (Karnataka), India), Yasser Ahmed, Ashraf Roshdy, Duncan Powrie, Dora Amran, Alguili Elsheikh, Sriya Gokaraju, Anne Tear, Maryam Noeman, Maria Darda, Iman El Sayed, Vijayalakshmi Karunanithi, Aarani Mahalingam, Muhammad Shafiq, Iman Abdulkhalik, Johnson Samuel

PA1760 **Experience with high-flow nasal oxygen therapy in COVID-19 patients on a regular internal medicine ward**
Markus Hofer (Zürich, Switzerland), Mark Schmiedskamp, Spencer Rezek, Natalie Ott, Ines Unger, Georg Volk, Jürgen Hetzel

PA1761	**The use of pronation associated with non-invasive ventilator support in patients with severe SARS-CoV-2 pneumonia: preliminary data.** Giancarlo Garuti (Modena (MO), Italy), Elisa Businarolo, Rosita Melara, Lorenzo Porrino, Maria Serena Simeone, Valeria Vezzani, Carmela Cilione, Maurizio Moretti, Alessandro Pignatti, Rodolfo Murgia
PA1762	**Survival rates among COVID-19 patients treated with high flow nasal oxygen therapy with a do-not-intubate-order: an observational study** Illaa Smesseim (Hoofddorp, Netherlands), Burak Atasever, Lisa Hessels, Daniel Korevaar, Lieuwe Bos, Bram Goorhuis, Esther Nossent, Kirsten Mooij-Kalverda, Peter Bonta
PA1763	**The impact of embedding trial recruitment into a clinical care pathway** Kay Por Yip (Birmingham, United Kingdom), Simon Gompertz, Catherine Snelson, Jeremy Willson, Shyam Madathil, Syed Huq, Farrukh Rauf, Natasha Salmon, Julie Tracey, Brendan Cooper, Kay Filby, Dhruv Parekh, Davinder Dosanjh
PA1764	**Non-Invasive Respiratory Support outcomes in patients with SARS-Cov-2 and Respiratory Failure managed in an Acute Respiratory Care Unit (ARCU)** Milan Barik (Hull (North Humberside), United Kingdom), Sarah Boot , Anjali Gondker, Joseph Hogg, Aoc Johnson, Muthu Thirumaran, Husham Elfaki , Akshay Dwarakanath
PA1765	**First and second waves results of COVID-19 patients treated with non-invasive respiratory therapies outside the ICU: unicentric, observational study** VIRGINIA Parra León (MADRID, Spain), Daniel López-Padilla, José Rafael Terán Tinedo, Sergio Suárez Escudero, Soledad López Martín, Elena Ojeda Castillejo, Francisco Caballero Segura, Beatriz Recio Moreno, Christian Castro Riera, Luis Puente Maestú
PA1766	**A retrospective study of the use of ROX index to predict failure in patients receiving CPAP for COVID-19** Asfandyar Yousuf (Norwich, United Kingdom), David Gottlieb, Aneesh Aggarwal, Bernadette Peacock, Shruthi Konda
PA1767	**Risk factors for noninvasive ventilatory support failure in patients with COVID-19 pneumonia** Inês Teixeira Farinha (Maia, Portugal), Alexandra Tenda Cunha, Lídia Gomes, Samuel Pereira, Maria Inês Matias, João Pina Cabral, Christine Canizes, Filipa Costa
PA1768	**Predictors of weaning from helmet CPAP in COVID-19: preliminary results from a retrospective observational study** Dejan Radovanovic (Milano (MI), Italy), Stefano Pini, Marina Saad, Luca Perotto, Maurizio Rizzi, Pierachille Santus
PA1769	**Early use of Helmet CPAP reduces mortality rate in patients with COVID-19** Francesco Andrani (Piacenza, Italy), Francesco Andrani, Angelo Mangia, Enrica Bucchioni, Sara Chiesa, Paolo Magri, Antonella Ielpo, Silvia Di Stasi, Carlo Cagnoni, Daniela Aschieri, Marco Stabile, Cristina Maestri, Cosimo Franco
PA1770	**CPAP improves oxygen saturation and breathing rate in COVID-19 patients** Mark Schmiedeskamp (Winterthur, Switzerland), Markus Hofer, Spencer Rezek, Ines Unger, Natalie Ott, Georg Volk, Jürgen Hetzel
PA1771	**Monitoring lung mechanics by oscillometry in COVID 19 ARDS receiving non-invasive ventilation: a pilot study** Chiara Veneroni (Milano (MI), Italy), Chiara Torregiani, Paola Confalonieri, Gloria Citton, Francesco Salton, Mohamad Jaber, Marco Confalonieri, Raffaele Dellaca'
PA1772	**The impact of the COVID-19 pandemic on a domiciliary non-invasive ventilation (D-NIV) service referral** Stephanie K. Mansell (Guildford (Surrey), United Kingdom), Swapna Mandal
PA1773	**The effect of the COVID-19 pandemic on response times for acute non-invasive ventilation (NIV) set-ups** Rahul Mukherjee (Birmingham (West Midlands), United Kingdom), David Inglis, Pearlene Antoine-Pitterson, Emma Gallagher, Bethany Jones
PA1774	**Validity of APACHE II and SOFA score in Predicting Prognosis in Mechanically Ventilated Patients in Respiratory ICU** Nida Choudhry (Bareilly, India), Lalit Singh, Rajeev Tandon, Utkarsh Khattri
PA1775	**Impact on outcome of non invasive ventilation after extubation** Lilya Debbiche (Rades, Tunisia), Samia Ayed, Selim Sellaouti, Farouk Daoud, Amira Jamoussi, Emna Rachdi, Fatma Jarraya, Jalila Ben Khelil, Mohamed Besbes
PA1776	**Experimental use of CPAP device for emergency high-flow nasal oxygen therapy** Pavol Pobeha (Košice, Slovakia), Jakub Hack, Pavol Joppa
PA1777	**Predictors of persistent hypercapnia after an hypercapnic AECOPD** Jens Bräunlich (Leipzig, Germany), Kristin Turba, Hubert Wirtz

PA1778 **Characteristics of obese patients admitted in a department of pneumology with acute hypercapnic respiratory failure (AHRF): an observational study in a north African population**
Ahmed Dhia EL-EUCH (Sfax, Tunisia), Boullah Moustapha, Gargouri Rahma, Kotti Amina, Jdidi Jihen, Moussa Nedia, Jmal Yassin, Ketata Wajdi, Kammoun Samy

Pre-congress content Session 230 13:15 - 14:15

E-poster: Environment and air pollution

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

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

Chairs : George D. Thurston (New York, United States of America), Aneesa Vanker (Cape Town, South Africa)

PA1779 **Bushfire smoke exposure cause impairment to airway muco-ciliary function**
Randy Suryadinata (Parkville, Australia), Paul Martinello, Phil Robinson

PA1780 **Investigation of PM2.5 oxidative potential in the Milan metropolitan area: Impacts of biomass burning emissions**
Constantinos Sioutas (Los Angeles, United States of America), Ehsan Soleimanian, Amirhosein Mousavi, Alessandro Borgini, Cinzia De Marco, Ario A. Ruprecht

PA1781 **Environmental factors and mortality by COVID-19 in Brazil**
Marilyn Urrutia Pereira (Uruguaiana (RS), Brazil), Luciana Rizzo, Nelson Do Rosário, Hector Basellino, Oscar Calderon, Jose Ignacio Larco, Mario Calvo Gil, Dirceu Solé

PA1782 **Comparison of inhalation and oral exposure to the glyphosate herbicide: effects on respiratory system in rats**
Renata C Rossi (Presidente Prudente (SP), Brazil), Débora Cavalheiro Santos, Letícia Cruz Evangelista, Abel Gomes Pinheiro Neto, Debora Tavares Resende Silva, Ana Karina Marques Salge, Gisele Alborghetti Nai, Ana Paula Alves Favareto

PA1783 **Sputum transcriptomic analysis of air pollutant signatures: link to asthma severity and phenotype**
Angelica TIOTIU (Nancy, France), Yusef Badi, Hisham Abubakr-Waziri, Ali Versi, Coen Wiegman, Philip M. Hansbro, Sharon Mumby, Sven-Erik Dahlen, Peter Sterk, Ratko Djukanovic, Ian M. Adcock, Kian Fan Chung

PA1784 **Genome–wide SNP-by air pollution interaction and airflow obstruction development in the Dutch population-based Lifelines cohort**
Dimitra Sifaki-Pistolla (Heraklion, Greece), Judith M. Vonk, Ioanna Tsiligianni, Marike H. Boezen

PA1785 **KIDSCREEN Questionnaires to Identify Respiratory Problems. Exploratory study with 800 people**
Telma de Cassia dos Santos Nery (São Paulo (SP), Brazil), Rafael Futoshi Mizutani, Cleide Lopes, Mario Terra Filho, Rafael Stelmach, Ubiratan Paula Santos

PA1786 **Air pollution exposure and incidence of asthma and allergic rhinitis in a general population sample**
Sofia Tagliaferro (Pisa, Italy), Sara Maio, Sandra Baldacci, Salvatore Fasola, Claudio Gariazzo, Massimo Stafoggia, Stefania La Grutta, Francesco Forastiere, Giovanni Viegi

PA1787 **Influence of residential land cover on hospitalizations: a population-based study**
Sara Maio (Pisa (PI), Italy), Sandra Baldacci, Anna Angino, Sofia Tagliaferro, Isabella Annesi-Maesano, Salvatore Fasola, Stefania La Grutta, Giovanni Viegi

PA1788 **Effects of outdoors and indoors particulate matter 2.5 on COPD: Multicenter prospective observational study**
Jin-Young Huh (, Republic of Korea), Hajeong Kim, Geunjoo Na, Shinhee Park, Seung Won Ra, Sung-Yoon Kang, Ho Cheol Kim, Hwan-Cheol Kim, Sei Won Lee

PA1790 **TRPM8 polymorphisms and peculiarities in seasonal dynamics of asthma control and lung function**
Denis Naumov (Blagoveshchensk (Amur Oblast), Russian Federation), Elizaveta Sheludko, Dina Gassan, Olesya Kotova, Ivana Sugaylo, Yana Gorchakova, Juliy Perelman

PA1791 **Are the lungs of children from polluted Silesia different from the lungs of children from cleaner Pomerania?**
Piotr Dąbrowiecki (Warszawa, Poland), Piotr Dąbrowiecki, Artur Badyda, Łukasz Adamkiewicz, Dominika Mucha, Andrzej Chciałowski

PA1792 **Microplastics inhalation: evidence in human lung tissue**
Luis Fernando Amato-Lourenco (Osasco, Brazil), Regiani Carvalho Oliveira, Gabriel Ribeiro Junior, Luciana Dos Santos Galvao, Romulo Augusto Ando, Thais Mauad

PA1793	**An Evaluation of the Impacts of the Closure of a Coking Operation on Local Residents – An Interrupted Time Series Analysis** Wuyue Yu (New York, United States of America), George Thurston
PA1794	**LSC - 2021 - COL4A3 expression in asthmatic epithelium depends on intronic methylation and ZNF263 binding** Sai Sneha Priya Nemani (Lübeck, Germany), Cornelis Joseph Vermeulen (vermeulen.corneel@gmail.com / University Medical Center Groningen, Pulmonary Diseases Hanzeplein 1 Groningen, Groningen , NL NL-9700 RB,Groningen), Martin Pech (pech.martin@web.de / Children´s Hospital, University of Luebeck, Pediatric Pulmonology Luebeck, Schleswig-Holstein , DE,Lübeck) , Alen Faiz (Alen.Faiz@uts.edu.au / University of Groningen, University Medical Center Groningen, Department of Pulmonary Diseases, GRIAC (Groningen Research Institute for Asthma and COPD) Groningen, Groningen , NL,Groningen) , Brian George G. Oliver (brian.oliver@uts.edu.au / University of technology sydney, NSW , AUS 2000,New South Wales), Maarten Van Den Berge (m.van.den.berge@umcg.nl / University medical center Groningen, Pulmonary Diseases Hanzeplein 1 Groningen, Groningen , NL 9713GZ,Groningen), Janette Kay Burgess (j.k.burgess@umcg.nl / University Medical Center Groningen, Pathology and Medical Biology Hanzeplein 1 Groningen, Groningen , NL 9713 GZ,Groningen), Matthias Kopp (matthias.kopp@uksh.de / Children´s Hospital, University of Luebeck, Pediatric Pulmonology Luebeck, Schleswig-Holstein , DE,Lübeck) , Markus Weckmann (markus.weckmann@uksh.de / Children´s Hospital, University of Luebeck, Pediatric Pulmonology Luebeck, Schleswig-Holstein , DE,Lübeck)
PA1795	**LSC - 2021 - Ambient PM2.5 Exposure and Respiratory Disease Hospitalization in Kandy, Sri Lanka.** Gayan Bowatte (Reservoir, Australia), Sajith Priyankara (tmspriyankara@gmail.com / National Institute of Fundamental Studies,Kandy), Duminda Yasaratne (yasaratne@yahoo.com / University of Peradeniya,Kandy), Rohan Jayaratne (r.jayaratne@qut.edu.au / Queensland University of Technology,Brisbane), Mahesh Senarathne (smdmaheshchamika@gmail.com / National Institute of Fundamental Studies,Kandy), Sachith Abeysundara (sachith.me@gmail.com / University of Peradeniya,Kandy), Rohan Weerasooriya (rohan.we@nifs.ac.lk / National Institute of Fundamental Studies,Kandy), Lidia Morawska (l.morawska@qut.edu.au / Queensland University of Technology,Brisbane), Luke Knibbs (l.knibbs@uq.edu.au / The Queensland University,Brisbane), Dushantha Madegedara (dmadegedara@yahoo.com / National Hospital, Kandy,Kandy) , Shyamali Dharmage (s.dharmage@unimelb.edu.au / The University of Melbourne,Melbourne)
PA1796	**Respiratory patients awareness of the risks for health posed by air pollution** Ignasi Garcia Olivé (Badalona, Spain), Toni Zapata, Adela Gonzalez, Marina Compte, Alan Jhunior Solis, Magali Arago, Susana Diaz, Pilar Aluja, Laura Pujol, Jorge Abad, Antoni Rosell
PA1797	**Effects of traffic-related air pollution on airway epithelial transcriptome in older adults with and without COPD: a controlled human exposure study** Min Hyung Ryu (Vancouver (BC), Canada), Shijia Li, Ryan Donald Huff, Chris Carlsten
PA1798	**Late Breaking Abstract - Ambient air pollution and respiratory health in sub-Saharan African children: a cross -sectional analysis** Yutong Cai (London, United Kingdom), Harry Gibson, Kazem Rahimi

Pre-congress content Session 231 13:15 - 14:15

E-poster: Innovations in nurse-led interventions in respiratory diseases

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases Thoracic oncology Pulmonary vascular diseases

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

Chairs : Marco Clari (TORINO, Italy), Maria Granados Santiago (Alcaudete, Spain)

PA1799	**The impact of an admission avoidance rapid response respiratory car in collaboration with the Northwest Ambulance Service** Emma Rickards (St Helens (Merseyside), United Kingdom), Lisa Ascough, Sarah Sibley, Onnor Hampson, Elaine Gossage
PA1800	**Is an informative application a suitable tool for patients in a diagnostic lung cancer program?A qualitative study** Helle Marie Christensen (Tommerup, Denmark), Stephanie Paag Svane, Hanne Madsen
PA1801	**Title: Eligible COPD patients and access to pulmonary rehabilitation in a Portuguese region** Liliana Celeste Faria Silva Ribeiro (São Mamede de Infesta, Portugal), Joana Faia, Patrício Costa, Lara Lemos, Ângela Mota, Mariana Santos, Miguel Padilha
PA1802	**Health-psychologic features and health-related quality of life in persons with severe asthma** Lina Rönnebjerg (Höviksnäs, Sweden), Malin Axelsson, Hannu Kankaanranta, Bo Lundbäck, Linda Ekerljung

PA1803	**Patient perspective of participation in COVID-19 clinical trials** Karolina Krassowska (Headington, United Kingdom), Christine Mwasuku, Sanjay Ramakrishnan, Beverly Langford, Helen Jeffers, Mahdi Mahdi, Richard Russell, Mona Bafadhel
PA1804	**Limitation of daily activities as predictors of caregiver burden of severe COPD patients** Maria Granados Santiago (Alcaudete, Spain), Alejandro Heredia Ciuró, Laura López López , Andrés Calvache Mateo, Natalia Muñoz Vigueras, Marie Carmen Valenza
PA1805	**Rethinking COPD Exacerbations: a global patient perspective** Chris Mwasuku (Oxford, United Kingdom), Karolina Krassowska, Courtney Coleman, Pippa Powell, Mona Bafadhel
PA1806	**Use of Clinical Nurse Specialists in the Management of Incidental Pulmonary Nodules** Marcus Anthony Pittman (Basildon (Essex), United Kingdom), Samantha Bloxham, Hannah Storey, Janet Kohn, Ousman Jallow, Alice Ncube, Joanne Peacock
PA1807	**A training needs analysis of UK respiratory nurses' research capability and capacity.** Emma Ray (Romsey, United Kingdom), Carol Kelly, David Culliford, Lindsay Welch
PA1808	**The role of nurses in the home management of pulmonary arterial hypertension. A literature review** Sara Campagna (Torino, Italy), Alessio Conti, Walter Grosso Marra, Valerio Dimonte, Marco Clari

Pre-congress content Session 232 13:15 - 14:15

E-poster: Physical activity, exercise training and (tele)rehabilitation in respiratory patients

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

Method(s) : Pulmonary rehabilitation | General respiratory patient care | Epidemiology | Transplantation | Respiratory intensive care | Pulmonary function testing

Tag(s) : COVID, Digital health

Chairs : Carlos Augusto Marcal Camillo (Londrina (PR), Brazil), Ana Oliveira (Hamilton, Canada)

PA1809	**Exacerbations and changes in physical activity and sedentary behaviour in patients with bronchiectasis after 1 year** Victoria Alcaraz Serrano (Barcelona, Spain), Ane Arbillaga, Patricia Oscanoa, Laia Fernández, Leticia Bueno, Rosanel Amaro, Elena Gimeno, Antoni Torres
PA1810	**Physical activity and mortality risk in people with interstitial lung disease: a systematic review and meta-analysis** Vânia Rocha (Aveiro, Portugal), Cátia Paixão, Alda Marques
PA1811	**Patients with COPD have more self-efficacy for physical activity than other patients with chronic lung diseases** Sofie Breuls (Leuven, Belgium), Astrid Blondeel, Marieke Wuyts, Lies Glorie, Thessa Verniest, Nikolaas De Maeyer, Robin Vos, Wim Janssens, Wim Wuyts, Thierry Troosters, Heleen Demeyer
PA1812	**Comparison of physical activity patterns among three major chronic respiratory diseases – Preliminary Results** Leandro Mantoani (Londrina, Brazil), Carlos Augusto Camillo, Joice Mara De Oliveira, Cláudia Polastri, Cassiana Cruz, Lorena Paltanin Schneider, Camile Ludovico Zamboti, Karina Couto Furlanetto, Fabio Pitta
PA1813	**Unsupervised physical activity interventions for people with COPD: a systematic review** Cátia Paixão (Guarda, Portugal), Vânia Rocha, Dina Brooks, Alda Marques
PA1814	**Validity of the International Physical Activity Questionnaire in adults with asthma** Joice Mara Oliveira (Londrina, Brazil), Thamyres Spositon, Diery Fernandes Rugila, Natielly Soares Correia, Luiz Daniel Barizon, Natalia Yukie Vicentin Toda, Natalia Neves Moreira, Fabio Pitta, Karina Couto Furlanetto
PA1815	**Physical activity level in patients with bronchiectasis: a systematic review of determinants and outcome measures** Cigdem Emirza (İstanbul, Turkey), Pelin Tiryaki, Begüm Kara Kaya, Elçin Akyurek, Goksen Kuran Aslan
PA1816	**Motivation and physical activity in COPD: an exploratory study** Joana Cruz (Leiria, Portugal), Sara Pimenta, Sofia Flora, Cândida G. Silva, Ana Oliveira, Nuno Morais, José Ribeiro, Fernando Silva, Rúben Caceiro, Bruno P. Carreira, Filipa Januário, Lília Andrade, Fátima Rodrigues, Dina Brooks, Chris Burtin, Alda Marques
PA1817	**Physical activity during and after a severe acute exacerbation of COPD** Kirsten Quadflieg (Maasmechelen, Belgium), Ana Machado, Fabiano De Lima, Marc Daenen, David Ruttens, Michiel Thomeer, Martijn Spruit, Chris Burtin

PA1818 **Effects of Telerehabilitation on Peripheral Muscle Function in Pediatric Cystic Fibrosis Patients During Covid-19 Pandemic**
Naciye Vardar Yağlı (Ankara, Turkey), Kübra Kılıç, Dilber Ademhan-Tural, Birce Sunman, Beste Ozsezen, Deniz Dogru, Melda Saglam, Ebru Calik-Kutukcu, Deniz Inal-Ince, Nagehan Emiralioglu, Ebru Yalcin, Ugur Ozcelik, Nural Kiper

PA1819 **Clinical effectiveness of Tele-Pulmonary rehabilitation: a comparative study to face to face pulmonary rehabilitation.**
Kola Akinlabi (London, United Kingdom), Ken Johnston, Binny Patel, Bunmi Adebajo, Radoslav Trojak, Akshita Patel, Gavin Sandercock

PA1820 **Video based telerehabilitation: patient acceptability and experience in chronic respiratory disease**
Ken Johnston (London, United Kingdom), Binny Patel, Akshita Patel, Radoslav Trojak, Bunmi Adebajo, Kola Akinlabi

PA1821 **The effects of neuromuscular electrical stimulation on muscle strength, functional capacity, and quality of life among older patients with asthma**
Elif Develi (istanbul, Turkey), Rasmi Muammer, Yasar Kucukardali

PA1822 **Effects of combined aerobic and resistance physical training on pulmonary and respiratory muscle function in diabetics with overweight and obesity**
Eli Forti (Capivari, Brazil), Tamires Alessa De Mori, Ivan Luiz Padilha Bonfante, Renata G. Duft, Mara Patrícia Chacon-Mikahil, Claudia Regina Cavaglieri

PA1823 **Rapid Access Rehabilitation after exacerbations of COPD – A qualitative study**
Ana Oliveira (Hamilton, Canada), Shirley Quach, Sanaa Alsubheen, Dina Brooks, Jan Walker, Roger Goldstein

PA1824 **Outcomes and measures of pulmonary rehabilitation in patients with COPD: a systematic review**
Sara Souto-Miranda (Aveiro, Portugal), Guilherme Rodrigues, Martijn Spruit, Alda Marques

PA1825 **Responses to Two Different High-Intensity Interval Exercise Training Protocols on Pulmonary Function and Respiratory Muscle Strength In Diabetes Mellitus**
Cemile Bozdemir Ozel (Eskisehir, Turkey), Hulya Arikan, Ebru Calik Kutukcu, Beyza Nur Karaduz, Deniz Inal Ince, Giray Kabakci, Selcuk Dagdelen

PA1826 **Barriers and challenges to deliver pulmonary rehabilitation among physiotherapist: results of a first national survey in Lebanon**
Rebecca Farah (Bruxelles, Belgium), Wim Groot, Milena Pavlova

PA1827 **HYPERCAPNIA AND FUNCTIONAL IMPROVEMENTS DURING PULMONARY REHABILITATION.**
Camilo Corbellini (Rivoli (TO), Italy), Saverio Tavella, Elisa Gugliotta, Stefano Zampese, Eleuterio A. Sanchez Romero, Jorge Villafane

Pre-congress content Session 233 13:15 - 14:15

E-poster: Treatments for airway diseases

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases

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

Chairs : Chin Kook Rhee (Seoul, Republic of Korea), Carolina Maria Gotera Rivera (Madrid, Spain)

PA1828 **Cross-sectional study on therapeutic adherence and disease knowledge of patients affected by chronic obstructive pulmonary disease.**
Janos Tamas Varga (Budapest, Hungary), Monika Fekete, Vince Fazekas-Pongor, Gergo Szollosi, Maria Kerti

PA1829 **Sugar coating hypoxia – Metformin risks?**
David Barber (Warrington , United Kingdom), Claire Barber, Dennis Wat, Nikki Glover

PA1830 **Influence of government-driven quality assessment program on patients with chronic obstructive pulmonary disease**
Hye Jung Park (Seoul, Republic of Korea), Sung-Ryeol Kim, Sinae Kim, Hye Sun Lee, Bo Yeon Kim, Hye Kyoung Kim, Sang In Ahn, Ji Hyeon Shin, Jae-Hyun Lee, Jung-Won Park

PA1831 **Effect of physical position on peak inspiratory flow in stable COPD**
Michael B. Drummond (Chapel Hill, United States of America), Ashley G. Henderson, Asif Shaikh, Valentina Bayer, Roy A. Pleasants

PA1832 **Endobronchial valve lung volume reduction and small airways function**
Justin Leo Garner (Brentwood (Essex), United Kingdom), Martyn F Biddiscombe, Sally Meah, Adam Lewis, Sara C Buttery, Nick S Hopkinson, Samuel V Kemp, Omar S Usmani, Pallav L Shah, Sylvia Verbanck

PA1833 **Long-term effect of alpha-1-antitrypsin augmentation therapy on the decline of FEV1 in deficient patients**
Iris G. M. Schouten (Leiden (ZH), Netherlands), Marise J. Kasteleyn, Robert Bals, Alice M. Turner, Ilaria Ferrarotti, Angelo G. Corsico, Beatriz Lara Gallego, Marc Miravitlles, Robert A. Stockley, Jan Stolk

PA1834 **Baseline characteristics of patients enrolled in the EARCO prospective registry of alpha-1 antitrypsin deficiency: preliminary results.**
Alice Turner (Birmingham (West Midlands), United Kingdom), Maria Torres, José Luis López-Campos, Catarina Guimaraes, Joana Chorostowska-Wynimko , Robert Bals, Ilaria Ferrarotti, Gerard Mcelvaney, Karen O'Hara, Jan Stolk, Robert Stockley, Marion Wilkens, Christian Clarenbach, Timm Greulich, Marc Miravitlles

PA1835 **Impact of COVID-19 on treatments' dispensations for chronic airways diseases in France**
Arnaud Bourdin (Montpellier Cedex 5, France), Milka Maravic, Lucas Perray, Nicolas Roche

PA1836 **Treatment with inhaled corticosteroids in COPD groups GOLD A and B –relationship to clinical state in the COSYCONET cohort**
Kathrin Kahnert (München, Germany), Rudolf Jörres, Franziska Trudzinski, Peter Alter, Christina Kellerer, Henrik Watz, Tobias Welte, Robert Bals, Diego Kauffmann-Guerrero, Jürgen Behr, Rolf Holle, Claus Vogelmeier, Johanna Lutter

PA1837 **Efficacy perception and prescription of treatments for refractory/unexplained chronic cough by Spanish physicians**
Luis Puente Maestu (Madrid, Spain), Jesús Molina-París , Juan A. Trigueros, J. Tomás Gómez-Sáenz , Sabela Fernandez, Marta Sánchez-Jareño , Luis Cea-Calvo, Javier Domínguez-Ortega

PA1838 **Association between COPD exacerbations and acute cardiovascular events: a systematic literature review**
Hana Müllerová (Ickenham, United Kingdom), Jonathan Marshall, Enrico De Nigris, Precil Varghese, Nick Pooley, Nina Embleton, Zoe Marjenberg

PA1839 **Effect of nocturnal oxygen therapy on daytime pulmonary hemodynamics in patients with COPD travelling to altitude. RCT.**
Stéphanie Saxer (Zürich, Switzerland), Mona Lichtblau, Tsogyal Latshang, Sayaka Aeschbacher, Fabienne Huber, Philipp Schweiwiller, Stefanie Ulrich, Simon Schneider, Elisabeth Hasler, Michael Furian, Konrad Bloch, Silvia Ulrich

PA1840 **Superior laryngeal nerve block in chronic refractory cough**
Caroline Wright (South Cave, United Kingdom), Caroline Wright, Kayleigh Brindle, Rachel Thompson, Alyn Morice

Pre-congress content Session 234 13:15 - 14:15

E-poster: Lung function testing in the management of obstructive diseases

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases

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

Chairs : Manlio Milanese (Pietra ligure (SV), Italy), Eric Derom (Ghent, Belgium)

PA1841 **Analysis of spontaneous breathing can predict abnormal lung function in asthma**
Fabien Beaufils (Bordeaux, France), Pierre-Olivier Girodet, Christophe Pison, Patrick Hanusse, Julie Joie, Thomas Similowski, Pierantonio Laveneziana, Roger Marthan, Patrick Berger

PA1842 **Active asthma and longer disease duration associated with more hyperinflation and increased diffusion capacity – TRAIL Cohort**
Oliver Djurhuus Tupper (Søborg, Denmark), Conrad Uldall Becker Schultz, Charlotte Suppli Ulrik

PA1843 **Airway hyperresponsiveness in adult patients with and without allergies**
Gunta Strazda (Riga, Latvia), Normunds Jurka, Olga Madaja, Immanuels Taivans

PA1844 **The Frequency of Small Airway Dysfunction and Its Relationship with Disease Control in Chronic Airway Diseases**
Demet Polat Yuluğ (Mersin, Turkey), Sibel Atış Naycı, Bahar Taşdelen, Eylem Sercan Ozgur, Cengiz Ozge

PA1845 **Comparison of two forced oscillation devices in adults with respiratory disorders**
M.R.C. Crutsen (Wittem, Netherlands), J.J.A. Baars, L.H. Conemans, S.O. Simons

PA1846 **The effect of diurnal variation in exercise-induced bronchoconstriction**
Andrew Rowe (Goatstown, Ireland), Nicholas Mahony, Neil Fleming

PA1847 **Association between seasonal patterns of the airway response to humid air and dynamics of lung function and disease control in asthma patients**
Denis Naumov (Blagoveshchensk (Amur Oblast), Russian Federation), Evgenia Y. Afanaseva, Olesya O. Kotova, Dina A. Gassan, Elizaveta G. Sheludko, Anna G. Prikhodko

PA1848	**Relationship between respiratory exchange ratio and pulmonary function in patients with obstructive lung disease** Jang Woo Lee (Goyang-si, Republic of Korea), So Myoung Jeon, Seong-Woong Kang, Yewon Lee
PA1849	**Salbutamol or ipratropium bromide: does gender and age influence the response to drugs?** Liliana Raposo (Queijas, Portugal), Raquel Barros, Ana Sofia Oliveira, Cristina Bárbara
PA1850	**Improving the appropriate use of Mannitol challenge testing in a large teaching hospital.** Jessica Bradley (Leeds, United Kingdom), Lauren Lear, Tim Sutherland
PA1851	**Asthma and peripheral airway obstruction** Raquel Barros (Lisboa, Portugal), Ana Sofia Oliveira, Cristina Bárbara
PA1852	**Use of Lung Clearance Index (LCI) to distinguish asthmatics within a symptomatic population.** Laura Healy (Manchester, United Kingdom), Clare Murray, Angela Simpson, Stephen Fowler, Sarah Drake, Ran Wang, Lisa Willmore, Joanne Sale, Rhys Tudge, Gina Kerry, Lesley Lowe, Alex Horsley
PA1853	**Bronchodilator responsiveness over time in SPIROMICS: Clinical characteristics** Christopher B. Cooper (Los Angeles, United States of America), Spiros Fortis, David Couper, Miguel Quibrera, Mehrdad Arjomandi, Igor Barjaktarevic, Graham Barr, Surya Bhatt, Russell Bowler, Jeffrey Curtis, Mark Dransfield, Brad Drummond, Meilan Han, Nadia Hansel, Annette Hastie, Eric Hoffman, Richard Kanner, Victor Kim, Jerry Krishnan, Stephen Lazarus, Fernando Martinez, Victor Ortega, Robert Paine, Stephen Peters, Stephen Rennard, Donald Tashkin, Prescott Woodruff, Wayne Anderson
PA1854	**Prevalence of pre-operative airflow obstruction in high risk patients without prior COPD diagnosis** Tom Chambers (London, United Kingdom), William Ricketts , Richa Singh, Mevan Gooneratne
PA1855	**Changes in FEV1 and SpO2 in patients with severe and very severe COPD** Anne Hildur Henriksen (Trondheim, Norway), Anine Rabe, Maria Bjoerstad Ringset
PA1856	**Prediction of lung emphysema in COPD by spirometry and clinical symptoms: results from COSYCONET** Kathrin Kahnert (München, Germany), Rudolf Jörres, Antonius Schneider, Peter Alter, Hans-Ulrich Kauczor, Bertram Jobst, Jürgen Biederer, Robert Bals, Henrik Watz, Jürgen Behr, Diego Kauffmann-Guerrero, Johanna Lutter, Alexander Hapfelmeier, Helgo Magnussen, Franziska Trudzinski, Tobias Welte, Claus Vogelmeier, Christina Kellerer
PA1857	**Duration and frequency of spirometry needed to accurately reflect longitudinal change of FEV1 in COPD** Jared Wilkinson (Los Angeles, United States of America), Igor Barjaktarevic, Holly Wilhalme, Christopher Cooper, Donald Tashkin
PA1858	**Classification of lung function trajectories in SPIROMICS** Wayne Anderson (Chapel Hill, United States of America), Miguel Quibrera, David Couper, Mehrdada Arjomandi, Igor Barjaktarevic, Graham Barr, Surya Bhatt, Mark Dransfield, Bradley Drummond, Meilan Han, Nadia Hansel, Annette Hastie, Eric Hoffman, Richard Kanner, Victor Kim, Stephen Lazarus, Victor Ortega, Robert Paine, Stephen Rennard, Donald Tashkin, Prescott Woodruff, Christopher Cooper
PA1859	**Improved spirometric index to discriminate the severity of centrilobular emphysema** Takafumi Shimada (Tsukuba, Japan), Hiroaki Iijima, Yusuke Shiraishi, Fumi Mochizuki, Takashi Naito, Hiroshi Shima, Kunihiko Terada, Susumu Sato, Shigeo Muro, Toyohiro Hirai, Nobuyuki Hizawa, Naoya Tanabe
PA1860	**Posture-induced changes in vital capacity are associated with COPD outcomes independent of airflow obstruction in SPIROMICS** Mehrdad Arjomandi (San Francisco, United States of America), Jianhong Chen, Igor Barjaktarevic, R Graham Barr, Eugene R Bleecker, Russell P Bowler, Russell G Buhr, Alejandro P Comellas, David J Couper, Jeffrey L Curtis, Mark T Dransfield, M Bradly Drummond, Spyridon Fortis, Meilan K Han, Nadia N Hansel, Eric A Hoffman, Richard E Kanner, Jerry A Krishnan, Wassim Labaki, Stephen C Lazarus, Fernando J Martinez, Victor E Ortega, Robert Paine, Stephen P Peters, Joyce Schroeder, Stephen I Rennard, Prescott G Woodruff, Donald Tashkin, Christopher B Cooper

Pre-congress content Session 235 13:15 - 14:15

E-poster: Pulmonary neoplasia and related pathologies

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

Method(s) : Imaging | Epidemiology | Pulmonary function testing | Endoscopy and interventional pulmonology | General respiratory patient care

Chairs : Anand Devaraj (London, United Kingdom), Tiziana Patrizia Cremona (Bern, Switzerland)

PA1861	**Detection of Overlooked Pulmonary Metastases in Serial CT Scans through Deep Learning-based Tracking of Longitudinal Changes** Junghoon Kim (Seongnam-si, Gyeonggi-do, Republic of Korea), Dong Yul Oh, Kyong Joon Lee
PA1862	**Radiology quality assurance in a lung cancer screening trial** Claire Bradley (letterkenny, Ireland), Martyn Kennedy, Michael Darby, Philip A J Crosbie, Rhian Gabe, Matthew E J Callister
PA1863	**Comparative analysis of the detecting nodule or mass in the lungs on the chest X-ray by the doctor and the automatic digital X-ray analysis program>** Uliana Smolnikova (Saint Petersburg, Russian Federation), Pavel Gavrilov
PA1864	**Emphysema as a 'radiomic-biomarker' using low-dose computed tomography scans in high-risk smokers in an Australian cohort** Samantha Ennis (Sydney, Australia), Emily Stone, Elizabeth Silverstone, Brad Milner, Henry Marshall, Kwun Fong, Katrina Tonga
PA1865	**Emphysema subtypes and Preserved Ratio Impaired Spirometry in smokers** YUSUKE SHIRAISHI (Kyoto city, Japan), Naoya Tanabe, Takafumi Shimada, Kunihiko Terada, Hiroshi Shima, Fumi Mochizuki, Hiroaki Iijima, Motonari Fukui, Susumu Sato, Toyohiro Hirai
PA1866	**EARLY DIAGNOSIS OF LUNG VENTILATION EVENNESS DISORDERS USING NONINVASIVE IMAGING** Vyacheslav Kobylyansky (Moscow, Russian Federation), Aleksandra Horosheva, Kristina Solodovnikova
PA1867	**A value of ultrasonographic predictors of malignancy in left adrenal gland in lung cancer patients – a comparison of EUS-b, CT and PET-CT** Maciej Gnass (Myślenice, Poland), Stanisław Orzechowski, Damian Czyżewski, Jacek Wojtacha, Juliusz Pankowski, Wojciech Zajęcki, Adam Ćmiel, Marcin Zieliński, Artur Szlubowski
PA1868	**Application of technetium-99m-technetril in differentiation of active from inactive pulmonary tuberculosis using a single photon emission computed tomography method in children.** Stanislav Mikhaylov (Moscow, Russian Federation), Stanislav Mikhaylov, Andrey Perfiliev, Natala Yukhimenko, Natalia Karpina, Rasul Amansakhedov, Atadzhan Ergeshov, Larisa Rusakova
PA1869	**Correlation between histological yield of intrathoracic nodal EBUS biopsy and SUVmax in 18F-FDG PET scan** Shahbaz Nazir (Cottingham, United Kingdom), Samiha Naureen, Sega Pathmanathan
PA1870	**PD-L1 expression correlation with metabolic parameters of 18F FDG PET/CT in nonsmall cell lung cancer>** Aysu Sinem Koç (Izmir, Turkey), Elife Akgün, Reşit Akyel, Barış Demirkol, Kürşad Nuri Baydili, Pınar Akın Kabalak, Özlem Özmen, Şebnem Batur, Ayşin Büge Öz, Ülkü Yılmaz, Funda Demirağ, Nalan Akyürek, Erdoğan Çetinkaya
PA1871	**Automated volumetric quantification of lung emphysema: the effect of bronchiectasis and infectious lung destruction.** Nadezda Griva (Saint-Petersburg, Russian Federation), Pavel Gavrilov
PA1872	**A comparison of 129Xe MRI and advanced lung function testing in patients with asthma and /or COPD: The NOVELTY ADPro substudy** Helen Marshall (Sheffield (South Yorkshire), United Kingdom), Laurie Smith, Alberto Biancardi, Guilhem Collier, Ho-Fung Chan, Paul Hughes, Joshua Astley, Ryan Munro, Smitha Rajaram, Dave Capener, Jody Bray, Ian Smith, Leanne Armstrong, Latife Hardaker, Titti Fihn-Wikander, Rod Hughes, Jim Wild
PA1873	**COPD and Asthma Differentiation using Quantitative CT Biomarkers by Hybrid Feature Selection and Machine Learning** Amir Moslemi (Toronto, Canada), Konstantina Kontogianni, Miranda Kirby, Judith Brock, Franziska Trudzinski, Felix Jf Herth
PA1874	**Airway tree caliber across the adult lifespan** Motahareh Vameghestahbanati (Montreal, Canada), Eric Hoffman, Miranda Kirby, Jessica Sieren, Norrina Allen, Alain Bertoni, Christopher Cooper, David Jacobs, Qutayba Hamid, Meilan Han, Nadia Hansel, James Hogg, Dennis Jensen, Richard Kanner, Erin Michos, Elizabeth Oelsner, Coralynn Sack, Karol Watson, David Couper, Andrea Benedetti, Prescott Woodruff, Jean Bourbeau, Wan Tan, R. Graham Barr, Benjamin Smith
PA1875	**Airway tree caliber heterogeneity and airflow obstruction** Motahareh Vameghestahbanati (Montreal, Canada), Leina Kingdom, Matthew Anacleto-Dabarno, Eric Hoffman, Miranda Kirby, Norrina Allen, Elsa Angelini, Alain Bertoni, Qutayba Hamid, James Hogg, David Jacobs, Andrew Laine, Francois Maltais, Erin Michos, Coralynn Sack, Don Sin, Karol Watson, Artur Wysoczanksi, Wan Tan, Jean Bourbeau, R. Graham Barr, Benjamin Smith
PA1876	**3D image analysis of the alveolar shape in human lungs** Alex Michael Reimelt (Hannover, Germany), Dragoş M. Vasilescu, Richard Beare, Lars Knudsen, Roman Grothausmann

Pre-congress content Session 236 13:15 - 14:15

E-poster: Fungi, viruses, parasites and the immunocompromised

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Respiratory critical care

Method(s) : General respiratory patient care Public health Endoscopy and interventional pulmonology Cell and molecular biology Surgery Transplantation Respiratory intensive care Imaging Epidemiology

Chairs : Sanjay Haresh Chotirmall (Singapore, Singapore), Anand Shah (London, United Kingdom)

PA1877	**The clinical significance of Aspergillus-positive respiratory samples** Katriina Pihlajamaa (HUS (Helsinki), Finland), Veli-Jukka Anttila, Ulla Hodgson
PA1878	**Prognostic Factors for Mortality in Chronic Pulmonary Aspergillosis -Experience in Japan-** Hitomi Hirano (Ibaraki, Japan), Kenji Nemoto, Kai Kawashima, Hisayuki Oshima, Yuki Yabuuchi, Takafumi Shimada, Yuka Kitaoka, Naoki Arai, Kentaro Hyodo, Atsuhito Nakazawa, Jun Kanazawa, Yukiko Miura, Shuji Oh-Isi, Kenji Hayashihara, Takefumi Saito
PA1879	**Healthcare utilisation and impact of antifungal stewardships within respiratory care settings: a systematic literature review** Salma Aldossary (Riyadh, Saudi Arabia), Anand Shah
PA1880	**Mini-bronchoalveolar lavage for diagnosing COVID-19 associated invasive pulmonary aspergillosis.** Manon Vanbellinghen (Amsterdam (NH), Netherlands), Burak Atasever, Hans Van Der Spoel , Catherine Bouman, Karin Van Dijk , Josje Altenburg
PA1881	**Surgical management of massive hemoptysis secondary to lung hydatidosis: tips and tricks** Zied Chaari (Sfax, Tunisia), Abdessalem Hentati, Aymen Ben Ayed, Walid Abid, Imed Frikha
PA1882	**Invasive fungal infections in acute leukemia patients.** Asli Öncel (Ankara, Turkey), Yahya Buyukasik, Omrum Uzun, Ahmet Ugur Demir, Lutfi Coplu
PA1883	**Utility of bronchoscopy in hematopoietic stem cell transplant (HSCT) patients with pulmonary infiltrates: A prospective study.** Mohammed Alhajji (Riyadh, Saudi Arabia), Abdallah Mobeireek, Mohammed Al Hajji, Ihab Weheba, Saud Alsaleh, Walid Rasheed, Liju Ahmed
PA1884	**Surveillance for invasive pulmonary aspergillosis in critically ill patients with COVID-19** Berrin Er (Ankara, Turkey), Ahmet Gorkem Er, Dolunay Gulmez Kivanc, Taha Koray Sahin, Burcin Halacli, Gamze Durhan, Ebru Ortac Ersoy, Gulsen Hazirolan, Alpaslan Alp, Gokhan Metan, Zeynep Saribas, Sevtap Arikan-Akdagli, Seda Banu Akinci, Macit Ariyurek, Arzu Topeli, Omrum Uzun
PA1885	**To study the utility of Respiratory Biofire in the management of adults with acute respiratory infections** Lancelot Pinto (Mumbai (Maharashtra), India), Lancelot Pinto, Viral Nanda, Camilla Rodriques
PA1886	**Pulmonary infections in renal transplant recipients from tertiary care hospital, SIUT Pakistan** Muhammad Jawwad Nazmi (Karachi, Pakistan), Fakhir Haidri, Sohail Akhtar, Sunil Dodani, Ali Nadeem, Sobia Arbab, Isra Iftikhar, Jawwad Shah, Tahir Aziz, Adib Rizvi
PA1887	**Surgical management of lung hydatid cysts ruptured to the pleura** Imen Bouassida (Ariana , Tunisia), mariem hadj dahmane, Bechir Ben Radhia, Amina Abdelkbir, Sarra Maazaoui, Mouna Mlika, Hazem Zribi, Sarra Zairi, Adel Marghli
PA1888	**Clinical and radiological features of secondary pleural hydatidosis** Ahmed Dhia EL-EUCH (Sfax, Tunisia), Med lemine Sidi Oumar, Moussa Nedia, Gargouri Rahma, Kallel Nesrine, Kotti Amina, Bahlou Najla, Feki Walid, Msaed Sameh, Yangui Ilhem, Hajer Ayedi, Wajdi Ketata, Kammoun Samy
PA1889	**Lung and HIV** Rajae Cherkaoui (CASABLANCA, Morocco), Hajar Arfaoui, Hasna Jabri, Wiam Elkhattabi, Hicham Afif
PA1890	**Clinical characteristic differences between pulmonary melioidosis and pulmonary tuberculosis with cavitary lesion** Ho Lam Nguyen (Hồ Chí Minh, Vietnam), Huyen Duong-Thanh, Hoa Le, Nhat-Thinh Le-Phu
PA1891	**Estrogen deficiency and its manifestations in pregnant women with exacerbation of chronic simple bronchitis of cytomegalovirus etiology** Igor N. Gorikov (Blagoveshchensk (Amur Oblast), Russian Federation), Irina A. Andrievskaya , Natalia A. Ishutina , Inna V. Dovzhikova, Ksenia K. Petrova , Nikolay G. Prikhodko , Valentina I. Pavlenko , Victor P. Kolosov

PA1892 **Proinflammatory cytokines in the blood of pregnant women with different courses of chronic simple bronchitis of cytomegalovirus etiology**
Igor N. Gorikov (Blagoveshchensk (Amur Oblast), Russian Federation), Irina A. Andrievskaya, Natalia A. Ishutina, Inna V. Dovzhikova, Nikolay N. Dorofienko, Nikolay G. Prikhodko, Valentina I. Pavlenko

PA1893 **Evaluation of two prognostic scoring systems for respiratory syncytial virus infection in a French multicentre cohort of allogeneic hematopoietic stem cell transplant recipients**
Anne-Laure Houist (Paris, France), Louise Bondeelle, Stephane Cassonnet, Maud Salmona, Jérôme Le Goff, Regis Peffault De Latour, Frederic Rivière, Charles Soler, Véronique Houdouin, Jean-Hugues Dalle, Christine Robin, Slim Fourati, Franck Griscelli, Tereza Coman, Sylvie Chevret, Anne Bergeron

PA1894 **CRAX index for prediction of morbidity among hospitalized patients with Influenza (A) H1N1 infection**
M. D. Varunn (Gobichettipalayam (Tamil Nadu), India), R Karthikeyan, K Anupama Murthy, S Sharanya Shree

PA1895 **Impact of the revised EORTC/MSGERC 2020 criteria upon prognosis in patients with hematologic malignancies undergoing bronchoscopy**
Nilüfer Aylin Acet Öztürk (Bursa, Turkey), Nilüfer Aylin Acet Öztürk, Dilara Ömer Topçu, Kübra Vurat Acer, Özge Aydın Güçlü, Ibrahim Ethem Pınar, Ezgi Demirdöğen, Aslı Görek Dilektaşlı, Esra Kazak, Vildan Özkocaman, Ahmet Ursavas, Halis Akalın, Fahir Özkalemtaş, Beyza Ener, Rıdvan Ali

Pre-congress content Session 237 13:15 - 14:15

E-poster: Occupational rhinitis and asthma

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Disease(s) : Airway diseases

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

Tag(s) : Digital health

Chairs : Joaquin Sastre Dominguez (Tres Cantos (Madrid), Spain), Orianne Dumas (Villejuif, France)

PA1896 **A qualitative study of the barriers facing primary healthcare professionals in identifying occupational asthma**
Gareth Walters (Birmingham (West Midlands), United Kingdom), Christopher Michael Barber

PA1897 **Visible moulds, non-allergic and allergic rhinitis and asthma in adults: the EGEA study**
Laurent Orsi (Paris, France), Marine Savouré, Jean Bousquet, Bénédicte Jacquemin, Valérie Siroux, Marrita S. Jaakkola, Jouni J.K. Jaakkola, Benedicte Leynaert*, Rachel Nadif*

PA1898 **Chrinic rhinosinusitis and occupational exposures**
Jordan Minov (Skopje, North Macedonia), Sasho Stoleski, Dragan Mijakoski, Dragana Bislimovska, Aneta Atanasovska

PA1899 **Occupational asthma in school teachers**
Vicky Moore (Birmingham (West Midlands), United Kingdom), Sherwood Burge, Christopher Huntley, Alastair Robertson, Gareth Walters

PA1900 **Differences in clinical characteristics between irritant-induced and sensitizer-induced occupational asthma**
Jussi Lantto (Helsinki, Finland), Irmeli Lindström, Hille Suojalehto

PA1901 **Quantitative CT adiposity metrics as predictors of reduced expiratory flow in WTC workers and volunteers**
Rafael E. de la Hoz (New York, United States of America), Xiaoyu Liu, John Doucette, Anthony Reeves, Raúl San José Estépar, Yunho Jeon, Juan Celedón

PA1902 **The role of IL 4, 5, 10, 13 and 8 Values in The Early Detection of Occupational Asthma Disease**
Mehmet Fatih Elverisli (Düzce, Turkey), Pınar Yıldız Gülhan, Merve Erçelik, Ibrahim Ethem Şahin, Ege Güleç Balbay, Seyit Çoban, Halil Mehmet Karav, Dilşad Mungan, Peri Meram Arbak

PA1903 **Occupational rhinitis and asthma in bakers: A cross-sectional study in DRCongo**
Joseph PYANA KITENGE (Lubumbashi, Democratic Republic of the Congo), Paul Musa Obadia, Trésor Carsi Kuhangana, Tony Kayembe-Kitenge, Patient Nkulu Banza, Lilian Nsenga Mukanda , Pascal Nawej Tshimwang, Patrick Dmc Katoto, Celestin Banzankulu Lubaba, Abdon Mukalay Wa Mukalay, Benoit Nemery

PA1904 **Occupational Asthma in Office Workers: A Cross-Sectional Study**
Christopher C. Huntley (Bromsgrove, United Kingdom), Vicky C Moore, Alastair S Robertson, Peter S Burge, Gareth I Walters

PA1905	**Stay home; save lives; aid the diagnosis of occupational asthma.** Vicky Moore (Birmingham (West Midlands), United Kingdom), Sherwood Burge, Christopher Huntley, Alastair Robertson, Gareth Walters
PA1906	**A virtual SIC: A new way of diagnosing occupational asthma in the COVID-19 pandemic** Vicky Moore (Birmingham (West Midlands), United Kingdom), Sherwood Burge, Christopher Huntley, Alastair Robertson, Gareth Walters
PA1907	**Occupational exposure as a predictor of asthma exacerbation – a multicenter multivariate logistical analysis.** Stefan Mihaicuta (Timisoara (Timis), Romania), Lucretia Udrescu, Angelica Tiotiu, Valentin Nadasan, Stefan Marian Frent
PA1908	**Diagnostic model for occupational asthma induced by high-molecular-weight agents: A tertiary prevention tool** Eva Suarthana (Montréal (Québec), Canada), Olivier Vandenplas, Mahsa Taghiakbari, Jacques A. Pralong, Paramita Saha-Chaudhuri, Gregory Moullec, Roberto Castano, Hille Suojalehto, Jolanta Walusiak-Skorupa, Xavier Muñoz, Joaquín Sastre, Paul K. Henneberger, André Cartier, Catherine Lemiere
PA1909	**Association between contact with animals during childhood and occupational asthma.** Aissa Sana (Sousse, Tunisia), Sridi Chaima, Maoua Maher , Haouari Walaa, Kacem Imen , Belhaj Noura , Chouchene Asma , Aloui Asma , Brahem Aicha , Kalboussi Houda , El Maalel Olfa , Chatti Souhail , Mrizek Nejib
PA1910	**Phenotypes of occupational asthma defined with induced sputum after specific inhalation challenge** Nicolas Migueres (Strasbourg, France), Olivier Vandenplas, Hille Suojalehto, Jolanta Walusiak-Skorupa, Xavier Munoz, Joaquin Sastre, Rolf Merget, Gianna Moscato, Santiago Quirce, Nicolas Meyer, Julien Godet, Frédéric De Blay
PA1911	**Relationship between overweight, obesity and the severity of nasal obstruction in occupational rhinitis** Aissa Sana (Sousse, Tunisia), Imene kacem, Jihen Rejeb, Maher Maoua, Olfa El Maalel, Aicha Brahem, Houda Kalboussi, Souhail Chatti, Nejib Mrizak
PA1912	**Productivity loss and activity impairment in asthmatic patients** Amira Omrane (5000, Tunisia), Amira Omrane, Imen Touil, Olfa Jelassi, Raja Romdhani, Jalel Ayeb, Yosra Brahim, Soumaya Bouchareb, Jalel Kenani, Lamia Bouzgarrou, Leila Boussoffara
PA1913	**Work-related asthma in healthcare workers, Behavioral Risk Factor Surveillance System, 24 states, 2013–2017** Katelynn Dodd (Morgantown, United States of America), Jacek Mazurek
PA1914	**Endotyping work-related asthma** Hille Suojalehto (Helsinki, Finland), Joseph Ndika, Irmeli Lindström, Liisa Airaksinen, Piia Karisola, Harri Alenius
PA1915	**Late Breaking Abstract - The impact of the reduction of environmental pollution during COVID-19 lockdown on healthy individuals (POLCOV Study)** Miquel de Homdedeu Cortes (Barcelona, Spain), Christian Romero, David Soler, Carlos Gómez, David Espejo, Iñigo Ojanguren, María Jesús Cruz, Xavier Muñoz

Pre-congress content Session 238 13:15 - 14:15

E-poster: Therapy of pulmonary hypertension

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Pulmonary vascular diseases

Method(s) : Physiology General respiratory patient care Pulmonary function testing Imaging Respiratory intensive care Palliative care Epidemiology

Chairs : Sheila Ramjug (Altrincham, United Kingdom), Athénaïs Boucly (Le Kremlin Bicètre, France)

PA1916	**Understanding of palliative care among people affected by Pulmonary Hypertension** Iain Armstrong (, United Kingdom), Iain Armstrong, Shaun Clayton, John Sephton, John Smith, Mary Ferguson
PA1917	**Selexipag real-world experience in patients over 75 yrs with pulmonary arterial hypertension (PAH)** Sean Gaine (Dublin, Ireland), Pilar Escribano, Patricia Biedermann, Audrey Muller, Hong Sun, Stefan Söderberg, Tobias J Lange
PA1918	**Switching from PDE5i to riociguat in patients with PAH: A responder analysis from REPLACE** James R. Klinger (Providence, United States of America), Raymond L. Benza, Sung- A Chang , Hossein-Ardeschir Ghofrani, Marius M. Hoeper, Pavel Jansa, Jaquelina Ota-Arakaki , Stephan Rosenkranz, Gérald Simonneau, Carmine Dario Vizza, Anton Vonk-Noordegraaf, Vallerie Mclaughlin

PA1919	**ELEVATE 2: A multicenter study of rodatristat ethyl in patients with WHO Group 1 pulmonary arterial hypertension (PAH)** Howard M. Lazarus (Portland, United States of America), Jill Denning, Watiri Kamau-Kelley, Stephen Wring, Michelle Palacios, Marc Humbert
PA1920	**Acute hemodynamic effect of acetazolamide in patients with pulmonary hypertension whilst breathing normoxic and hypoxic air: a randomized cross-over trial** Mona Lichtblau (Zürich, Switzerland), Charlotte Berlier, Stéphanie Saxer, Arcangelo F Carta, Laura Mayer, Alexandra Groth, Patrick Bader, Simon R Schneider, Michael Furian, Esther I Schwarz, Eric R Swenson, Konrad E Bloch, Siliva Ulrich
PA1921	**Predictors of response to phosphodiesterase-5 inhibitors in pulmonary arterial hypertension** AGUSTIN ROBERTO GARCIA (BARCELONA, Spain), Isabel Blanco, Roger Borras, Manuel Lopez-Meseguer, Juan Antonio Domingo-Morera, Clara Martin-Ontiyuelo, Olga Tura, Isabel Otero-Gonzalez, Pilar Escribano-Subías, Joan Albert Barberà
PA1922	**Effect of short-term oxygen therapy on exercise performance in patients with cyanotic congenital heart disease** Stéphanie Saxer (Zürich, Switzerland), Luigi-Riccardo Calendo, Mona Lichtblau, Julian Müller, Arcangelo Carta, Fiorenza Gautschi, Charlotte Berlier, Esther Schwarz, Konrad Bloch, Matthias Greutmann, Silvia Ulrich
PA1923	**Outcomes of patients with decreased arterial oxyhaemoglobin saturation on pulmonary arterial hypertension drugs** Simon Valentin (Nancy, France), Arnaud Maurac, Olivier Sitbon, Antoine Beurnier, Emmanuel Gomez, Anne Guillaumot, Laura Textoris, Renaud Fay, Laurent Savale, Xavier Jaïs, Davis Montani, Francois Picard, Jean-Francois Mornex, Grégoire Prevot, Francois Chabot, Marc Humbert, Ari Chaouat
PA1924	**Critical care outcomes in patients with pre-existing pulmonary hypertension: insights from the ASPIRE registry** Robin Condliffe (Sheffield (South Yorkshire), United Kingdom), Kris Bauchmuller, Jennifer Southern, Catherine Billings, Athanasios Charalampopoulos, Charlie Elliot, Abdul Hameed, David Kiely, Ian Sabroe, Roger Thompson, Ajay Raithatha, Gary Mills
PA1925	**Prognostic value of renal doppler in acute decompensated precapillary pulmonary hypertension** Jérémie Pichon (Paris, France), Charles Fauvel, Anne Roche, Athénaïs Boucly, Xavier Jaïs, Mitja Jevnikar, Nathan Ebstein, Olivier Sitbon, David Montani, Marc Humbert, Laurent Savale
PA1926	**Gas exchange impairment in COPD with severe pulmonary hypertension** Lucilla Piccari (Barcelona, Spain), Isabel Blanco, Yolanda Torralba, Ebymar Arismendi, Concepción Gistau, Ana Ramírez, Felip Burgos, Jorge Moisés, Joan Albert Barberà
PA1927	**Effect of phosphodiesterase 5 inhibitor in patients with pulmonary hypertension associated with chronic obstructive pulmonary disease** Gordana Pavliša (Zagreb, Croatia), Lidija Ljubicic, Fedja Dzubur, Mateja Jankovic Makek, Latinka Basara, Miroslav Samarzija
PA1928	**BREEZE: Open-label, Clinical Study to Evaluate the Safety and Tolerability of a Treprostinil Dry Powder Inhaler in Patients with Pulmonary Arterial Hypertension Currently Using Tyvaso** Leslie Spikes (LEAWOOD, United States of America), Shelley Shapiro, Ricardo Restrepo-Jaramillo, Joanna Joly, Trushil Shah, Jason Scoggin, Lisa Edwards, Peter Smith
PA1929	**A multicompartmemt lung model predicts pulmonary pharmacokinetics of inhaled liposomal treprostinil (L606) in healthy volunteer** Pei Kan (Taipei, Taiwan), Ko-Jie Chen
PA1930	**Drug-drug interaction study between zamicastat and furosemide in healthy subjects** Ana Santos (Coronado, Portugal), Ana Santos, Luis Magalhães, Andreia Guimarães, Helena Gama, Paulo Magalhaes, Patrício Soares-Da-Silva
PA1931	**Biological quality control and core laboratory considerations for CPET in a clinical trial of ralinepag in patients with pulmonary arterial hypertension: ADVANCE CAPACITY** Janos Porszasz (Torrance, United States of America), Louis Holdstock, Susan Blonshine, Richard Casaburi, David Yehle, Maureen Cunningham, Jason Blonshine, Ronald Oudiz, Marco Guazzi, Fernando Torres, Raymond Benza, Jean Luc Vachiery
PA1932	**Pulmonary artery radiofrequency ablation in an acute porcine model of pulmonary arterial hypertension** Natalia Goncharova (Saint-Petersburg, Russian Federation), Heber Ivan Condori Leandro, Aleksandr Vakhrushev, Yury Skorik, Lada Murashova, Lev Korobchenko, Elizaveta Andreeva, Lubov Mitrofanova, Elena Koshevaya, Dmitrij Lebedev, Olga Moiseeva, Evgeny Mikhaylov
PA1933	**Prospective 3D echocardiographic analysis of RV remodeling and contracility in PH Patients** Timothee Lambert (Rouen- Le Havre, France), Timothee Lambert, Bouchra Lamia, Angelique Picard, Mathilde Azzi, Fatoi Bidar, Philippe Bonnet, Bouchra Lamia

PA1934 **MRI metric lung parenchyma T1 indicates lung pathology in patients with pulmonary hypertension.**
Andy Swift (Sheffield (South Yorkshire), United Kingdom), Laura Saunders, David Capener, Robin Condliffe, David Kiely, Jim Wild

PA1935 **Late Breaking Abstract - Implications of new PH definition for CTEPD**
Ashwin Reddy (Cambridge, United Kingdom), Emilia Swietlik, Lucy Robertson, Alice Michael, Sonja Boyle, Gary Polwarth, Dolores Taboada, Charaka Hadinnapola, John Cannon, Karen Sheares, Mark Toshner, Joanna Pepke-Zaba

Pre-congress content Session 239 13:15 - 14:15

E-poster: Management of chronic cough and obstructive diseases

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases Respiratory critical care

Method(s) : General respiratory patient care Respiratory intensive care Palliative care Pulmonary rehabilitation Epidemiology Pulmonary function testing Cell and molecular biology Endoscopy and interventional pulmonology Physiology Public health Surgery

Chairs : Paul Marsden (Manchester (Greater Manchester), United Kingdom), Lowie G.W. Vanfleteren (Gothenburg, Sweden)

PA1936 **Bronchoscopy and laryngoscopy findings in refractory chronic cough (RCC)**
James Wingfield Digby (Manchester (Greater Manchester), United Kingdom), Jenny King, Jacky Smith, Jemma Haines, Sarah Hennessey, Siobhan Ludlow, Paul Marsden

PA1937 **Prevalence, incidence, and characteristics of chronic cough among adults from the canadian longitudinal study on ageing (CLSA)**
Imran Satia (Hamilton, Canada), Alexander Mayhew, Sohel Nazmul, Om Kurmi, Kieran Killian, Paul O'Byrne, Parminder Raina

PA1938 **Automated detection of cough events with a Smartphone**
Konstantinos Tatsis (Ioannina, Greece), Niels Agerskov, Daniela Savi, Agni Sioutkou, Sofia Peristeri, Evgenia Salla, Christos Kyriakopoulos, Athena Gogali, Konstantinos Kostikas

PA1939 **Bronchial asthma: what is different in patients with and without chronic cough?**
Dina Visca (Tradate, Italy), Patrizia Pignatti, Martina Zappa, Rosella Centis, Paola Bottini, Dardan Drugzani, Elisabetta Zampogna, Laura Saderi, Giovanni Sotgiu, Giovanni Battista Migliori, Antonio Spanevello

PA1940 **The use of objective 24 hour cough monitoring to measure clinical improvement in cystic fibrosis.**
Kayleigh Brindle (Cottingham, United Kingdom), Rachel Thompson, Caroline Wright, Tanya Cavany, Debbie Ingram, Melanie Robinson, Alyn Morice

PA1941 **Productive Cough, a Forgotten Phenotype of Refractory Chronic Cough**
Jenny King (Manchester (Greater Manchester), United Kingdom), James Wingfield Digby, Sarah Hennessey, Paul Marsden, Jaclyn Smith

PA1942 **Evaluation of long-term respiratory problems in children with esophageal atresia**
Zeynep Reyhan Onay (Istanbul, Turkey), Gulsah Pirim, Sinem Can Oksay, Deniz Mavi, Yetkin Ayhan, Gulay Bilgin, Sabahat Cam, Cigdem Ulukaya Durakbasa, Saniye Girit

PA1943 **A novel approach to the analysis of ambulatory 24hr cough monitoring data**
Rachel Thompson (Hull, United Kingdom), Kayleigh Brindle, Tanya Cavany, Melanie Robinson, Debbie Ingram, Caroline E Wright, Alyn H Morice

PA1944 **Modelling Rhinovirus-16 (RV16) Infection using Human Precision Cut Lung Slices (PCLS)**
Rebecca Stinson (Hull, United Kingdom), Alyn Morice, Laura Sadofsky

PA1945 **Measuring peripheral lung dimensions with the deposition of aerosol nanoparticles**
Madeleine Petersson Sjögren (Lund, Sweden), Laura Aaltonen, Jonas Jakobsson, Jenny Rissler, Per Wollmer, Jakob Löndahl

PA1946 **Longitudinal quality of life following acute NIV for ECOPD.**
Nicholas Lane (Newcastle Upon Tyne, United Kingdom), Tom Hartley, John Steer, Mark Elliott, Milind Sovani, Helen Curtis, Elizabeth Fuller, Patrick Murphy, Dinesh Shrikrishna, Keir Lewis, Neil Ward, Chris Turnbull, Nicholas Hart, Stephen Bourke

PA1947 **CARDIOVASCULAR RISK (CVR) AND EFFECTS ON THE QUALITY OF LIFE AFTER A PHYSICAL REHABILITATION PROGRAM ON COPD PATIENTS BASED ON THEIR PHENOTYPE: EXACERBATOR (E) OR NON-EXACERBATOR (NE)**
Esperanza Salcedo Lobera (Málaga, Spain), Ana Muñoz Montiel, Pedro Ruiz-Esteban, Jairo Luque Del Pino, Miguel Ángel Sánchez Chaparro, Adolfo Doménech Del Río

PA1948 **Title: The effect of COPD pay-for-performance program on healthcare resource utilization in Taiwan**
Ching-Hsiung Lin (Changhua city, Taiwan), Ching-Hsiung Lin, Hao-Chien Wang , Meng-Chih Lin, Chong-Jen Yu

PA1949 **Bone turnover markers, bone mineral density and body composition in Tunisian patients with chronic obstructive pulmonary disease**
Amir Taboubi (Béja, Tunisia), Meriem Mjid, Sameh Hadj Taieb, Abir Hedhli, Yacine Ouahchi, Sana Cheikh Rouhou, Wafa Hamdi, Kaouther Maatallah, Samira Merai, Moncef Fekih, Sonia Toujani, Besma Dhahri

PA1950 **Receptor activator of nuclear factor-kB ligand (RANKL) and bone mineral density in Tunisian patients with chronic obstructive pulmonary disease (COPD)**
Amir Taboubi (Béja, Tunisia), Meriem Mjid, Lilia Laadhar, Imene Ayadi, Abir Hedhli, Yacine Ouahchi, H Aoudani, Sana Cheik Rouhou, Samira Merai, Maryam Sellami, Sonia Toujani, Besma Dhahri

PA1951 **Airway length per generation in the human healthy lung and the impact of COPD**
Vincent Geudens (Leuven, Belgium), Celine Aelbrecht, Janne Kaes, Karen Maes, Tinne Goos, Arno Vanstapel, Margot Sterkens, Stephanie Everaerts, Iwein Gyselinck, Jan Van Slambrouck, Stijn E. Verleden, Geert M. Verleden, Laurens J. Ceulemans, Robin Vos, Wim A. Wuyts, Bart M. Vanaudenaerde, Wim Janssens, Ghislaine Gayan-Ramirez

PA1952 **Insulin-Like Growth Factors and IGF-Binding Proteins levels in serum from smokers and patients with different grades of COPD, COPD and lung cancer and exacerbated COPD**
Iciar Paula Lopez (Logroño (La Rioja), Spain), Elvira Alfaro-Arnedo, Marta Canalejo, Alfredo Urtubia, Alejandra Roncero, Carlos Ruiz-Martínez, Andreas Hoeflich, Christine Höflich, Carolina Gotera, German Peces Barba, Jose G Pichel

PA1953 **Definition, characteristics and quality of life of patients with chronic cough from the Isala chronic cough clinic in the Netherlands**
Jan Willem K. van den Berg (Zwolle, Netherlands), C A Baxter, M Edens, K W Patberg, Hester van der Velden, A Weijerse, S Salomonsson

PA1954 **LSC - 2021 - The role of the systemic inflammation in bronchiectasis exacerbation frequency**
Kateryna Gashynova (Dnipro, Ukraine), Suska Kseniia, Kateryna Gashynova (gashynova@gmail.com / SI"DMA",Dnipro), Suska , Valeriia Dmytrychenko (leradmitrichenko@ua.fm / SI"DMA",Dnipro)

Pre-congress content Session 240 13:15 - 14:15

E-poster: Acute paediatric respiratory infections

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Respiratory critical care Airway diseases

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

Tag(s) : COVID

Chairs : Refiloe Masekela (Pretoria, South Africa), Ross Langley (Glasgow, United Kingdom)

PA1955 **Community-acquired pneumonia in COVID-19 positive children: monitoring the clinical course**
Zoia Nesterenko (Lugansk, Ukraine), Natalia Prokopeva

PA1956 **The course of pulmonary TB in children with COVID-19**
Irina Petrakova (Moscow, Russian Federation), Marina Gubkina, Natalya Yukhimenko, Yuliya Khokhlova, Svetlana Sterlikova

PA1957 **Comparative clinical analysis of COVID-19 pneumonia and bacterial pneumonia**
Natalya Konurkina (Красноярск, Russian Federation), Natalya Ilenkova

PA1958 **Pulmonary outcome post COVID-19 in children: the role of the lung ultrasound**
Ioana Mihaiela Ciuca (Timisoara (Timis), Romania), Mihaela Dediu, Flavian Nicolae Mircov, Maria Budnic, Diana Ragobete, Ramona Chelcea, Diana Popin, Mihnea Baloi, Mirabela Maria Lukic

PA1959 **Bronchiolitis prevalence rates in Congenital Diaphragmatic Hernia: a systematic review and meta-analysis**
Leonie Lewis (Liverpool, United Kingdom), Paul Losty, Ian Sinha

PA1960 **Molecular genetic characterization of Klebsiella pneumoniae isolates from a lower respiratory tract in children in intensive care unit in Moscow**
Irina Novikova (Moscow, Russian Federation), Natalia Alyabieva, Zulfirya Sadeeva, Anna Lazareva

PA1961 **Clinical and radiological features can help predict Mycoplasma pneumoniae lower respiratory tract infection in children**
Špela Dolenc (Lj. - Šentvid, Slovenia), Darja Keše , Malena Aldeco , Uroš Krivec, Ana Kotnik Pirš , Dušanka Lepej, Marina Praprotnik, Saša Šetina Šmid, Aleksandra Zver, Jasna Rodman Berlot

PA1962 **Chlamydia pneumoniae and Mycoplasma pneumonia infection in children respiratory diseases**
Svetlana Sciuca (Chisinau, Republic of Moldova), Ludmila Balanetchi, Consuela Adam, Rodica Selevestru , Ianos Adam , Diana Rotaru-Cojocari, Liuba Neamtu

PA1963 **Prevalence of hyponatremia (HN) in children with community acquired pneumonia (CAP) and its relation to disease severity, outcomes**
Yasmin Saied Aly (Cairo, Egypt), Mona Mohsen, Mohammed Khalil, Doaa Salah

PA1964 **Role of clinical criteriaa and oxygen saturation (SpO2) monitoring in the diagnosis of pneumonia in children aged 2 to 59 months**
Rashmi Ranjan Das (Bhubaneswar (Odisha), India), Amit Kumar Satapathy, Samarendra Mahapatro, Aparna Mukherjee, Jagdish Prasad Goyal, Javeed Iqbal Bhat, Vinod H Ratageri, Bhadresh Vyas

PA1965 **Management of pneumonia in emergency department: utility of chest radiography reviewed by a pediatric pneumologist and a pediatric radiologist.**
Michele Ghezzi (Bergamo, Italy), Martina Pascuzzi, Luisa Lonoce, Andrea Farolfi, Salvatore Zirpoli, Marco Morelli, Gian Vincenzo Zuccotti

PA1966 **The knowledge, attitude and practices of childhood pneumonia of parents in slum area of Pakistan**
Abdul Mannan Mustafa (Multan, Pakistan), Ghulam Mustafa

PA1967 **Necrotizing pneumonia in children: Report of 27 cases in a Spanish hospital over 17 years**
Silvia Carbonell-Sahuquillo (valencia, Spain), Andrés Piolatti-Luna, José Rafael Bretón-Martínez , Silvia Castillo-Corullón

PA1968 **Evolution of cytokines/chemokines in cases with severe nosocomial pneumonia and distinct etiologies in mechanical ventilated patients.**
Kostiantyn Dmytriiev (Vinnitsya, Ukraine), Dmytro Dmytriiev, Oleksandr Nazarchuk, Yulia Babina, Kateryna Dmytriieva

Pre-congress content Session 241 13:15 - 14:15

E-poster: Rare thoracic surgical disease and the chest wall

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

Method(s) : Surgery | General respiratory patient care | Imaging | Respiratory intensive care | Cell and molecular biology

Chairs : Marco Nardini (Uxbridge, United Kingdom), Cagatay Tezel (Istanbul, Turkey)

PA1969 **Elastofibroma: A rare neoplasm of the chest wall**
Kalliopi Athanassiadi (Athens, Greece), Evangelia Liverakou, Ioannis Alevizakis, Evangelia Chatzimichali, Aikaterini Katsandri, Ioannis Provatas, Giorgos Liadakis

PA1970 **Complex treatment of widespread destructive pulmonary tuberculosis using innovative technology of the main bronchial stump treatment during pneumonectomy**
Genrik Asoyan (Moscow, Russian Federation), Mamed Bagirov, Svetlana Sadovnikova , Dmitry Prohodcov , Nina Nikitina, Ramil Penagi, George Chitorelidze

PA1971 **Pyothorax in children: surgical management**
mahdi Abdennadher (Ariana, Tunisia), ghazouani atef, Abdennadh Mahdi, Sahnoun Imen, Zribi Hazem, Zairi Sarra, Bouacida Imen, Ouerghi Sonia, Mezni Faouzi, Marghli Adel

PA1972 **Thoracic synovial sarcoma: management of a rare tumor and prognosis , a report of 8 cases**
Imen Bouassida (Ariana , Tunisia), Asma Saad, Sarra Zairi, Hazem Zribi, Bechir Ben Radhia, Aida Ayedi, Sonia Ouerghi, Adel Marghli

PA1973 **Primary adenoid cystic carcinoma of the trachea and bronchus: a surgical series**
Imen Bouassida (Ariana , Tunisia), Kaouther Ben Amara, Mahdi Abdennadher, Hazem Zribi, Ameni Ben Mansour, Aida Ayedi, Sonia Ouerghi, Adel Marghli

PA1974 **Clinical efficacy of Video-assisted thoracoscopic surgical decortication (VATSD) in various diseases;an 85 cases study**
Ioannis Karampinis (Athens, Greece), Georgia Hardavella, Antonios Katsipoulakis, Panagiotis Demertzis, Nikolaos Anastasiou

PA1975 **Non intubated surgery in empyema thoracis**
Kalliopi Athanassiadi (Athens, Greece), Evangelia Liverakou, Vasileios Vlahakos, Georgios Zakynthinos, Evangelia Chatzimichali, Andriana Papapostolou, Apostolos Pappas, Aikaterini Katsandri, Dimitrios Magouliotis, Andreas-Stylianos Asimakos, Niki Gianniou, Paraskevi Katsaounou

PA1976 **Management of post-traumatic empyema**
mahdi Abdennadher (Ariana, Tunisia), ghazouani atef, Abdennadh Mehdi, Zairi Sarra, Bouacida Imen, Sahnoun Imen, Touiabia Maha, Ouerghi Sonia, Zribi Hazem, Marghli Adel

PA1977 **Medical pleurodesis with povidone iodine for malignant pleural effusion in low income country**
Mouad Gourti (Agadir, Morocco), Soufiane Abdouh, Mohsine Makloul, Fahd Ouchen, Elmehdi Maidi

PA1978 **Surgical management of thoracic empyema - 5 years review**
Maria João Freitas Ferreira Araújo (Guimarães, Portugal), Susana Lareiro, José Miranda, Miguel Guerra

PA1979 **Do air bubbles have a message?**
Banu Yoldaş (İzmir, Turkey), Serkan Yazgan, Ezgi Çelik, Soner Gursoy

PA1980 **Primary chest wall plasmocytoma : a series of 7 cases**
Imen Bouassida (Ariana , Tunisia), WIFEK SAIDANI, Rime Essid, Hazem Zribi, Mahdi Abdennadher, Bechir Ben Rathia, Yoldez Houcine, Sonia Ouerghi, Adel Marghli

PA1981 **Oligometastatic rib disease resection for cancer patients**
Ioannis Karampinis (Athens, Greece), Georgia Hardavella, Antonios Katsipoulakis, Nikolaos Anastasiou

PA1982 **Benign bone tumors of the chest wall: a report of 17 cases**
mahdi Abdennadher (Ariana, Tunisia), Kaouther Ben Amara, Hazem Zribi, Imen Bouacida, Sarra Zairi, Aida Ayadi-Kaddour , Sonia Ouerghi, Adel Marghli

PA1983 **Management of chest wall chondrosarcoma: report of 15 cases**
Sarra Zairi (Tunis, Tunisia), mariem hadj dahmane, Hazem Zribi, Mahdi Abdennadher, Ayda Ayedi, Mouna Attia, Sonia Ouerghi, Faouzi Mezni, Taher Mestiri, Adel Marghli

PA1984 **Multidisciplinary approach in the treatment of chest wall sarcomas**
Imen Bouassida (Ariana , Tunisia), WIFEK SAIDANI, Amina Abdelkbir, Hazem Zribi, Bechir Ben Rathia, Sarra Zairi, Taher Mestiri, Aida Ayadi, Adel Marghli

PA1985 **Lung sarcoidosis in HIV infection: myth or reality?**
Tamila Abu Arqoub (Moscow, Russian Federation), Mikhail Synitsyn , Boris Barskiy , Dmitriy Plotkin , Mikhail Reshetnikov , Armine Galstyan

Pre-congress content Session 242 13:15 - 14:15

E-poster: Pulmonary rehabilitation in clinical conditions

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases | Thoracic oncology | Interstitial lung diseases | Respiratory critical care | Sleep and breathing disorders

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

Tag(s) : COVID, Digital health

Chairs : Leona Dowman (Melbourne, Australia), Claire Andrejak (Amiens, France)

PA1986 **What should Pulmonary Rehabilitation (PR) look like for adults living with post-TB lung disease (PTBLD) in Kyrgyzstan? A qualitative study**
Gulzada Mirzalieva (Bishkek , Kyrgyzstan), Maamed Mademilov, Zainab K. Yusuf, Mark W. Orme, Claire Bourne, Amy V. Jones, Ruhme B. Miah, Azamat Akylbekov, Rupert Jones, Andy Barton , Dominic Malcolm , Talant Sooronbaev, Sally J. Singh

PA1987 **Acute exacerbation of COPD- What symptoms bothers patients the most: A survey study**
Bedor Alkhathlan (Leicester, United Kingdom), Neil Greening, Theresa Harvey-Dunstan , Sally Singh

PA1988	**Maintenance strategy preferences following pulmonary rehabilitation (PR) for patients with chronic respiratory disease (CRD): A Survey** KHALED ALQAHTANI (Leicester, United Kingdom), Linzy Houchen-Wolloff, Sally Singh
PA1989	**Responsiveness and MID estimates for isokinetic quadriceps endurance in COPD patients following pulmonary rehabilitation** Anouk Stoffels (Nijmegen (GE), Netherlands), Roy Meys, Frits Franssen, Hieronymus Van Hees, Bram Van Den Borst, Alex Van 'T Hul, Peter Klijn, Jana De Brandt, Chris Burtin, Martijn Spruit
PA1990	**Frequency of depressive syndrome in patients with bronchial asthma and chronic obstructive pulmonary disease** Shahboskhon Akhmedov (Tashkent, Uzbekistan)
PA1991	**Outcomes of pulmonary rehabilitation after lung resection in patients with lung cancer** Nimet Aksel (Izmir, Turkey), Hulya Sahin, Ilknur Naz Gursan, Filiz Guldaval, Mine Gayaf, Serkan Yazgan, Kenan Can Ceylan
PA1992	**A comparison of respiratory muscle endurance, respiratory muscle endurance workload, and quality of life in low and high-fatigue colorectal cancer survivors** Mehmet Fatih Sanver (Ankara, Turkey), Naciye Vardar-Yağlı, Melda Sağlam, Haluk Tekerlek, Ebru Çalık-Kütükçü, Deniz Inal-Ince, Saadettin Kılıçkap
PA1993	**Late Breaking Abstract - Uneven improvement of functional and ventilatory status of Covid-19 patientsafter discharge from hospital** Richard Haouchan (Beirut, Lebanon), Antoine Kik, Elie Ghayad, Hind Eid, Marc Raad, Albert Riachy, Elio Mekhael, Fadi Haddad, Geaorges Khayat, Ghassan Sleilaty, Moussa Riachy
PA1994	**Assessment of the currently available reference equations for the 6-minute walk in breast cancer survivors living at 2630 meters altitude.** Diana Carolina Zona Rubio (Bogota, Colombia), Sol Angie Romero, Teddy Angarita-Sierra, Ana Isabel García-Muñoz, Steve Fernando Pedraza, Laura Yañez, María Alejandra Rubio, Oscar Rubiano, José Gabriel León, Carlos Mejía-Arbelaez, Olga Lucía Sarmiento
PA1995	**Adaptive capacities and complexity of heart rate variability in patients with Chronic Obstructive Pulmonary Disease throughout pulmonary rehabilitation** Louis Hognon (Montpellier, France), Nelly Heraud, Alain Varray, Kjerstin Torre
PA1996	**The value of a post-polio syndrome self-management programme** Alexandra Curtis (London, United Kingdom), Jeong Su Lee, Georgios Kaltsakas, Vivian Auyeung, Simon Shaw, Nicholas Hart, Joerg Steier
PA1997	**Screening for a strategic shift to pulmonary telerehabilitation for non-COVID-19 patients.** Catarina Duarte Santos (Almada, Portugal), Fátima Rodrigues, Cátia Caneiras, Cristina Bárbara
PA1998	**Effectiveness of telephone monitored home exercise for patients with COPD** Lisa Pritchard (London, United Kingdom), Charlene Goh, Lynn Mcdonnell, Lauren Hogg, Laura Moth
PA1999	**Respiratory function in chronic stroke patients: an observational study.** Esther Prados Román (Granada, Spain), Irene Cabrera Martos, Mónica Zapata Soria, Araceli Ortiz Rubio, Andrés Calvache Mateo, Marie Carmen Valenza
PA2000	**A prospective dual-cohort study of Respiratory and Palliative Care for patients with advanced lung disease** Julie McDonald (, Australia), David Marco, Rebecca Howard, Euan Fox, Laura Booth, Jennifer Weil, Mark Boughey, Natalie Pollard, Una Mckeever, Matthew Conron
PA2001	**Mechanical insufflation-exsufflation use in neuromuscular disease: A single centre cohort study** Neeraj Shah (New Malden (Surrey), United Kingdom), Georgios Kaltsakas, Shauna Sheridan, Emily Ballard, Chloe Apps, Michelle Ramsay, Shelley Srivastava, Eui-Sik Suh, Rebecca D'Cruz, Mike Mackie, Nick Weston, Nicholas Hart, Patrick Murphy
PA2002	**EFA technology efficacy on oropharyngeal secretions management in subjects with DOC** Alessandra Cima (Lesmo, Italy), Manuela Locatelli, Alessandra Cima, Francesco D'Abrosca
PA2003	**Late Breaking Abstract - PULMONARY REHABILITATION IN POST - COVID SUBJECTS WITH MODERAT E LUNG RESTRICTION, A CASE SERIES.** Camilo Corbellini (Rivoli (TO), Italy), Jorge Villafane, Elisa Gugliotta, Saverio Tavella, Stefano Zampese, Paolo Pessina, Riccardo Monti, Cosimina Carnuccio, Eleuterio A. Sanchez Romero, Roberto Meroni
PA2004	**Maximal inspiratory pressure in older than 74 years hospitalized by acute disease: Preliminary results of the AGECAR PLUS Study (NTC 03604640).** Teresa Zarralanga (Madrid, Spain), Jennifer Mayordomo, Sofía González, Cristina Carrasco, Johanna Vásquez, Fernando Gómez-Olano, Iván Ariza, Gabriel Rodriguez-Romo, Javier Ortíz, José Antonio Serra

Pre-congress content Session 243 13:15 - 14:15

E-poster: Bronchiectasis and pleural infection

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases

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

Chairs : Melissa McDonnell (Oranmore (Co Galway), Ireland), Josje Altenburg (Amsterdam (NH), Netherlands)

PA2005	**The journey to bronchiectasis diagnosis and care: an EMBARC/ELF patient survey** Arietta Spinou (London, United Kingdom), Marta Almagro, Bridget Harris, Jeanette Boyd, Tove Berg, Beatriz Herrero, Annette Posthumous, Stefano Aliberti, Barbara Crossley, Thomas Ruddy, James Chalmers, Michal Shteinberg
PA2006	**Translation and validation of the Quality-of-Life Bronchiectasis questionnaire in Swedish, and correlation with clinical outcomes.** Pia Ghosh (Stockholm, Sweden), Ingrid Gerhardson, Roelinde Middelveld, Alexandra Ek, Amalia Panagiotou, Sven-Erik Dahlén, Barbro Dahlén, Apostolos Bossios
PA2007	**Nebulized saline treatment in patients with concomitant asthma and bronchiectasis** ELENA AVALOS PEREZ-URRIA (Madrid , Spain), Carolina Victoria Cisneros, Rosa María Girón , Ana Sanchez Azofra, Celeste Marcos, Tamara Alonso, Gorane Iturricastillo , Ana Martinez Meca, Julio Ancochea
PA2008	**Vestibular function in adult patients with primary ciliary dyskinesia** Niels Winthereik (Copenhagen, Denmark), Mikkel Christian Alanin, Kim Gjerum Nielsen, Christian Von Buchwald, Sune Land Bloch
PA2009	**Bronchiectasis severity assessment tools to predict clinical outcomes in the Indian Bronchiectasis Registry** Raja Dhar (Kolkata (West Bengal), India), Sheetu Singh, Deepak Talwar, Murali Mohan, Surya Kant Tripathi, Rajesh Swarnakar, Sonali Trivedi, Srinivas Rajagopala, George D'Souza, Arjun Padmanabhan , Archana Baburao, Megan Crichton, James D. Chalmers, Sneha Limaye, Sundeep Salvi
PA2010	**FACED and BSI concordance in predicting bronchiectatsis severity** Asma Jarrar (Tunis, Tunisia), Haifa Zaibi, Emna Ben Jemia, Hend Ouertani, Jihen Ben Amar, Hichem Aouina
PA2011	**Contribution of BSI and FACED scores in prediction of bronchiectasis mortality** Asma Jarrar (Tunis, Tunisia), Haifa Zaibi, Emna Ben Jemia, Ameni Naaroura, Jihen Ben Amar, Hichem Aouina
PA2012	**Bronchiectasis exacerbations risk prediction using severity scales BSI and FACED** Asma Jarrar (Tunis, Tunisia), Haifa Zaibi, Emna Ben Jemia, Hend Ouertani, Jihen Ben Amar, Hichem Aouina
PA2013	**Elevated blood eosinophils in bronchiectasis: A distinct phenotype?** Nouha Boubaker (Nabeul, Tunisia), Sabrine Louhaichi, Ikbel Khalfallah, Mariem Ferchichi, Safa Belkhir, Jamel Ammar, Besma Hamdi, Agnès Hamzaoui
PA2014	**Analysis of the Effect of pneumococcal vaccination in patients with COPD in combination with bronchiectasis** Elena Blinova (Chelyabinsk (Chelyabinsk Oblast), Russian Federation), Galina Ignatova
PA2015	**Exacerbations in non- cystic fibrosis bronchiectasis (NCFB): is there a difference between self-reported events and those defined by the criteria in the literature?** Monica Corso Pereira (Campinas (SP), Brazil), Jessica de Campos Medeiros, Àdria Cristina Da Silva
PA2016	**Analysis of the daily symptom profile of patients with non-cystic fibrosis bronchiectasis (NCFB) using a symptom diary.** Monica Corso Pereira (Campinas (SP), Brazil), Jessica de Campos Medeiros, Ádria Cristina Da Silva
PA2017	**Assessment of health-related quality of life in patients with bronchiectasis colonized by Pseudomonas aeruginosa** Leticia Bueno Freire (Barcelona, Spain), Victoria Alcaraz Serrano, Laia Fernández Barat, Giulia Scioscia, Patricia Oscanoa, Nil Vázquez, Alexandre López Gavin, Albert Gabarrús, Rosanel Amaro, Adrián Ceccato, Rubén López Aladid, Antoni Torres
PA2018	**Risk stratifying pleural infection using RAPID score in an Asian population** Charles Wong (Hong Kong, Hong Kong), Loletta Kit-Ying So, Loretta Yin-Chun Yam
PA2019	**Identification of microbiome etiology associated with drug resistance in pleural empyema** Jinhua Liang (nanning, China), Zhaoyan Chen, Hang Cheng, Zhao Cai, Qingjun Wei, Jinlong Li, Wenshu Zhang, Zhijian Yu, Dongjing Liu, Lei Liu, Zhenqiang Zhang, Wang Ke, Liang Yang

PA2020 **Parapneumonic pleural effusion prognosis – retrospective study in an Internal Medicine Service**
Chantal Cortesão (Aveiro, Portugal), Patrícia Carvalho, Pedro Silva Santos, Joana Pacheco, Armando Carvalho

PA2021 **Clinicoradiological profile and treatment outcome of empyema thoracis patients**
ARITRA GANGULY (KOLKATA, India), Somnath Bhattacharya, Atin Dey

PA2022 **Rate and impact of the infection risk related to reusable flexible bronchoscopes: Systematic literature review and meta-analysis**
Helena Travis (Ballerup, Denmark), Rasmus Russell

PA2023 **Pleural empyema in hospitalization and mortality risk: application of RAPID score.**
IRENE MILAGROS DOMINGUEZ ZABALETA (Madrid, Spain), Sergio Suarez Escudero, Beatriz Recio Moreno, Christian Reynaldo Castro Riera, Zichen Ji, Javier De Miguel Diez, Luis Puente Maestu, Walther Ivan Giron Matute

PA2024 **A experience of using intrapleural fibronolytics in a large district general hospital**
Muhammad Bilal Khan Niazi (Sheffield (South Yorkshire), United Kingdom), Olutobi Ojuawo, Ansar Ali, Usman Maqsood, Adeel Sahal

Pre-congress content Session 244 13:15 - 14:15

E-poster: Paediatric asthma and bronchopulmonary dysplasia

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

Chairs : Liesbeth Duijts (Rotterdam, Netherlands), David Lo (Leicester, United Kingdom)

PA2025 **Changes in epidemiology of bronchiolitis during last two decades in Finland: a register-based study**
Paula Heikkilä (Orivesi, Finland), Tytti Vihikangas, Sauli Palmu

PA2026 **Temporal change in pediatric asthma exacerbation rates - a nationwide Swedish asthma cohort (HERA)**
Erik Melén (Stockholm, Sweden), Bright Nwaru, Fredrik Wiklund, Magnus Ekström, Sofie de Fine Licht, Gunilla Telg, Christer Janson

PA2027 **Does lung function change in the months after an asthma exacerbation in children?**
Stephen Turner (Aberdeen (Aberdeenshire), United Kingdom), Joanne Martin, Marielle Pijnenburg, Graham Roberts, Katharine Pike, Helen Petsky, Anne Chang, Stanley Szefler, Peter Gergen, Francoise Vermeulen, Robin Vael

PA2028 **Assessing the contribution of combined influence of genetic and external factors (smoking) on the development of Asthma**
Bairma Batozhargalova (Moscow, Russian Federation), Yuri Mizernitskiy, Nika Petrova, Rena Zinchenko

PA2029 **Appendicular lean mass - a driver of low lung function in children? Data from the population-based LEAD (Lung, hEart, sociAl, boDy) cohort**
Alina Ofenheimer (Wien, Austria), Robab Breyer-Kohansal, Sylvia Hartl, Otto C. Burghuber, Florian Krach, Frits Franssen, Emiel Wouters, Marie-Kathrin Breyer

PA2030 **Compliance of asthmatic children to lockdown measures for the COVID-19 pandemic: Objective assessment using wearable sensors.**
Antonis Michanikou (Nicosia, Cyprus), Panayiotis Kouis, Pinelopi Anagnostopoulou, Emmanouil Galanakis, Eleni Michaelidou, Helen Dimitriou, Andreas M. Matthaiou, Paraskevi Kinni, Souzana Achilleos, Harris Zacharatos, Stefania I. Papatheodorou, Petros Koutrakis, Georgios K. Niikolopoulos, Panayiotis K. Yiallouros

PA2031 **Prospective assessment of pediatric asthma morbidity in Cyprus and Greece during COVID-19 lockdown measures in Spring 2020**
Panayiotis Kouis (Nicosia, Cyprus), Eleni Michaelidou, Paraskevi Kinni, Antonis Michanikou, Pinelopi Anagnostopoulou, Helen Dimitriou, Kostas Karanicolas, Andreas M. Matthaiou, Souzana Achilleos, Stefania I. Papatheodorou, Petros Koutrakis, Nicos Middleton, Emmanouil Galanakis, Panayiotis K. Yiallouros

PA2032 **The way to standardized reporting of obstructive airway disease in children – a national Delphi process**
Carmen Cornelia Maria de Jong (Bern, Switzerland), Cristina Ardura-Garcia, Eva Sophie Lunde Pedersen, Dominik Mueller-Suter, Anja Jochmann, Florian Singer, Carmen Annemarie Casaulta, Nicolas Regamey, Alexander Moeller, Myrofora Goutaki, Claudia Kuehni

PA2033 **Assessing cough in epidemiological studies: does it matter which question is used?**
Maria Christina Mallet (Bern, Switzerland), Rebeca Mozun, Cristina Ardura-Garcia, Philipp Latzin, Alexander Moeller, Claudia E Kuehni

PA2034 **Postnatal diuretics, growth and home oxygen requirement in preterm infants**
Emma Williams (London, United Kingdom), Emma Williams, Theodore Dassios, Shannon Gunawardana, Nicholas Donaldson, Anne Greenough

PA2035 **Use of postnatal corticosteroids and weight gain in extremely prematurely born infants**
Emma Williams (London, United Kingdom), Emma Williams, Theodore Dassios, Mikhaela Mann, Anne Greenough

PA2036 **Respiratory morbidity and lung function in moderate and late preterm infants during the first six years of life.**
Laura Camats Marsol (SAN SEBASTIÁN, Spain), Ines De Mir Messa, Olaia Sardón Prado, Paula Corcuera Elosegui, Ignacio Iglesias Serrano, Sandra Rovira-Amigo, Javier Korta Murua, Antonio Moreno-Galdó

PA2037 **Impact of Bronchopulmonary Dysplasia on Functional and Structural Change in Lung of School-aged Children**
Ji Ye Jung (Seoul, Republic of Korea), Jeong Eun Shin, Mi-Jung Lee, Soo Yeon Kim, Jungho Han, Kyung Won Kim

PA2038 **Teaching Air Pollution to Children - Clinical research and education colliding**
Abigail Whitehouse (London, United Kingdom), Jonathan Grigg

Pre-congress content Session 245 13:15 - 14:15

E-poster: In vitro modelling of lung disease: reach out to the next dimension

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

Method(s) : Cell and molecular biology Imaging Transplantation Physiology

Chairs : Darcy Wagner (Lund, Sweden), Anne M. van der Does (Leiden, Netherlands)

PA2039 **Establishment of a human in vitro model for airway epithelial repair and regeneration**
Ashesh Chakraborty (Munich, Germany), Ashesh Chakraborty, Michal Mastalerz, Rudolf Hatz, Jürgen Behr , Michael Lindner, Anne Hilgendorff, Claudia Staab-Weijnitz

PA2040 **LSC - 2021 - Establishment of a human in vitro model for airway epithelial repair and regeneration**
Ashesh Chakraborty (Munich, Germany), Chakraborty Ashesh, Michal Mastalerz (michal.mastalerz@helmholtz-muenchen.de / Comprehensive Pneumology Center, University Hospital of the Ludwig-Maximilians-University Munich and Helmholtz Zentrum München, Member of the German Center for Lung Research, Munich , Germany,Munich) , Rudolf Hatz (Rudolf.Hatz@med.uni-muenchen.de / Thoraxchirurgisches Zentrum, Klinik für Allgemeine-, Viszeral- , Transplantations- , Gefäß- und Thoraxchirurgie, Klinikum Großhadern, Ludwig-Maximilians-Universität (LMU),Munich), Jürgen Behr (Juergen.Behr@med.uni-muenchen.de / Medizinische Klinik und Poliklinik V, Klinikum der Ludwig-Maximilians-Universität, Munich , Germany , Member of the German Center of Lung Research (DZL) and Asklepios Fachkliniken München-Gauting, Munich , Germany,Munich) , Michael Lindner (m.lindner@salk.at / Comprehensive Pneumology Center, University Hospital of the Ludwig-Maximilians-University Munich and Helmholtz Zentrum München, Member of the German Center for Lung Research, Munich , Germany and Asklepios Fachkliniken München-Gauting, Munich , Germany,Munich) , Anne Hilgendorff (A.Hilgendorff@med.uni-muenchen.de / Comprehensive Pneumology Center, University Hospital of the Ludwig-Maximilians-University Munich and Helmholtz Zentrum München, Member of the German Center for Lung Research, Munich , Germany,Munich) , Claudia Staab-Weijnitz (staab-weijnitz@helmholtz-muenchen.de / Comprehensive Pneumology Center, University Hospital of the Ludwig-Maximilians-University Munich and Helmholtz Zentrum München, Member of the German Center for Lung Research, Munich , Germany,Munich)

PA2041 **EGR-1 as a potential biomarker in asthma and proinflammatory responses in airway epithelium**
Kornel Golebski (Amsterdam, Netherlands), Mario Gorenjak, Michael Kabesch, Anke-Hilse Maitland-Van Der Zee, Erik Melén , Uroš Potočnik, Susanne Reinartz, Elisangela Santos Valente, Susanne Vijverberg, Cornelis Van Drunen

PA2042 **Modelling the molecular effects of cannabis extracts on human airway epithelial tissue**
Neil Skjodt (Lethbridge (AB), Canada), Bo Wang, Dongping Li, Anna Fiselier, Rocio Rodriguez-Juarez, Olga Kovalchuk, Igor Kovalchuk

PA2043 **A 3D tissue-engineered airway model for the assessment of epithelial responses to novel nanotherapeutics**
Luis Soriano (Dublin, Ireland), Rachel Gaul, Fergal J. O'Brien , Cian O'Leary, Sally-Ann Cryan

PA2044 **LSC - 2021 - Effect of mTOR inhibition in a 3D in vitro model of alveolar epithelium and epithelial regeneration**
Manuela Platé (London, United Kingdom), Demetra-Ellie Phylactopoulos (ephylact@yahoo.com / Centre for Inflammation and Tissue Repair, UCL Respiratory, University College London,London), Sarah E Clarke (sarah.e.clarke@ucl.ac.uk / Lungs For Living Research Centre, UCL Respiratory, University College London,London), Robert E Hynds (rob.hynds@ucl.ac.uk / CRUK Lung Cancer Centre of Excellence, UCL Cancer Institute, University College London,London), Sam M Janes (s.janes@ucl.ac.uk / Lungs For Living Research Centre, UCL Respiratory, University College London,London), Rachel C Chambers (r.chambers@ucl.ac.uk / Centre for Inflammation and Tissue Repair, UCL Respiratory, University College London,London)

PA2045	**LSC - 2021 - Pluripotent stem cell derived airway cholinergic neurons for disease modelling of neuroplasticity in asthma** Pien A. Goldsteen (Groningen, Netherlands), Patty Mulder (p.p.m.f.a.mulder@rug.nl / University of Groningen,Groningen), Loes Kistemaker (l.e.m.kistemaker@rug.nl / University of Groningen,Groningen), Joana Soeiro (joanasoeiro97@gmail.com / University of Groningen,Groningen), Klaus Mathwig (k.h.mathwig@rug.nl / University of Groningen,Groningen), Amalia Dolga (a.m.dolga@rug.nl / University of Groningen,Groningen), Reinoud Gosens (r.gosens@rug.nl / University of Groningen,Groningen)
PA2046	**The development of a bioengineered composite 3D-printed scaffold for tracheal regeneration.** Cian O'Leary (Dublin 2, Ireland), Tehreem Khalid, Mark Lemoine, Sally-Ann Cryan, Fergal O'Brien
PA2047	**LSC - 2021 - Three-dimensional niches for the physiological-like expansion of a lung mesenchymal stromal cel l subpopulation** Arturo Ibáñez Fonseca (Lund, Sweden), Måns Kadefors (mans.kadefors@med.lu.se / Lung Biology Team, Lund University,Lund), Linda Elowsson Rendin (linda.elowsson_rendin@med.lu.se / Lung Biology Team, Lund University,Lund), Zackarias Söderlund (zackarias.soderlund@med.lu.se / Lung Biology Team, Lund University,Lund), Sara Rolandsson Enes (sara.rolandsson_enes@med.lu.se / Lung Biology Team, Lund University,Lund), José Carlos Rodríguez-Cabello (roca@bioforge.uva.es / BIOFORGE Lab, University of Valladolid - CIBER-BBN,Valladolid), Gunilla Westergren -Thorsson (gunilla.westergren-thorsson@med.lu.se / Lung Biology Team, Lund University,Lund)
PA2048	**LSC - 2021 - Elastin-like-recombinamer cryogel as a platform for lung regeneration** Zackarias Söderlund (Lund, Sweden), Linda Elowsson Rendin (linda.elowsson_rendin@med.lu.se / Lund University,Lund), Solmaz Hajizadeh (solmaz.hajizadeh@tbiokem.lth.se / Lund University,Lund), Emil Tykesson (emil.tykesson@med.lu.se / Lund University,Lund), Arturo Ibáñez-Fonseca (arturo.ibanez-fonseca@med.lu.se / Lund University,Lund), José Carlos Rodríguez-Cabello (roca@bioforge.uva.es / University of Valladolid,Valladolid), Lei Ye (lei.ye@tbiokem.lth.se / Lund University,Lund), Gunilla Westergren-Thorsson (gunilla.westergren-thorsson@med.lu.se / Lund University,Lund)
PA2049	**Modelling immune cell migration in the lung using a microfluidic hydrogel barrier** Lisette van Os (Bern, Switzerland), Olivier Guenat
PA2050	**IL11 negatively impacts adult lung alveolar organoid formation** Rosa K. Kortekaas (Groningue (GR), Netherlands), Janette K. Burgess, Megan Webster, Reinoud Gosens
PA2051	**LSC - 2021 - Modeling idiopathic pulmonary fibrosis using induced pluripotent stem cell-derived alveolar epithelia l organoids** Victoria Ptasinski (Mölndal, Sweden), Susan Monkley (susan.monkley1@astrazeneca.com / Research and Early Development, Respiratory & Immunology, BioPharmaceuticals R&D, AstraZeneca , Gothenburg , Sweden,Gothenburg) , Markus Tammia (markus.tammia@astrazeneca.com / Research and Early Development, Respiratory & Immunology, BioPharmaceuticals R&D, AstraZeneca , Gothenburg , Sweden,Gothenburg) , Karolina Öst (karolina.ost@astrazeneca.com / Research and Early Development, Respiratory & Immunology, BioPharmaceuticals R&D, AstraZeneca , Gothenburg , Sweden,Gothenburg) , Catherine Overed-Sayer (catherine.overed-sayer@astrazeneca.com / Research and Early Development, Respiratory & Immunology, BioPharmaceuticals R&D, AstraZeneca , Cambridge , United Kingdom,Cambridge), Petra Hazon (petra.hazon@astrazeneca.com / Research and Early Development, Respiratory & Immunology, BioPharmaceuticals R&D, AstraZeneca , Gothenburg , Sweden,Gothenburg) , Darcy E Wagner (darcy.wagner@med.lu.se / Department of Experimental Medical Sciences, Lung Bioengineering and Regeneration, Lund University, Lund , Sweden; Wallenberg Center for Molecular Medicine, Lund University, Lund , Sweden; Lund Stem Cell Center, Lund University, Lund , Sweden,Lund) , Lynne A Murray (lynne.murray1@astrazeneca.com / Research and Early Development, Respiratory & Immunology, BioPharmaceuticals R&D, AstraZeneca , Cambridge , United Kingdom,Cambridge)
PA2052	**LSC - 2021 - Lung-on-a-chip device for modelling of ventilator induced lung injury** Emil Rehnberg (Lund, Sweden), Sinem Tas (sinem.tas@med.lu.se / Lung Bioengineering and Regeneration, of Experimental Medical Sciences, Lund University,Lund), Deniz Bölükbas (deniz.bolukbas@med.lu.se / Lung Bioengineering and Regeneration, of Experimental Medical Sciences, Lund University,Lund), Jason Beech (jason.beech@ftf.lth.se / Division of Solid State Physics and NanoLund, Physics Department, Lund University, Box 118,Lund), Hani N. Alsafadi (hani.alsafadi@med.lu.se / Lung Bioengineering and Regeneration, of Experimental Medical Sciences, Lund University,Lund), Isak Sveningsson (isak.svenningsson@gmail.com / Lung Bioengineering and Regeneration, of Experimental Medical Sciences, Lund University,Lund), Martin Arvidsson (nat15mar@student.lu.se / Lung Bioengineering and Regeneration, of Experimental Medical Sciences, Lund University,Lund), Axel Sandberg (axelmanyo@gmail.com / Lung Bioengineering and Regeneration, of Experimental Medical Sciences, Lund University,Lund), Kajsa A. Dahlgren (jur15kd1@student.lu.se / Lung Bioengineering and Regeneration, of Experimental Medical Sciences, Lund University,Lund), Alexander Edthofer (a.edthofer@gmail.com / Lung Bioengineering and Regeneration, of Experimental Medical Sciences, Lund University,Lund), Anna Gustafsson (anna.gustafsson@bme.lth.se / Department of Biomedical Engineering, Lund University,Lund), Hanna Isaksson (hanna.isaksson@bme.lth.se / Department of Biomedical Engineering, Lund University,Lund), Jeffrey A. Wood (j.a.wood@utwente.nl / Soft Matter, Fluidics and Interfaces, MESA+ Institute for Nanotechnology, University of Twente, Enschede , 752222,Enschede) , Jonas O. Tegenfeldt (jonas.tegenfeldt@ftf.lth.se / Division of Solid State Physics and NanoLund, Physics Department, Lund University, Box 118,Lund), Darcy E. Wagner (darcy.wagner@med.lu.se / Lung Bioengineering and Regeneration, of Experimental Medical Sciences, Lund University,Lund)

PA2053 **Inhalation in a breathing lung-on-chip device: Modelling emphysema**
Arunima Sengupta (Aarburg, Switzerland), Nuria Roldan, Magali Schwob, Janick Stucki, Patrick Weindl, Tobias Krebs, Oliver Wisser, Nina Hobi, Olivier Guenat

PA2054 **A patient-derived lung-on-chip model to evaluate on-target/off-tumour toxicity of the therapeutic FOLR1-targeting T-Cell Bispecific antibody**
Giulia Raggi (Bern, Switzerland), Laurène Froment, Virginie Micallef, Nuria Roldan, Lauriane Cabon, Nina Hobi

PA2055 **Late Breaking Abstract - Human lung microbiota-driven differential innate immune landscape**
Sudip Das (Lausanne, Switzerland), Béatrice Tappy, Auriane Form, Philipp Engel

PA2056 **Late Breaking Abstract - Hypoxia-induced cellular responses in lung fibroblasts from COPD patients and controls**
Nora Marek (Lund, Sweden), Martin Ryde, Anna Löfdahl, Leif Bjermer, Gunilla Westergren-Thorsson, Ellen Tufvesson, Anna-Karin Larsson-Callerfelt

PA2057 **Late Breaking Abstract - Long-term Effect of Antithrombin or Argatroban for the Treatment of Acute Lung Injury**
Marta Camprubí-Rimblas (Molins de Rei, Spain), Aina Areny-Balagueró, Elena Campaña-Duel, Luis Morales-Quinteros, Lluís Blanch, Antonio Artigas

PA2058 **Late Breaking Abstract - A comprehensive analysis of endothelial cell markers in pulmonary fibrosis**
Elisabeth Fließer (Graz, Austria), Anna Birnhuber, Panja Böhm, Konrad Hötzenecker, Gabor Kovacs, Horst Olschewski, Grazyna Kwapiszewska

Pre-congress content Session 246 13:15 - 14:15

E-poster: Bronchiectasis

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases

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

Chairs : Holly Rachael Keir (Dundee (Angus), United Kingdom), Wim G. Boersma (Alkmaar, Netherlands)

PA2059 **The prevalence and impact of autoantibodies among people with bronchiectasis: a data analysis of the EMBARC registry**
Michal Shteinberg (Haifa, Israel), Eva Polverino, Pierre-Regis Burgel, Charles Haworth, Katerina Dimakou, Adam Hill, Michael Loebinger, Rosario Menendez, Antony Torres, Tobias Welte, Francesco Blasi, Felix Ringshausen, Anthony De Soyza, Monserrat Vendrell, Amelia Shoemark, Josje Altenburg, Wim Boersma, Robert Wilson, James Chalmers, Stuart Elborn, Stefano Aliberti, Pieter Goeminne

PA2060 **Characterizing Neisseria spp. as novel respiratory pathobionts in bronchiectasis**
Micheál Mac Aogáin (Singapore, Singapore), Li Liang, Tengfei Xu, Tavleen Jaggi, Louisa L Y Chan, Holly R Keir, Alison J Dicker, Jing Qu, Yingzi Liu, Hong Sheng Cheng, Mariko Siyue Koh, Thun How Ong, Albert Lim Yick Hou, John Arputhan Abisheganaden, Teck Boon Low, Brian G Oliver, Nguan Soon Tan, Mingliang Fang, James D Chalmers, Sanjay H Chotirmall

PA2061 **International BEAT-PCD Consensus Statement for infection prevention and control in Primary Ciliary Dyskinesia in collaboration with ERN-LUNG PCD Core Network and patient representatives**
June Kehlet Marthin (Copenhagen, Denmark), Jane Lucas, Mieke Boon, Suzanne Crowley, Carmen Casualta, Damien Ms Destouches , Ernst Eber, Amparo Escribano, Eric Haarman, Claire Hogg, Bernard Maitre, Gemma Marsh, Vendula Martinu, Antonio Moreno-Galdó, Huda Mussaffi, Heymut Omran, Petr Pohunek, Bernhard Rindlisbacher , Phil Robinson, Deborah Snijders, Panayiotis Yiallouros, Wolf Walker, Helle Krogh Johansen, Kim G Nielsen

PA2062 **Characteristics and outcomes of adults with primary ciliary dyskinesia (PCD): an EMBARC/BEAT-PCD analysis**
Amelia Shoemark (Dundee (Angus), United Kingdom), Eva Polverino, Francesco Blasi, Felix C Ringshausen, Anthony De Soyza, Montserrat Vendrell, Pieter C Goeminne, Wim Boersma, Charles S Haworth, Marlene Murris, Katerina Dimakou, Adam T Hill, Micheal L Loebinger, Rosario Menéndez, Antoni Torres, Tobias Welte, Robert Wilson, Stuart Elborn, Stefano Aliberti, James D Chalmers

PA2063 **Home Intravenous Antibiotic Therapy (HIVAT) for adult bronchiectasis patients: safe, efficacious and cost-effective**
Hui Min Chen (Newcastle Upon Tyne, United Kingdom), Helen Simmons, Victoria Bradshaw, Syed Kalam, Emma Kane, George Antunes

PA2064 **Acute exacerbation of bronchiectasis – Experience of a Tunisian pulmonology department**
Hana Mrassi (Tunis, Tunisia), Imen Bachouch, Nourelhouda Khezami, Nidhal Belloumi, Fatma Chermiti, Soraya Fenniche

PA2065 **Features of post-tuberculosis bronchiectasis: Tunisian comparative study**
Hana Mrassi (Tunis, Tunisia), Imen Bachouch, Nourelhouda Khezami, Nidhal Belloumi, Fatma Chermiti, Soraya Fenniche

PA2066 **O'Donnell Criteria as a Score of Bad Prognosis in Hospitalized Patients with Acute Exacerbation of Non-Cystic Fibrosis Bronchiectasis, an Observetional Study**
FATIMA ALHAMED ALDUIHI (Aleppo, Syrian Arab Republic), Abdullah Khoury

PA2067 **Diagnostic value of the Biofire® Filmarray Pneumonia panel compared to conventional sputum culture in patients with an exacerbation of bronchiectasis**
Victoria Alcaraz Serrano (Barcelona, Spain), Patricia Elena Oscanoa Huaman, Rosanel Amaro Rodriguez, Leticia Bueno Freire , Nil Vàzquez, Laia Fernández-Barat, Antoni Torres Martí

PA2068 **Long –term survival after a first hospitalization for bronchiectasis exacerbation**
Blanca Urrutia Royo (Barcelona, Spain), Ignasi García-Olivé, Marina Compte Vives, Carlos Folgado López, Antoni Rosell, Jorge Abad Capa

PA2069 **Assessment of quality of life in patients with bronchiectasis**
HASSENE BAILI (sousse, Tunisia), Imen Touil, Mohamed Bali, Soumaya Bouchareb, Nadia Keskes Boudawara, Yosra Brahem, Souhir Ksissa, Jihene Ayeb, Kneni Jalel, Leila Boussofara

PA2070 **Assessment of anxiety-depression disorders in patients with bronchiectasis**
HASSENE BAILI (sousse, Tunisia), Imen Touil, Mohamed Bali, Soumaya Bouchareb, Nadia Keskes Boudawara, Yosra Brahem, Jihène Ayeb, Souhir Ksissa, Kneni Jalel, Leila Boussofara

PA2071 **Bronchiectasis surgery: indications and risk factors?**
Zied Chaari (Sfax, Tunisia), Abderrahmen Ammar, Walid Abid, Abdessalem Hentati, Imed Frikha

PA2072 **Small-airway dysfunction among non-cystic bronchiectasis patients with different Bronchiectasis Severity Index**
Donghai Ma (Barcelona, Spain), Cuiyan Tan, Changli Tu, Meizhu Chen, Kongqiu Wang, Xiaobin Zheng, Yiying Huang, Zhenguo Wang, Jian Wu, Jin Huang, Jing Liu

PA2073 **Systematic review of lung clearance index (LCI) in non-cystic fibrosis (CF), non-primary ciliary dyskinesia (PCD) bronchiectasis (Bx)**
Christopher Hine (Birmingham, United Kingdom), Christopher Hine, Maya Desai, Jane Davies, Elizabeth Sapey, Prasad Nagakumar

PA2074 **SYSTEMIC INFLAMMATION IN PATIENTS WITH STABLE NON-CYSTIC FIBROSIS BRONCHIECTASIS**
Liyun Qin (Barcelona, Spain), Maria Guitart, Mariela Alvarado-Miranda, Xuejie Wang, Esther Barreiro

PA2075 **LOSS OF MUSCLE MASS AND FUNCTION AND NUTRITIONAL ABNORMALITIES IN PATIENTS WITH BRONCHIECTASIS**
Xuejie Wang (Barcelona, Spain), Ana Balaña-Corberó, Juana Martínez-Llorens, Mariela Alvarado-Miranda, Liyun Qin, Jun Tang, Mireia Admetlló, Esmeralda Hernández-Leal, Antonio Sancho-Muñoz, Xavier Duran, Esther Barreiro

PA2076 **Pulmonary arterial enlargement is a predictor of higher risk of exacerbations in non-cystic fibrosis bronchiectasis patients**
Leonardo Freitas (São Paulo, Brazil), Blenda Nunes, Renato Miranda, Ana Luisa Maia, Samia Rached, Alberto Cukier, Rafael Stelmach, Regina Carvalho Pinto, Rodrigo Athanazio

PA2077 **Predictive factors of bronchiectasis acute exacerbation severity**
Ahmed Ben Saad (Monastir, Tunisia), Rania Kaddoussi, Asma Migaou, Nesrine Fahem, Samah Joobeur, Saousen Cheikh Mhamed, Naceur Rouatbi

Pre-congress content Session 247 13:15 - 14:15

E-poster: Sleep across the lifespan in the new era of COVID - 19

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Sleep and breathing disorders

Method(s) : General respiratory patient care Pulmonary rehabilitation Public health Epidemiology Surgery Physiology

Tag(s) : COVID

Chairs : Stefan Mihaicuta (Timisoara (Timis), Romania), Maria Bonsignore (Palermo, Italy)

PA2078 **Sleep insomnia pattern and COVID-19: a snapshot of in-hospital patients**
Elisa Morrone (gattico-Veruno (NO), Italy), Andrea Giordano, Massimo Pistono, Fabio Cirignotta, Dina Visca, Fabio Angeli, Alberto Braghiroli

PA2079	**Impact of COVID lockdown on mood and sleep quality: Questionnaire-based survey** Tarang Kulkarni (Mumbai (Maharashtra), India), Alpa Dalal, Milind Sovani
PA2080	**Impact of the novel coronavirus (COVID-19) pandemic on sleep** Joerg Steier (London, United Kingdom), Laura Perez-Carbonell, Imran Johan Meurling, Danielle Wassermann, Valentina Gnoni, Guy Leschziner, Anna Weighall, Jason Ellis, Simon Durrant, Alanna Hare
PA2081	**Increased rates of obstructive sleep apnea (OSA) in COVID-19-patients** Markus Hayden (Bad Reichenhall, Germany), Gabriele Schwarzl, Matthias Limbach, Steffen Merkl, Katalin Jakab, Karsten Botosch, Michael Schuler, Dennis Nowak, Konrad Schultz
PA2082	**PREVALENCE AND CHARACTERISTICS OF SAHS PATIENTS ADMITTED FOR COVID-19 PNEUMONIA** Amaia Urrutia Gajate (Bilbao (Bizkaia), Spain), Sonia Castro Quintas, Beatriz Gonzalez Quero, Larraitz Garcia Echeverria, Ana Gomez Larrauri, Valentin Cabriada Nuño
PA2083	**Sleep disorders in healthcare workers(HCWs) working in the frontline during the first wave of the COVID-19 pandemic** Nikolaos Athanasiou (Athens, Greece), Sofia Pappa, Athanasia Pataka, Stamatoula Tsikrika, Dimitra Mpousiou, Stavros Patrinos, Sofia Gida, Ioanna Sigala, Zafeiria Barmparessou, Andreas Adraktas, Ilias Migdalis, Vassilis Vlahakos, Emmanouil Manos, Eleni Aggelonidou, Alexandra Giannou, Mahmoud Abdelrasoul, Louisa Tsagaraki, Anastasios Chatziantoniou, Alexandra Agorogianni, Emmanouil Vagiakis, Paraskevi Katsaounou
PA2084	**Evaluation of sleep disorders among health personnel treated for COVID -19 at Hassan II Hospital in Agadir.** fatiha bounoua (AGADIR, Morocco), Abdelkrim Khannous, Houda Moubachir, Hind Serhane
PA2085	**Sleep apnea patients report neglected care during COVID-19 pandemic** Christina Alexopoulou (Heraklion (Crete), Greece), Dimitrios Kyrou, Dimitra Tsakona, Dimitra Siopi, Anastasia Amfilochiou, Paschalis Steiropoulos, Athanasia Pataka , Athanasios Voulgaris, Georgia Trakada, Athina Georgopoulou, Georgia Varsou, Anastasia Chasiotou, Eumorfia Kondili, Christina Karamanidou, Pantelis Natsiavas, Venetia Tsara
PA2086	**A single centre experience of delivering a fully remote diagnostic and treatment pathway in patients with obstructive sleep apnoea** Andras Bikov (Budapest, Hungary), Safia Khalil, Meg Gibbons, Andrew Bentley, David Jones, Saba Bokhari
PA2087	**Delivering sleep services in the COVID-19 era** Ashwin Rajhan (Stoke On Trent, United Kingdom), Gavin Comber, Matthew Mcgee, Ann Cooper, Ajit Thomas, Martin Allen
PA2088	**Sleep medicine practices in pediatric patients during the Covid-19 pandemic** Birce Sunman (Ankara, Turkey), Nagehan Emiralioglu, Beste Ozsezen, Dilber Ademhan Tural, Halime Nayir Buyuksahin, Ismail Guzelkas, Ebru Yalcin, Deniz Dogru, Nural Kiper, Uğur Özçelik
PA2089	**Ambulatory Sleep Service During the COVID 19 Pandemic - A New Norm?** Ujaas Dawar (Basildon, United Kingdom), Muhammad Shafiq, Basharet Ibrahim, Farayi Ziweya , Johnson Samuel
PA2090	**The long patient´s journey for OSA diagnosis and treatment in a public university hospital in Brazil** Silke Anna Theresa Weber (Botucatu (SP), Brazil), Douglas Inomata, Jefferson Luis De Barros, Antônio Carlos Marão, Leticia D Campos
PA2091	**Repeatability of the Delta 12s index to screen for paediatric obstructive sleep apnoea** Hannah Ferrin (Belfast, United Kingdom), Lauren Quinn, Niamh Galway, Michael D Shields, Dara O'Donoghue
PA2092	**I'M SLEEPY questionnaire as a screening tool for obstructive sleep apnoea-hypopnoea syndrome in children** Andrés Piolatti-Luna (Valencia, Spain), Ana Barrés-Fernández, Sergio Iniesta-González, Ángela Moreno-Palomino, Silvia Castillo-Corrullón
PA2093	**Information-motivation-behavioral skills intervention increases the CPAP adherence in OSAHS patients** YINA WANG (CHANGSHA, China), Yayong Li, Jingjie Kuang, YINA WANG
PA2094	**Effect of educational and supportive interventions on positive airway pressure therapy adherence in patients with obstructive sleep apnea** Burcu Uysaler (izmir, Turkey), Mehmet Sezai Tasbakan, Sebnem Pirildar, Özen K. Basoglu
PA2095	**Investigating the parameters that affect first night CPAP adherence** Ourania Kotsiou (Larissa, Greece), Dimitra Siachpazidou, Vasileios Stavrou, George Vavougios, Zoe Daniil, Evdoxia Gogou, Chaido Pastaka, Nikolas-Tiberio Economou, Chrisi Hatzoglou, Konstantinos Gourgoulianis

PA2096	**Late Breaking Abstract - CPAP treatment in the very elderly with Ostructive Sleep Apnea. Pooled results from two multicenter randomized controlled trials** Thais Carolina Beauperthuy Levy (Valencia, Spain), Grace Jacqueline Oscullo Yepez, Silvia Ponce, Esther Pastor, Belen Orosa, Alonso Martínez, Luis Hernandez, Eusebi Chiner, Laura Vigil, Carmen Carmona, Pablo Catalan, Alfonso Muriel, Mercedes Mayos, Alberto García-Ortega, Jose Gomez-Olivas, Amina Bekki, Rosa Villaescusa, David Gozal, Miguel Ángel Martínez García
PA2097	**Late Breaking Abstract - Plasma metabolomics identifies obstructive sleep apnoea hypopnoea syndrome (OSAHS)** Scott O'Rourke (Bridgend, United Kingdom), Sarah Thomas, Catrin Lewis, Tina Kramaric, Sarah Bowen, Luis Mur, Keir Lewis

Pre-congress content Session 248 13:15 - 14:15

E-poster: Clinical effects of CFTR modulatory therapy and lung inflammation in children with cystic fibrosis

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Respiratory critical care Airway diseases

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

Tag(s) : Digital health

Chairs : Mirjam Stahl (Berlin, Germany), Paul Robinson (Sydney (NSW), Australia)

PA2098	**Real-world effects of lumacaftor/ivacaftor (LUM/IVA) in people with cystic fibrosis (pwCF): interim results of a long-term safety study using US CF Foundation Patient Registry (CFFPR) data** Claire Kim (Boston, United States of America), Christopher Lee, Rachel Zahigian, Nitin Nair, Ase Sewall, Alexander Elbert
PA2099	**Real-world effects of tezacaftor/ivacaftor (TEZ/IVA) in people with cystic fibrosis (pwCF): interim results of a long-term safety study using US CF Foundation Patient Registry (CFFPR) data** Julie Bower (Boston, United States of America), Judy L. Shih, Verena Seliger, Daniel Campbell, Indrias Berhane, Runyu Wu, Alexander Elbert
PA2100	**Observational study of ivacaftor in people with cystic fibrosis and selected non-G551D gating mutations: final results from VOCAL** Nicholas Simmonds (London, United Kingdom), Kors Van Der Ent, Carla Colombo, Nils Kinnman, Cynthia Desouza, Teja Thorat, Keval Chandarana, Carlo Castellani
PA2101	**The impact of Symkevi (Tezacaftor/Ivacaftor) on exercise capacity in adolescents with CF** Molla Imaduddin Ahmed (Leicester (Leicestershire), United Kingdom), Naomi Dayman, Joe Madge, Erol Gaillard
PA2102	**Respiratory microbiology outcomes from an observational study of ivacaftor in people with cystic fibrosis and non-G551D gating mutations (VOCAL)** Carlo Castellani (Genoa, Italy), Nicholas J. Simmonds, Carla Colombo, Nils Kinnman, Cynthia Desouza, Teja Thorat, Marci Chew, Keval Chandarana, Kors Van Der Ent
PA2103	**Effect of CFTR modulators on exercise tolerance and hand grip strength in CF children** Molla Imaduddin Ahmed (Leicester (Leicestershire), United Kingdom), Karen Dixon, Rebekah Butcher, Naomi Dayman, Erol Gaillard
PA2104	**LSC - 2021 - Effect of elexacaftor-tezacaftor-ivacaftor on pulmonary and endothelial function in a patient wit h advanced cystic fibrosis** Saša Rink (Ljubljana, Slovenia), Miodrag Janic (mjanic@gmail.com / Department for endocrinology, diabetes and metabolic diseases, University Medical Centre,Ljubljana), Mojca Lunder (mojca.lunder@kclj.si / Department for endocrinology, diabetes and metabolic diseases, University Medical Centre,Ljubljana), Mišo Šabovic (miso.sabovic@kclj.si / Department of vascular diseases, University Medical Centre,Ljubljana), Barbara Salobir (barbara.salobir.pulmo@kclj.si / Department of pulmonology, University Medical Centre,Ljubljana)
PA2105	**TNF and LTA gene polymorphisms in cystic fibrosis patients with Burkholderia cepacia complex (Bcc)** Vassiliy Shmarin (Moscow, Russian Federation), Daria Pukhalskaya, Tatiana Bukina, Stanislav Krasovsky, Sergey Semykin, Maria Usacheva, Lucine Avakian, Nataliya Kashirskaya, Galina Shmarina, Vladimir Alioshkin
PA2106	**Inflammation in cystic fibrosis patients: study of the eicosanoid pathway and severity correlations.** Silvia Gartner (Barcelona, Spain), Paula Fernandez-Alvarez, Isabel Lima, Sandra Rovira, César Picado, Elena Garcia-Arumí, Inés De Mir, Alba Torrent, Antonio Moreno, Ignacio Iglesias, Eduardo Tizzano

PA2107 **The persistence of Nontypeable Haemophilus Influenzae fuels type 17 immunity in the lung**
Nicola Ivan Lore' (Milano (MI), Italy), Fabio Saliu, Giulia Rizzo, Alessandra Bragonzi, Lisa Cariani, Daniela M. Cirillo, Carla Colombo, Valeria Daccò, Daniela Girelli, Sara Rizzetto, Cristina Cigana

Pre-congress content Session 249 13:15 - 14:15

E-poster: New approaches to pulmonary rehabilitation and chronic care

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

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

Tag(s) : COVID, Digital health

Chairs : Audrey Borghi Silva (São Carlos (SP), Brazil), Anja Frei (Zürich, Switzerland)

PA2108 **Clinical and economic benefits of HMV telemonitoring in Brazil**
Claudia Simeire Albertini (São Paulo (SP), Brazil), Luiz Vidigal, Renato Prado Junior, Andressa Silva, Sarah Souza, Ruy Pires-Neto, Vinicius Pafume, Carlos Rochi

PA2109 **Functional Exercise Capacity in Patients with COVID-19: Telerehabilitation improves functional exercise capacity of COVID-19 patients**
Inés Martín Corrons (Woluwe Saint Lambert, Belgium), William Poncin, Fred Braem, Lia Baudet, Stephane Fizaine, Frank Aboubakar, Antoine Froidure, Charles Pilette, Giuseppe Liistro, Julien Degreef, Halil Yildiz, Lucie Pothen, Jean-Cyr Yombi, Leila Belkhir, Gregory Reychler

PA2110 **Role of Telemedicine in post-COVID pulmonary rehabilitation**
Tarang Kulkarni (Mumbai (Maharashtra), India), Ankita Asher, Manas Mengar, Alpa Dalal

PA2111 **Emerging Pulmonary Rehabilitation (PR) in the digital world**
Samantha Pilsworth (Liverpool (Merseyside), United Kingdom), Samantha Pilsworth, Rachelle Gorman, Laura Pearson, David Barber, Helen Tickle, Max Bettany, Michela Zanzi, Linda Jones, Veronica Breardwood

PA2112 **Six-minute walk test and telemonitoring of daily activities compared: implications to clinical interventions guided by oximetry.**
Catarina Duarte Santos (Almada, Portugal), Ana Santos, Rui César Das Neves, Ruy M. Ribeiro, Fátima Rodrigues, Cátia Caneiras, Martijn A. Spruit, Cristina Bárbara

PA2113 **Adherence to home-based pulmonary rehabilitation among COPD patients**
Vitalii Poberezhets (Vinnytsia, Ukraine), Anna Demchuk, Yuriy Mostovoy

PA2114 **A machine learning approach to suspect excessive inactivity in COPD patients using non-activity-related clinical data**
Bernard Aguilaniu (Grenoble, France), Eric Kelkel, Anne Rigal, David Hess, Amandine Briault, Marie Destors, Jacques Boutros, Pei Zhi Li, Anestis Antoniadis

PA2115 **Economic evaluation of the British Lung Foundation Active Steps service**
Colin Ridyard (Pentraeth, United Kingdom), Arwel Jones, Hayley Robinson, Mark Saunders, Amanda Brewster, Graham Law, Niroshan Siriwardena, Jenna Peel, Joel Shopland, Claire Wilson, Susan Frizzell, Jan Swan, Abi Dean, Mark Hinchliffe, Murray Smith

PA2116 **Virtual pulmonary rehabilitation: virtual reality or virtual insanity?**
Kate Devenney (Dublin, Ireland), Ciara Gleeson

PA2117 **Laboratory components of pylmonary rehabilitation (PR) efficiency assessment in patients with COPD**
Bohdana Basina (Dnipropetrovsk, Ukraine), L Konopkina, K Bielosludtseva, N Kravchenko, T Kirieieva

PA2118 **Results from a multidisciplinary rehabilitation program with patients post-COVID-19 infection.**
Luiz Carlos Custodio Fontana (Criciúma, Brazil), Gustavo Bernardo, Carla De Oliveira Bernardo, Jamile De Assis Vieira, Fernando Milanez Dias, Bruno Minotto Bom, Douglas José Nazario

PA2119 **Late Breaking Abstract - Outpatient pulmonary rehabilitation in patients with long COVID**
Stephan Nopp (Vienna, Austria), Florian Moik, Frederikus A. Klok, Dietlinde Gattinger, Milos Petrovic, Karin Vonbank, Andreas R. Koczulla, Cihan Ay, Ralf Zwick

PA2120 **Admission Avoidance and Early Supported Discharge with Home Monitoring in COVID-19 Patients**
Marcus Anthony Pittman (Basildon (Essex), United Kingdom), Angela Marney, Matilda Boa, Anthony Schirn, Fawad Ali

PA2121	**Between-day reliability of a novel incremental step test to assess exercise capacity in COPD patients.** Rui Vilarinho (Maia, Portugal), Rui Vilarinho, Lúcia Serra, Cátia Esteves, Cátia Caneiras, António Mesquita Montes
PA2122	**Acute exacerbation of COPD patients therapy priorities: A survey study** Bedor Alkhathlan (Leicester, United Kingdom), Neil Greening, Theresa Harvey-Dunstan, Sally Singh
PA2123	**Impact of a home-based rehabilitation program on functional respiratory parameters and quality of life in COPD patients** Nidhal Belloumi (la manouba, Tunisia), Meriem Hamdi, Imen Bachouche, Chaima Habbouria, Fatma Chermiti, Soraya Fenniche
PA2124	**The impact of COVID-19 shielding on levels of physical activity and health-related quality of life in COPD patients following pulmonary rehabilitation** Emily Hume (Newcastle Upon Tyne, United Kingdom), Matthew Armstrong, James Manifield, Laura Mcneillie, Francesca Chambers, Lynsey Wakenshaw, Graham Burns, Karen Heslop Marshall, Ioannis Vogiatzis
PA2125	**Role of Pulmonary Rehabilitation (PR) on clinical care in patients with advance Interstitial Lung Diseases. Does it make any difference?** Ayaz Mohammad Khan (Riyadh 11426, Saudi Arabia), Rajkumar Rajendram, Hamdan Aljahdali, Abdullah Harbi, Majed Alghamdi, Sarah Alrasheed, Mohammad Hamadi, Basema Alghamdi, Suleiman Alrahji
PA2126	**To explore the prevalence and impact of hip and/or knee pain in patients presenting for Pulmonary Rehabilitation** Samuel Briggs-Price (Leicester, United Kingdom), Enya Daynes, Olivia Revitt, Linzy Houchen-Wolloff, Sally Singh
PA2127	**Late Breaking Abstract - Reported outcomes in patients referred with persisting respiratory symptoms following non-hospitalised COVID-19** Theresa Harvey-Dunstan (Loughborough (Leicestershire), United Kingdom), Alex Jenkins, Ayushman Gupta, Ian Hall, Charlotte Bolton

Pre-congress content Session 250 13:15 - 14:15

E-poster: Pharmacology of airway diseases: clinical and laboratory studies

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases Respiratory critical care

Method(s) : Pulmonary rehabilitation Cell and molecular biology Endoscopy and interventional pulmonology Public health

Chairs : Andrew Higham (Manchester (Greater Manchester), United Kingdom), Gaetano Caramori (Messina (ME), Italy)

PA2128	**GRC39815-A novel inhaled ROR?t inhibitor as a potential first in class treatment option for COPD** Abhay Kulkarni (NAVI MUMBAI (Maharashtra), India), Sanjib Das, Sandeep Shelke, Shailesh Pardeshi, Malini Bajpai, Varada Potdar, Sheetal Kadam, Vikram Bhosale, Hansraj Patil, Dayanidhi Behera, Venkatesha Udupa, K.R. Vinod, Cynthia Caracta, Pravin Iyer
PA2129	**Beclomethasone, formoterol and glycopyrronium: synergy of dual and triple combinations in an ex vivo model of COPD exacerbation** Luigino Calzetta (Roma (RM), Italy), Ermanno Puxeddu, Francesco Facciolo, Paola Rogliani
PA2130	**Adding glycopyrronium to beclomethasone/formoterol combination: synergistic effect on human medium bronchi of COPD donors** Paola Rogliani (Roma (RM), Italy), Josuel Ora, Andrea Girolami, Immacolata Rossi, Ilaria De Guido, Francesco Facciolo, Mario Cazzola, Luigino Calzetta
PA2131	**Impact of Bronchial Rheoplasty on exacerbations in chronic bronchitis: a US feasibility study** Victor Kim (Philadelphia, United States of America), Gerard Criner, Frank Sciurba, Alejandro Comellas, Adnan Majid, Kyle Hogarth, Nathaniel Marchetti, Mark Dransfield
PA2132	**Bronchial Rheoplasty improves respiratory and sleep symptoms in chronic bronchitis** Victor Kim (Philadelphia, United States of America), William Krimsky, Brett Bannan
PA2133	**Exploring the molecular potential of bacterial lysates to reduce COVID-19 susceptibility of bronchial epithelial cells in vitro** Lei Fang (Basel, Switzerland), Lei Fang, Liang Zhou, Michael Tamm, Michael Roth
PA2134	**Carvacrol improved systemic inflammation and oxidative stress induced by inhaled paraquat in rats: The possible role of PPAR? receptors** Mohammad Hossein Boskabady (Mashhad, Islamic Republic of Iran), Fatemeh Amin, Arghavan Memarzia

PA2135 **Nigella sativa and its constituent thymoquinone ameliorates lung inflammation and pathological changes observed in lipopolysaccharide-induced lung injury**
Mohammad Hossein Boskabady (Mashhad, Islamic Republic of Iran), Amin Mokhtari-Zaer, Mostafa Boskabady Boskabady

PA2136 **Imiquimod shows anti-viral actions in human bronchial epithelium - implications for COVID-19 treatment**
Sofia Magdalena Tillgren (Ramlösa, Sweden), Juan José Nieto Fontarigo , Samuel Cerps, Morten Hvidtfeldt, Asger Sverrild, Celeste Porsbjerg, Lena Uller

PA2137 **The effect of fluconazole on the pharmacokinetics of ensifentrine in healthy individuals**
Tara Rheault (Raleigh, United States of America), Tara Rheault, Martin Kankam, John Ayrton, Thomas Bengtsson, Kathleen Rickard

PA2138 **1-?-alkyl-glycerols Reduce Level of Inflammatory Cytokines In Obese Asthma**
Yulia Denisenko (Vladivostok, Russian Federation), Marina Antonyuk, Alla Yurenko , Tatyana Novgorodtseva, Tatyana Gvozdenko , Elena Mineeva , Karolina Sidletskaya , Julliy Perelman , Anna Prikhodko

PA2139 **The Impact of Conjugated Pneumococcal Vaccine on Exacerbation Frequency in Patients with COPD**
Yelda Varol (Izmir, Turkey), Zeynep Öndeş, Ali Kadri Cirak, Burcin Hakoglu, Serpil Tekgul

Pre-congress content Session 251 13:15 - 14:15

E-poster: Lung disease burden and management

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

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

Chairs : Giovanni Viegi (Pisa (PI), Italy), Om Prakash Kurmi (Coventry, United Kingdom)

PA2140 **Indoor microbial environment and asthma outcomes in childhood**
Annabelle Bédard (Villejuif Cedex, France), Steffi Rocchi, Sadia Khan, Marie-Noelle Dufourg, Marie-Christine Delmas, Marie-Aline Charles, Emeline Scherer, Gabriel Reboux, Chantal Raherison-Semjen, Laurence Millon, Bénédicte Leynaert

PA2141 **Asthma in elite athletes – a non-Type 2 disease**
Søren Rasmussen (Vejle, Denmark), Erik Sören Halvard Hansen, Trine Stensrud, Katja Radon, Marek Kowalski, Marcin Kurowski , Jean Bousquet, Sergio Bonini, Matteo Bonini, Luís Delgado, André Moreira , Franchek Drobnik, Sofia Vakali, Nikos Papadoupolous , Christina Gratziou, Pekka Malmberg , Tari Haahtela, Mikko Voutilainen , Vibeke Backer

PA2142 **Estimating the prevalence of undiagnosed inducible laryngeal obstruction within a severe asthma cohort**
Elise Akerman (Birmingham, United Kingdom), Naomi Atkins, Benjamin Sutton, Nicola Pargeter

PA2143 **Exploring inflammation-related plasma biomarkers in young adults with allergic- or non-allergic asthma**
Sophia Björkander (Stockholm, Sweden), Susanna Klevebro, Maura Kere, Olena Gruzieva, Maria Mikus, Marianne Van Hage, Sven-Erik Dahlén, Antonis Georgellis, Anna Bergström, Inger Kull, Erik Melén

PA2144 **Upbringing in cities is associated with an increased risk of asthma in adulthood**
Howraman Meteran (København, Denmark), Vibeke Backer, Simon Francis Thomsen, Jacob Hjelmborg, Torben Sigsgaard

PA2145 **Use of inhaled anti-asthma therapies following hormone therapy in women: A register-based cohort study**
Erik Sören Halvard Hansen (Valby, Denmark), Kristian Aasbjerg, Amalie Lykkemark Moeller, Amani Meaidi, Elisabeth Juul Gade, Christian Torp-Pedersen, Vibeke Backer

PA2146 **The risk of depression in twin pairs discordant for asthma in a nationwide study**
Howraman Meteran (København, Denmark), Simon Francis Thomsen, Torben Sigsgaard, Jacob Hjelmborg, Vibeke Backer

PA2147 **LSC - 2021 - Associations between pediatric asthma and adult lung diseases**
Nirmin Juber (Jakarta, Indonesia), Jason Liu (aimarnrm@gmail.com / National Yang-Ming University,Taipei)

PA2148 **Late Breaking Abstract - Shared genetic origins of obesity and poor ICS response in children with asthma**
Cristina Longo (Laval, Canada), Erick Forno, Andreas Boeck, Juan Celedon, Wei Chen, Raquel Granell, Michael Salvermoser, Bianca Schaub, Stephen Turner, Suzanne Vijverberg, Anke-Hilse Maitland-Van Der Zee

PA2149 **Prevalence and severity of multidimensional breathlessness among elderly men in the population.**
Max Olsson (Helsingborg, Sweden), David C Currow, Miriam J Johnson, Jacob Sandberg, Gunnar Engström, Magnus Ekström

PA2150 **Physical activity and symptom burden in COPD: The Canadian Cohort Obstructive Lung Disease (CanCOLD) study**
Loes Oostrik ('s-Gravenhage, Netherlands), Jean Bourbeau, Dany Doiron, Bryan Ross, Pei Zhi-Li, Tania Janaudis- Ferreira

PA2151 **Use of inhaled corticosteroids and the risk of depressive symptoms in patients with chronic obstructive pulmonary disease**
Alexander Jordan (Copenhagen N, Denmark), Pradeesh Sivapalan, Josefin Ëklof, Jacob Vestergaard, Howraman Meteran, Mohamad Isam Saeed, Tor Biering-Sørensen, Anders Løkke, Filip Krag Knop, Niels Seersholm, Jens Ulrik Stæhr Jensen

PA2152 **Severe a1-antitrypsin deficiency associated with reduced blood pressure and lower plasma triglycerides in the general population**
Sine V Winther (Køge, Denmark), Eskild M Landt, Børge G Nordestgaard, Niels Seersholm, Morten Dahl

PA2153 **COPD - Impact on Mortality in Locals with and without Specific Medication**
Telma de Cassia dos Santos Nery (São Paulo (SP), Brazil), Naiara Santos Bispo, Rafael Stelmach

PA2154 **Prevalence of chronic obstructive pulmonary diseases with acute exacerbation and its associated factors treated by out-of-hospital emergencies in Madrid**
ANA MARÍA CINTORA (Alcobendas, Spain), Cristina Horrillo, Alicia Gutierrez, Eva Teresa Robledi, Ana Maria Perez

PA2155 **Comorbidity of adult asthma and gastroesophageal reflux disease in a large twin cohort: the role of genes and affective traits.**
Bronwyn Brew Haasdyk (Sydney (NSW), Australia), Catarina Almqvist, Cecilia Lundholm, Anna Andreasson, Kelli Lehto, Nicholas Talley, Tong Gong

PA2156 **Overview of hospital care of elderly patients with coronavirus infection in COVID unit in Slovenia.**
Jurij Regvat (maribor, Slovenia), Jurij Regvat, Ilonka Osrajnik, Iztok Fošnarič

PA2157 **Late Breaking Abstract - COVID-19 Infodemic and Health-Related Quality of Life (HRQoL) in Patients with Chronic Respiratory Diseases (CRDs)**
Subhabrata Moitra (Edmonton, Canada), Augustus Anderson, Ana Adan, Metin Akgün, Amanda Brickstock, Anne-Elie Carsin, Allie Eathorne, Dina Fathy, Aditya Jindal, Surinder Jindal, Bugra Kerget, Lyle Melenka, Saibal Moitra, Rahul Mukherjee, Nicola Murgia, Alex Semprini, Ali Farshchi Tabrizi, Alice M. Turner, Paige Lacy

PA2158 **Late Breaking Abstract - Severe Asthma Prevalence, Care Pathways, and Health Care Resource Utilization in France**
Arnaud Bourdin (Montpellier Cedex 5, France), Pascal Chanez, Aurélien Belluye, Mathilde Brun, Laura Pillot, Caroline Fabry-Vendrand, Camille Taillé

PA2159 **Late Breaking Abstract - Oral corticosteroid (OCS) risk predictor for osteoporosis**
Brooklyn Stanley (One Shenton, Singapore), Jatin Chapaneri, Trung Tran, Ekaterina Maslova, Victoria Carter, David Price

Pre-congress content Session 252 13:15 - 14:15

E-poster: Early-life infections, wheezing and asthma

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Disease(s) : Airway diseases Respiratory critical care

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

Tag(s) : Digital health

Chairs : Samatha Sonnappa (London, United Kingdom), Nicola Ullmann (Roma (RM), Italy)

PA2160 **Caregiver burden in paediatric asthma and preschool wheeze and the role of asthma education**
Ember Lu (Philadelphia, United States of America), Simona Boccaletti, Tom Keeley, Anna Richards

PA2161 **Mitochondria are involved in bronchial smooth muscle remodeling in severe preschool wheezers**
Fabien Beaufils (Bordeaux, France), Pauline Esteves, Raphaël Enaud, Ophélie Germande, Alexis Celle, Roger Marthan, Thomas Trian, Michael Fayon, Patrick Berger

PA2162 **Three years' follow up: relationship of maternal depression and anxiety with ever-wheezing**
Ozge Yilmaz (Manisa, Turkey), Adem Yasar, Merve Ocalan, Pinar Ay, Tunc Alkin, Solmaz Hasdemir, Hasan Yuksel

PA2163 **Severity scores published for acute wheeze in preschool children: a systematic review**
Emma Wilkinson (Liverpool, United Kingdom), William Bedson, Paul Mcnamara, Daniel Hawcutt

PA2164	**How does the Canadian Acute Respiratory Illness and Flu Scale relate to other scales in paediatric asthma exacerbations?** Laurel Teoh (QLD, Australia), Mark Chatfield, Jason Acworth, Gabrielle Mccallum, Anne Chang
PA2165	**Identification of two distinct microbial enterophenotypes in children with moderate-to-severe asthma: results from the SysPharmPediA study** Mahmoud Ismael Abdel-Aziz (Amsterdam, Netherlands), Anne H. Neerincx, Susanne J. H. Vijverberg, Simone Hashimoto, Mario Gorenjak, Antoaneta A. Toncheva, Parastoo Kheiroddin, 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, Anke H. Maitland-Van Der Zee
PA2166	**Clustering children by throat swabs identifies asthma-related patterns.** Martin Depner (Neuherberg, Germany), Giulia Pagani, Andreas Boeck, Bärbel Fösel, Kathrin Zeber, Kathrin Urner, Michael Schloter, Erika Von Mutius, Bianca Schaub
PA2167	**Severe asthma in children: shall we carry out systematic bronchoalveolar lavage?** Raja Ben Tkhayat (Paris, France), Jocelyne Just, Nadia Nathan
PA2168	**Respiratory infections in infancy are associated with pre-school asthma** Maria Medeleanu (Toronto, Canada), Myrtha E. Reyna, Kozeta Miliku, Theo Moraes, Padmaja Subbarao
PA2169	**Management of children aged 1-5 admitted and treated for a clinical diagnosis of acute asthma compared to those aged 6-16 in secondary care in England and Wales.** Alexander Adamson (London, United Kingdom), Ian Sinha, C Mike Roberts, Jennifer K Quint
PA2170	**Association of serum IgE level with wheezing phenotype in preschool children: A cross-sectional study** Prawin Kumar (Jodhpur (Rajasthan), India), Jagdish Goyal, Shrimanjunath Sankanagoudar, Vibhor Tak, Daisy Khera, Kuldeep Singh
PA2171	**Using quality improvement project to improve childhood asthma outcomes in low resource setting** Justus Simba (Thika, Kenya), Caren Emadau, Patrick Mburugu, Julian Wachira, Miriam Moseti, Beatrice Kamau, Florence Nduate, Sarah Mayell, Francis Ogaro, Ian Sinha
PA2172	**Childhood asthma care in a secondary hospital in Kenya: Parental perceptions from a quality improvement project** Justus Simba (Thika, Kenya), Caren Emadau, Patrick Mburugu, Julian Wachira, Esther Mwangi, Josephine Aritho, Francis Ogaro, Ian Sinha
PA2173	**Effect of zinc supplementation in children with asthma** Sajith Jayasree Sadanandan (TRIVANDRUM (KERALA), India)
PA2174	**Influence of VDR gene polymorphisms on vitamin D supply in patients with bronchial asthma in the Russian Federation** Elena Loshkova (Tomsk, Russian Federation), Elena Kondratyeva, Yuri Mizernitsky, Natalia Ilyenkova, Svetlana Dyakova , Elena Zhekaite, Vladimir Chikunov, Leonid Klimov, Svetlana Dolbnya, Victoria Kuryaninova, Julia Melianovskaya, Aisa Zodbinova
PA2175	**Computed tomography (CT) in children with long-term synonasal symptoms (SNS).** Igor A. Klimanov (Moscow, Russian Federation), Mariya Gluhova, Nikolay Eruslankin, Kirill Grachev, Georgii Ignatov, Svetlanaasilnikova Krasilnikova, Tatyana Eliseeva, Vilya Bulgakova , Natalia Popova

Pre-congress content Session 253 13:15 - 14:15

E-poster: Screening, diagnosis, management and prognosis of lung cancer

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Thoracic oncology Airway diseases

Method(s) : General respiratory patient care Public health Surgery Epidemiology Cell and molecular biology Palliative care Endoscopy and interventional pulmonology Imaging

Chairs : Fernando Gamarra (Straubing, Germany), Wouter H. van Geffen (Leeuwarden, Netherlands)

PA2176	**A basic prediction model with clinical parameters to diagnose lung cancer.** Marianne van Engeland (Enschede, Netherlands), Sharina Kort, Job Van Der Palen
PA2177	**Proportion of incident lung cancers that would have been eligible for a lung cancer screening program in Australia** Marianne Turner (Sydney (NSW), Australia), Lillian Smyth, Nicole Taylor, Stuart Schembri

PA2178	**DR-70, A promising biomarker for the detection of lung cancer>** Aysu Sinem Koç (Izmir, Turkey), Güler Özgül, Demet Turan, Suat Hayri Küçük, Şule Özsoy, Kürşad Nuri Baydili, Eray Metin Güler, Mehmet Akif Özgül, Zeynep Eğri Kansu, Ekrem Cengiz Seyhan
PA2179	**Impact of a lung cancer screening programme on a London hospital service** Elizabeth Thompson (London, United Kingdom), Elizabeth Thompson, Will Ricketts, Stephanie Uys, Lianne Castle
PA2180	**Lung nodules: a diagnosis' challenge in Pulmonology** Mariana Ramos Martins (Faro, Portugal), Cláudia Freitas, David Coelho, Catarina Sousa, Vanessa Santos, José Miguel Pereira, Conceição Souto-Moura, Venceslau Hespanhol
PA2181	**Non-small-cell lung cancer molecular typification using Next-generation sequencing in cytological samples from EBUS-TBNA** Blanca Urrutia Royo (Barcelona, Spain), Carmen Centeno Clemente, José Luis Mate Sanz, Enric Carcereny Costa, Pere Serra Mitja, Marta Ávila Terzi, Rachid Tazi Mezalek, Antoni Rosell Gratacos, Felipe Andreo Garcia
PA2182	**Iodine-125 seed brachytherapy combined with pembrolizumab for advanced non-small-cell lung cancer after failure of first-line chemotherapy.** Mingli Yuan (Wuhan, China), Yi Hu, Liangchao Wang, Yang Xiao, Xiaoqun Guo
PA2183	**Alpha-1 antitrypsin deficiency and lung cancer: Description of a cohort of patients in northwestern Spain** Ramon Antonio Tubio Perez (Vigo, Pontevedra, Spain), María Torres Durán, Esmeralda Garcia Rodriguez, Raquel Dacal Quintas, Jose Abal Arca, Isaura Parente Lamelas, Carlos Vilariño Pombo, Alberto Ruano Raviña, Alberto Fernandez Villar
PA2184	**LUNG ADENOCARCINOMA: CLINICAL CHARACTERISTICS, MOLECULAR STUDY, DIAGNOSIS AND TREATMENT.** Fernando Garcia (Getafe, Spain), Maria Teresa Rio Ramirez, Ana Sanchez Peña , Jose Maria Diaz Garcia, Beatriz Raboso Moreno, Adriana Rodriguez Perojo, Araceli Abad Fernandez
PA2185	**Epithelioid hemangioendothelioma of the lungs: 24 cases** Tatyana Novitskaya (St. Petersburg, Russian Federation), Ivetta Dvorakovskaya, Boris Ariel, Lyudmila Novikova, Sergey Bugrov
PA2186	**Prognostic Value of 18F-Fluorodeoxyglucose Uptake of Bone Marrowon PET/CT in Patients with Limited Disease Small Cell LungCancer** Merve Ayık Türk (İzmir, Turkey), Berna Kömürcüoğlu, Ahmet Yanarateş, Mehmet Ufuk Yılmaz
PA2187	**Radial endobronchial ultrasound guided transbronchial cryobiopsy with fluoroscopy in the diagnosis of peripheral lung tumor: experience of the Hospital of Lithuanian University of Health Sciences Kauno Klinikos** Vytautas Ankudavicius (Kaunas, Lithuania), Marius Zemaitis, Skaidrius Miliauskas
PA2188	**First hospitalization in lung cancer patients – is timing important?** Mariana Conde (Guimarães, Portugal), Sara Raimundo, Maria Brandão, Catarina Parra, Artur Vale, Ana Fernandes
PA2189	**Impact of PD-L1 expression levels on the response to pembrolizumab in metastatic non-small cell lung cancer>** João Nunes Caldeira Marinho Matos (Ponta Delgada, Portugal), Sofia Rodrigues Sousa, Ana Maria Figueiredo, Alice Pego, Fernando Barata
PA2190	**The importance of the disease-free survival (DFS) endpoint to survivors of lung cancer** Andrea Bever (Squamish, Canada), Jackie Manthorne, Tissa Rahim, Layla Moumin, Karissa Johnston, Shelagh Szabo
PA2191	**Respiratory symptoms in lung cancer survivors after one-year radiotherapy treatment** Alejandro Heredia Ciuró (Granada, Spain), Jose-Carlos Villen-Villen, Antonio Lazo-Prados, Janet Remedios-Torres, Esther Prados-Roman, Marie-Carmen Valenza

Pre-congress content Session 254 13:15 - 14:15

E-poster: Cystic fibrosis

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases

Method(s) : Imaging Cell and molecular biology General respiratory patient care Endoscopy and interventional pulmonology Transplantation Pulmonary rehabilitation

Chairs : Predrag Minic (Beograd, Republic of Serbia), Harry G.M. Heijerman (Utrecht, Netherlands)

PA2192 **Functional respiratory imaging assessment of the aerosol deposition of inhaled levofloxacin in cystic fibrosis lungs**
Claudio Procaccianti (MILAN, Italy), Carsten Schwarz, Dennis Belmans, Benjamin Mignot, Nicolas Schwenck, Xabier Murgia, Federico Bianco

PA2193 **In vitro effect of combined hypertonic saline and salbutamol on ciliary beat frequency of human nasal epithelial cells**
Loretta Müller (Bern, Switzerland), Anaïs Escher, Philipp Latzin, Carmen Casaulta

PA2194 **New algorithm of antibiotic selection reveals the abundance and reduces bacterial load in sputum of adult patients with cystic fibrosis.**
Maria Vecherkovskaya (Saint Petersburg, Russian Federation), George Tetz, Cristina Kardava, Tatyana Gembitskaya, Victor Tetz

PA2195 **Assessment of NuvoAir platform use on clinical outcomes in adults with cystic fibrosis: a first Italian experience**
Daniela Savi (Rome, Italy), Vincenzo Carnovale, Paola Iacotucci, Pietro Medio, Lorenza Ferrillo, Serena Buonaurio, Marcella D'Ippolito, Assunta Celardo, Steven Coughlin

PA2196 **Evaluation of the tolerability of the dornase alfa based on the results of a multicenter scientific program of post-marketing use of the medicine**
Vera Shadrina (Perm, Russian Federation), Elena Kondratyeva, Evgeny Furman, Anna Voronkova, Viktoriya Sherman, Elena Zhekaite, Olga Simanova , Alexander Malakhov, Maria Mukhina , Elena Yakushina , Olga Vysokolova , Natalya Ilyenkova, Svetlana Trishina, Julia Pinegina , Tatiana Safonova , Elena Vasilyeva , Olga Golubtsova

PA2197 **Nontuberculous mycobacteria (NTM) in Cystic fibrosis (CF) patients over the last decade: real-life data from Verona CF center**
Francesca Lucca (Verona, Italy), Giulia Cucchetto, Sonia Volpi, Marco Cipolli

PA2198 **Propofol sedation in lung transplant recipients: the impact of cystic fibrosis.**
Marco Damin (Padova (PD), Italy), Davide Biondini, Mariaenrica Tine, Elisabetta Cocconcelli, Michele Rizzo, Giulia Andreotti, Nicola Malacchini, Simone Petrarulo, Federico Lionello, Manuel G. Cosio, Marina Saetta

Pre-congress content Session 255 13:15 - 14:15

E-poster: An update on respiratory physiotherapy and respiratory muscle function and training

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

Method(s) : Pulmonary function testing | Pulmonary rehabilitation | Respiratory intensive care | Physiology | General respiratory patient care | Imaging

Chairs : Abraham Samuel Babu (Manipal (Karnataka), India), Michelle Chatwin (London, United Kingdom)

PA2199 **Airway clearance practice in people with bronchiectasis: A Northern Ireland (NI) survey**
Judy Bradley (BELFAST, United Kingdom), Katherine O'Neill, Brenda O'Neill, Jeanette Boyd, Rebecca Mc Grath, James. D. Chalmers, Anthony De Soyza

PA2200 **Presence of Respiratory Physiotherapy in Spanish pediatric Intensive Care Units**
Ana Lista Paz (A Coruña, Spain), Laura Torreiro Diéguez, Daní Martí Romeu, Sonia Souto Camba, Luz González Doniz, Mariona Farrés Tarafa

PA2201 **Intrapulmonary percussive ventilation in critical care: a systematic review and meta-analysis**
Anwar Hassan (Glenmore Park, Australia), William Lai, Jennifer Alison, Stephen Huang, Maree Milross

PA2202 **IMPACT OF NON-INVASIVE VENTILATION IMMEDIATELY AFTER EXTUBATION ON CLINICAL AND FUNCTIONAL OUTCOMES IN PATIENTS SUBMITTED TO CORONARY ARTERY BYPASS GRAFTING: CLINICAL TRIAL**
Andre Luiz Cordeiro (Feira De Santana (BA), Brazil), Carolina Silva, Kênia Lima, Mayana Santana, André Guimarães, Patrícia Forestieri, Luiz Alberto Forgiarini

PA2203 **Outcomes of physiotherapy management in children and young people (CYP) with breathing pattern disorders (BPD)**
Naomi Parsons (Coventry, United Kingdom), Prasad Nagakumar, Jamila Tomlinson, Susan Frost, Ben Davies, Satish Rao

PA2204 **Hold your breath again: Exploring dysfunctional breathing assessments in healthy individuals**
Laís Vidotto (London, United Kingdom), Celso Ricardo Fernandes De Carvalho, Costas I. Carageorghis, Panagiota Smyrni

PA2205 **Acute effects of Threshold Inspiratory Muscle Training on sputum volume, pulmonary functions and length of hospital stay among patients with COPD in a tertiary health care set up of a low-middle income country- A Pilot Randomized Control Trial**
Quinette Ribeiro (Thane, India), Cherishma Dsilva, Don Gregory Mascerenhas , Sydney Rebello

PA2206 **The Results of Functional Magnetic Resonance Imaging of High Intensity-Inspiratory Muscle Training**
Naciye Vardar Yağlı (Ankara, Turkey), Melda Saglam, Hacer Daşgın, Kader Karlı Oğuz

PA2207 **Comparison of the effects of inspiratory muscle training and neuromuscular electrical stimulation of the diaphragm in intubated patients**
Ali Yalman, Orçin Telli Atalay, Hülya Sungurtekin, Cansu Özgen, Harun Taşkın

PA2208 **The effects of inspiratory muscle training on respiratory muscle strength and diaphragm motion in patients with mechanical ventilator**
Harun Taskin, Orcin Telli Atalay, Furkan Ufuk, Hülya Sungurtekin, Yeliz Bilir, Ali Yalman

PA2209 **INSPIRATORY MUSCLE TRAINING IN PATIENTS IN THE POSTOPERATIVE OF CARDIAC SURGERY: A SYSTEMATIC REVIEW AND META-ANALYSIS[MGN1] [MOU2] > [MGN1]Pre ou pos cirurgia, ou ambos? [MOU2]Apenas no pré-operatório.**
Andre Luiz Cordeiro (Feira De Santana (BA), Brazil), Lucas Oliveira

PA2210 **Inspiratory muscle metaboreflex during a progressive inspiratory threshold loading test**
Étore F. Signini (São Carlos, Brazil), Patrícia Rehder-Santos, Raphael Abreu, Camila Sakaguchi, Claudio Silva, Ana Carolina Marcondes, Bruno Ribeiro, Vinicius Minatel, Juliana Milan-Mattos, Renato Carneiro, Aparecida Catai

PA2211 **Does the diaphragm contribute to balance control in patients with COPD?**
Lotte Janssens (Diepenbeek, Belgium), Nina Jacobs, Daniel Langer, Sauwaluk Dacha, Zafeiris Louvaris, Simon Brumagne, Nina Goossens, Wim Janssens, Luc Janssens, Marc Geraerts, Remco Baggen, Rik Gosselink

PA2212 **The effects of respiratory muscle functions on trunk muscle endurance in healthy young adults**
Ridvan Aktan (Balcova (İzmir), Turkey), Ozge Ocaker Aktan, Hazal Yakut, Sevgi Ozalevli, Bilge Kara

PA2213 **Respiratory muscle function and inspiratory muscle strength in patients with long COVID, ILD or COPD in comparison to healthy controls: Preliminary results.**
Tamara Zlámalová (Holesov, Czech Republic), Pavla Horová, Martin Dvoracek, Zuzana Krsaková, Katerina Neumannová

PA2214 **VENTILATORY MUSCLE STRENGTH SIX MONTHS AFTER CORONARY ARTERY BYPASS GRAFTING IN PATIENTS SUBMITTED TO INSPIRATORY MUSCULAR TRAINING BASED ON THE ANAEROBIOSIS THRESHOLD: CLINICAL TRIAL**
Andre Luiz Cordeiro (Feira De Santana (BA), Brazil), Larissa Almeida, Jackeline Leite, Hayssa Mascarenhas, André Guimarães, Luiz Alberto Forgiarini, Jefferson Petto

PA2215 **Respiratory muscle strength and functional capacity of individuals with chronic kidney failure**
Eli Forti (Capivari, Brazil), Isabela Nascimento, Nataly Mendes Da Silva , Ana Flávia Rachid De Medeiros, Tamires Alessa De Mori, Silvia Beatriz Serra Baruki, Maura Rigoldi Simões Da Rocha, Marlene Moreno

PA2216 **The relationship between inspiratory muscle strength with the parameters from structured light plethysmography**
Melda Saglam (Ankara, Turkey), Naciye Vardar-Yagli, Hacer Dasgin, Kader Karli-Oguz

Pre-congress content Session 256 13:15 - 14:15

E-poster: Comorbidities in airway obstructive diseases

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Disease(s) : Airway diseases

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

Chairs : Lucia Cestelli (Bergen, Norway), Florence Schleich (Liège, Belgium)

PA2217 **Laryngeal dysfunction is predominant in asthmatic women treated by inhaled corticosteroids**
Nicolas Migueres (Strasbourg, France), Christina Delmas, Julie Petit Thomas, Hélène Kuntz, Elisabeth Peri-Fontaa, Philippe Schultz, Michel Velten, Frédéric De Blay

PA2218 **The cut-off values for Visual Analogue Scale (VAS) and for the Assessment Tool for Asthma (ATA) according the Control for Asthma and Allergic Rhinitis Test (CARAT)**
Bilun Gemicioglu (Istanbul, Turkey), DENIZ ONGEL HARBIYELI, Hayriye Ertem Vehid, Jean Bousquet, João Fonseca

PA2219	**Clinical characterization of T2 low phenotype** Vitina Carriero (Orbassano, Italy), Andrea Elio Sprio, Andrea Baroso, Giorgio Ciprandi, Elisa Riccardi, Francesca Bertolini, Fabio Luigi Massimo Ricciardolo
PA2220	**Respiratory, cardiovascular and systemic factors associated with brain damage in Chronic Obstructive Pulmonary Disease (COPD) and/or coronary artery disease (CAD)** Catherine Anne Spilling (London, United Kingdom), Mohani-Preet Dhillon, Daniel Burrage, Sachelle Ruickbie, Emma Baker, Thomas Barrick, Paul Jones
PA2221	**Impact of cytokines on endothelium in COPD patients** Olga Arkhipkina (Kharkiv, Ukraine)
PA2222	**Clinical and functional characteristics of the natural course of COPD** Stanislav Kotlyarov (Ryazan, Russian Federation)
PA2223	**The nutritional status of COPD exacerbators** Carina Rôlo Silvestre (S. João das Lampas, Portugal), Tiago Dias Domingues, Maria Cavaco, André Nunes, Ricardo Cordeiro, Teresa Silva Santos, Teresa Falcão, António Domingos
PA2224	**Inflammation and physical capacity in relation to clinical COPD clustering** Sebastian Gagatek (Stockholm, Sweden), Björn Ställberg, Christer Janson, Kristina Bröms, Hans Hedenström, Karin Lisspers, Marieann Högman, Andrei Malinovschi
PA2225	**Study of gastroesophageal reflux disease in frequent exacerbations of chronic obstructive pulmonary disease** Aigoul Zinnatullina (Kazan (Republic of Tatarstan), Russian Federation), Rustem Khamitov
PA2226	**Gender-specific differences in COPD symptoms and their impact for the diagnosis of cardiac comorbidities** Franziska Trudzinski (Heiderberg, Germany), Christina Kellerer, Rudolf Jörres , Peter Alter , Johanna Lutter , Frederik Trinkmann, Felix Herth, Marion Frankenberger , Hendrik Watz, Claus Vogelmeier, Hans-Ulrich Kauczor, Tobias Welte , Jürgen Behr , Robert Bals, Kathrin Kahnert
PA2227	**Admission due to heart failure and pulmonary function testing: is there a COPD?** Kostiantyn Dmytriiev (Vinnitsya, Ukraine), Nataliia Slepchenko, Yuriy Mostovoy, Lesya Rasputina
PA2228	**Clinical and inflammatory characteristics of never-, intermittent- and persistent-COPD exacerbators** Jens Ellingsen (Uppsala, Sweden), Christer Janson, Björn Ställberg, Karin Lisspers, Kristina Bröms, Marieann Högman, Hans Hedenström, Andrei Malinovschi
PA2229	**Is there a role of Heart Failure in pulmonary function testing?** Kostiantyn Dmytriiev (Vinnitsya, Ukraine), Nataliia Slepchenko, Yuriy Mostovoy, Lesya Rasputina
PA2230	**Clinical COPD Questionnaire results depending on the degree of the inflammatory response in patients with COPD combined with hypertension** Anastasiia Melenevych (Kharkiv, Ukraine)
PA2231	**Prevalence of Anxiety Disorders and Depression in Patients with Chronic Obstructive Pulmonary Disease and correlation with the clinical stage of the disease** Slagjana Stoshikj (Wien, Austria), Jonas Brugger, Marco Idzko, Daniela Gompelmann
PA2232	**The prevalence of primary ciliary dyskinesia (PCD) in adult patients with bronchiectasis in Dnipro (Ukraine)** Kateryna Gashynova (Dnipro, Ukraine), Kseniia Suska, Valeriia Dmytrychenko
PA2233	**The international primary ciliary dyskinesia (PCD) registry reports genotype/phenotype-correlations** Johanna Raidt (Münster, Germany), Petra Pennekamp, Sarah Riepenhausen, Henrike Krenz, Simone Helms, Tabea Nöthe-Menchen, Bernd Dworniczak, Heike Olbrich, Niki T Loges, Jörg Große-Onnebrink, Mathias G Holgersen, June K Marthin, Kim G Nielsen, Martin Dugas, Heymut Omran
PA2234	**A cross-sectional analysis of the burden of respiratory disease and engagement with the respiratory outpatient service amongst hospitalised patients referred to the social inclusion team** Sandra Green (Dublin, Ireland), Eoin Hunt, Sarah Jayne Miggins, Tara Mc Ginty
PA2235	**Sub-glottic Stenosis: An orphan tracheopathy – a great asthma mimic!** Sana Iftikhar (Stoke-on-trent, United Kingdom), Aka Abi Musa Asa'Ari, Qaiser Abdullah, Mostafa Abdelmoteleb, Shilajit Ghosh, Mohammed Haris
PA2236	**Metabolic Syndrome (MetS) as a comorbidity of Chronic Obstructive Pulmonary Disease (COPD)** Daniela Buklioska Ilievska (Skopje, North Macedonia), Jordan Minov, Ivana Mickovski, Nade Kochovska Kamchevska

Pre-congress content Session 257 13:15 - 14:15

E-poster: Prognostic markers of disease progression in non-idiopathic pulmonary fibrosis interstitial lung diseases

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Disease(s) : Interstitial lung diseases Airway diseases

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

Chairs : Maria Otaola (Ciudad Autónoma Buenos Aires, Argentina), Joanna Porter (London, United Kingdom)

PA2237	**Domiciliary monitoring of physiology and symptoms to detect interstitial lung disease exacerbations and/or progression: a systematic review** Malik A Althobiani (London, United Kingdom), Rebecca A Evans, Jaber S Alqahtani, Abdulelah M Aldhahir, John R Hurst, Joanna Porter
PA2238	**Morbidity and mortality following surgical lung biopsy in interstitial lung disease in a specialized multidisciplinary center.** Vanessa Menezes (Montreal, Canada), Clare Pollock, Adéline Jouquan, Julie Morisset , Charles Leduc, Phillip Romeo, Hélène Manganas, Andréanne Gauthier, Pasquale Ferraro, Edwin Lafontaine, Jocelyne Martin, Basil Nasir, Moishe Liberman
PA2239	**SADL scale as a predictor of mortality in patients with ILD associated with Scleroderma** VIRGINIA Parra León (MADRID, Spain), Walther Ivan Girón Matute, Fernando Pedraza Serrano, Belén Serrano Benavente , Christian Reynaldo Castro Riera, Luis Puente Maestú
PA2240	**Role of lung biopsies in the diagnosis of interstitial lung diseases in a clinical real-life setting** Melanie Berger (Köln, Germany), Maximilian Wollsching-Strobel, Elisabeth Bünemann, Sarah Bettina Schwarz, Daniel Sebastian Majorski, Tim Mathes, Wolfram Windisch
PA2241	**Clinical course and outcomes of acute exacerbation of fibrosing interstitial lung disease** Katsuyuki Furuta (WakayamaCity, Japan), Daichi Fujimoto, Atsushi Matsunashi, Masanori Tanaka, Ryota Shibaki, Yuri Shimada, Kazuma Nagata, Keisuke Tomii, Nobuyuki Yamamoto
PA2242	**Progressive fibrosing interstitial lung disease (PF-ILD) in six referral centers in Brazil** Paulo Cavalcante Neto (São Paulo (SP), Brazil), Ana Carolina Lima Resende, Eliane Viana Mancuzo, Maria Raquel Soares, Maria Auxiliadora Moreira, Leticia Ferreira Neves Arantes, Regina Celia Carlos Tibana, Fernanda Maciel De Aguiar Baptista, Tatiana Senna Galvão Nonato Alves, Karin Mueller Storrer, Priscila Isolani De Oliveira, Fernanda Maria Pinheiro Machado Nogueira, Rafaela Boaventura Martins, Simone Lobo Krupok Matias, Soraya Abou El Hosn Cordero Da Silva, Vanessa El Mir Arida, Andre Bezerra Botelho, Bruno Leoncio De Moraes Beraldo, Marina Dornfeld Cunha Castro, Cesar Yoshito Fukuda, Milena Tenório Cerezoli, Rimarcs Gomes Ferreira, Israel Missrie, Carlos Pereira
PA2243	**Analyses of predictive findings indicative of progressive interstitial lung diseases** Soraya Abou El Hosn Cordero Da Silva (São Paulo (SP), Brazil), Ana Carolina Lima Resende, Eliane Viana Mancuzo, Maria Raquel Soares, Maria Auxiliadora Moreira , Paulo Miranda Cavalcante Neto , Letícia Ferreira Neves Arantes, Regina Célia Carlos Tibana , Fernanda Maciel De Aguiar Baptista , Tatiana Senna Galvão Nonato Alves , Karin Mueller Storrer, Priscila Isolani De Oliveira, Fernanda Maria Pinheiro Machado Nogueira , Rafaela Boaventura Martins, Simone Lobo Krupok Matias, Vanessa El Mir Arida , André Bezerra Botelho, Bruno Leoncio De Moraes Beraldo, Marina Dornfeld Cunha Castro , Cesar Yoshito Fukuda, Milena Tenório Cerezoli , Rimarcs Gomes Ferreira, Israel Missrie, Carlos Pereira
PA2244	**Prognostic value of 6-Min Walk Test (6MWT) in Patients with non-Idiopathic Pulmonary Fibrosis Progressive Fibrosing Interstitial Lung Disease (PF-ILD)** Gregoire Jeanniard (Boulogne-Billancourt, France), Mouhamad Nasser, Ségolène Turquier, Kais Ahmad, Jésus Calabuig Lopez, Jean-Charles Glérant, Julie Traclet, Arnaud Chambellan, Vincent Cottin
PA2245	**Progressive fibrosis is common in patients with Sjögren's syndrome and Interstitial lung disease** Caroline Diou (Paris, France), Marie-Pierre Debray, Catherine Bancal, Karim Sacré, Camille Taillé, Warda Khamis, Robin Dhote, Raphaël Borie, Hilario Nunes, Yurdagül Uzunhan, Bruno Crestani
PA2246	**Clinical features and outcomes of patients with myositis associated-interstitial lung disease** Ourania Papaioannou (Patras, Greece), Theodoros Karampitsakos, Serafeim Chrysikos, Matthaios Katsaras, Georgios Tsirikos, Panagiota Tsiri, Eirini Zarkadi, Panagiotis Efthymiou, Vasilina Sotiropoulou, Nikolaos Ntoulias, Elli Malakounidou, Aggeliki Bellou, Vasilios Tzilas, Evangelos Bouros, Fotios Sampsonas, Theofanis Karageorgas, Katerina Dimakou, Demosthenes Bouros, Argyris Tzouvelekis

PA2247	**Evaluation of CCL18 serum levels and genetic variant as prognostic biomarkers in SSc-ILD** Carmel Stock (London, United Kingdom), Carmel Stock, Maria Kokosi, Veronica Alfieri, Vasilios Kouranos, Peter George, Philip Molyneaux, Felix Chua, Benjamin Seeliger, Voon Ong, David Abraham, Torsten Witte, Christopher Denton, Antje Prasse, Athol Wells, Elisabetta Renzoni
PA2248	**Clinical spectrum and outcome of non IPF patients with a typical UIP picture** Jennifer Naftel (Southampton, United Kingdom), Mark Mottershaw, Kellie Strickland, Adam Wallis, Paula Mcparland, Anna Donaldson, Suresh Babu
PA2249	**Mortality risk prediction with ILD-GAP index in a portuguese chronic hypersensitivity pneumonitis cohort** Ana Catarina Gouveia Cardoso (Vila Nova de Famalicão, Portugal), Leonor Mendonça Almeida, Ana Luísa Fernandes, Bruno Lima, Inês Neves, Helder Novais Bastos, Patrícia Caetano Mota, Natália Melo, Conceição Souto Moura, Susana Guimarães, André Carvalho, Rui Cunha, José Miguel Pereira, António Morais
PA2250	**Predictive Findings of survival in Familiar Pulmonary fibrosis** Eliane Viana Mancuzo (Belo Horizonte (MG), Brazil), Regina Celia Carlos Tibana, Maria Raquel Soares, Deborah Dos Reis Estrella, Carlos Pereira
PA2251	**Connective tissue associated lung disease treated with Cyclophosphamide in Durban, South Africa.** Mohammed Mitha (Durban (Kwa Zulu-Natal), South Africa), Swasti Singh, Catherine Connolly, Kennedy Nyamande
PA2252	**Longitudinal serological assessment of neutrophil activity is related to disease progression in idiopathic pulmonary fibrosis** Henrik Jessen (Herlev, Denmark), Nils Hoyer, Thomas Prior, Peder Frederiksen, Morten Karsdal, Diana Leeming, Elisabeth Bendstrup, Jannie Sand, Saher Shaker
PA2253	**Predictive Findings of Progressive Fibrosing Interstitial Lung Disease (PF-ILD)** Ana Carolina Lima Resende (Osasco, Brazil), Eliane Viana Mancuzo , Maria Raquel Soares , Paulo Miranda Cavalcante Neto , Maria Auxiliadora Moreira, Letícia Ferreira Neves Arantes, Regina Célia Carlos Tibana, Fernanda Maciel De Aguiar Baptista, Tatiana Senna Galvão Nonato Alves , Karin Mueller Storrer, Priscila Isolani De Oliveira , Fernanda Maria Pinheiro Machado Nogueira , Rafaela Boaventura Martins, Simone Lobo Krupok Matias, Soraya Abou El Hosn Cordero Da Silva, Vanessa El Mir Arida , André Bezerra Botelho, Bruno Leôncio De Moraes Beraldo, Marina Dornfeld Cunha Castro , Cesar Yoshito Fukuda, Milena Tenório Cerezoli , Rimarcs Gomes Ferreira , Israel Missrie, Carlos Pereira
PA2254	**Late Breaking Abstract - The outcome of COVID-19 in interstitial lung disease patients treated with anti -inflammatory drugs and antiviral drugs** Takafumi Yamaya (Yokohama city, Japan), Eri Hagiwara, Tomohisa Baba, Tae Iwasawa, Takashi Ogura
PA2255	**Late Breaking Abstract - Systemic ferritin is an early disease biomarker for silicosis patients** Christian Aloe (Bundoora, Australia), Paris Papagianis, Jonathan Mcqualter, Christine Faye Mcdonald, Tracy Li-Tsein Leong, Nicole Soo Leng Goh, Steven Bozinovski
PA2256	**Late Breaking Abstract - Role of shear stress and oxygen toxicity on central nervous system comorbidities in bronchopulmonary dysplasia** Lena Haist (Munich, Germany), Sophia Stöcklein, Juan David Henao Sanchez, Benjamin Schubert, Anne Hilgendorff

Pre-congress content Session 258 13:15 - 14:15

E-poster: Insights into rehabilitation and physiotherapy in COVID-19

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases Respiratory critical care

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

Tag(s) : COVID, Digital health

Chairs : Inga Jarosch (Schönau am Königssee, Germany), Jana De Brandt (Diepenbeek, Belgium)

PA2257	**PRONE POSITION IN COVID-19 PATIENTS INVASIVE MECHANICAL VENTILATED** Rafaella Xavier (São Paulo (SP), Brazil), Jaci Oliveira, Naiara Rodrigues, Thais Vieira, Midiã Coutinho, Regiane Mota, Andrietti Turi, Cristiane Schimitt, Amilton Silva Jr, Carina Nunes, Andrea Sala
PA2258	**COVID-19 and acute respiratory failure treated with CPAP** Linette Marie Kofod (Jyllinge, Denmark), Klaus Nielsen Jeschke, Morten Tange Kristensen, Rikke Krogh-Madsen, Carsten Monefeldt Albek, Ejvind Frausing Hansen

PA2259	**COVID-19 knowledge, practice and barriers to early mobilization: a Brazilian survey** Renata Mendes (Sao Carlos (SP), Brazil), Thaís Marina Pires De Campos Biazon, Henrique Pott Junior, Michel Silva Reis, Daniela Gardano Bucharles Mont'Alverne, Daniel Lago Borges, Guilherme Peixoto Tinoco Arêas, Audrey Borghi-Silva
PA2260	**Impact of outpatient rehabilitation programme on physical fitness for patients post covid-19** Thomas Williamson (Epsom, United Kingdom), Angela Miers, Daisy Garvey, Carol Morris, Fran Dyer, Claire Wells, Shakil Rahman
PA2261	**Delivering an 8-week in-home telerehabilitation exercise program in patients with COVID-19 during the first pandemic in Greece** Eleni Kortianou (Athens (Alimos), Greece), Dimitrios Tsimouris, Aspasia Mavronasou, Sotirios Lekkas, Nikolaos Kazantzis, Maria Isakoglou, Georgia Dimakou, Zafeiria Barmparessou, Stamatoula Tsikrika, Vissaria Sakka, Angelos Liontos, Marianna Christaki, Charalampos Milionis, Ioannis Kalomenidis
PA2262	**Benefits of pulmonary rehabilitation in COVID-19 – a prospective observational cohort study** Rainer Gloeckl (Schoenau am Koenigssee, Germany), Daniela Leitl, Inga Jarosch, Tessa Schneeberger, Christoph Nell, Nikola Stenzel, Claus Vogelmeier, Klaus Kenn, Rembert Koczulla
PA2263	**Impact of pulmonary rehabilitation on sequelae produced in critically ill patients by COVID-19.** Aida Monge Esqué (Lleida, Spain), Paola Carmona Arias, Sally Santisteve Lostes, Anna Moncusí Moix, David De Gonzalo Calvo, Clara Gort Paniello, Gerard Torres Cortada, Esther Gracia Lavedan, Ferran Barbé Illa, Jessica González Gutiérrez
PA2264	**Is Pulmonary Rehabilitation (PR) effective in people recovering from severe COVID-19 (C-19) pneumonia?** Francesca Knight (Reading, United Kingdom), Laura Cornish, Xu Shen, Catherine Thomas
PA2265	**Does virtual breathing pattern retraining improve breathlessness in patients with post COVID syndrome?** Lauren Williamson (Mitcham, United Kingdom), Gita Ramdharry, Olivia Chapman, Melissa Heightman, Toby Hillman, Rebecca Livingston
PA2267	**Monitoring physical and psychological status in home-quarantined patients with COVID-19 after hospitalization** Eleni Kortianou (Athens (Alimos), Greece), Aspasia Mavronasou, Dimitrios Tsimouris, Nikolaos Kazatzis, Zoi Eleni Apostolara, Sotirios Lekkas, Maria Isakoglou, Stamatoula Tsikrika, Angelos Liontos, Marianna Christaki, Charalampos Milionis, Ioannis Kalomenidis
PA2268	**Comparison of muscle strength, physical activity, mood and sleep quality in patients with recovered from mild and moderate COVID-19** Aylin Tanriverdi (Izmir, Turkey), Sema Savci, Buse Ozcan Kahraman, Ebru Ozpelit
PA2269	**Might a short-term telerehabilitation program improve effort tolerance, dyspnea, and effort desaturation in patients discharged after COVID-19 pneumonia?** Mara Paneroni (Mazzano (BS), Italy), Michele Vitacca, Palmira Bernocchi, Laura Bertacchini, Simonetta Scalvini
PA2270	**Physical impairments following an inpatient stay for Covid-19 infection** Joanne Dowds (Dublin 8, Ireland), Kate O'Brien, Grainne Sheill, Liam Townsend, Parthiban Nadarajan, Ciaran Bannan, Ignacio Martin Loeches
PA2271	**Wearables to monitoring the activities daily living in patients post-hospitalization by COVID-19** Maria Cecília Moraes Frade (Ribeirão Preto, Brazil), Thomas Beltrame, Daiane Roberta Viana, Marcela Maria Carvalho Da Silva, Mariana De Oliveira Gois , Carina Araujo De Facio, Luana Aprecida Gonzaga, Juliano Ferreira Arcuri, Valéria Amorim Pires Di Lorenzo, Aparecida Maria Catai
PA2272	**The relationship among 6-minute walk test performance, respiratory muscles, ventilatory parameters and dyspnoea severity in long COVID patients: Preliminary results.** Martin Dvořáček (Bouzov, Czech Republic), Pavla Horová, Tamara Michalcíková, Zuzana Krsáková, Katerina Neumannová
PA2273	**Physical activity in daily life and clinical characteristics of recovered COVID-19 patients** Isis Grigoletto (Pirapozinho, São Paulo, Brazil), Vinicius Cavalheri, Fabiano De Lima, Brenda Carla De Sene Vaz, Natália Narumi Voltareli Suzuki, Daniele Akemi Eto, Rafael Mesquita, Ercy Mara Cipulo Ramos

Pre-congress content Session 259 13:15 - 14:15

E-poster: Epidemiological aspects of tuberculosis

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases Respiratory critical care

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

Chairs : Berit Lange (Freiburg, Germany), Lorenzo Guglielmetti (Paris, France)

PA2274	**Relationship between active TB case finding and treatment outcomes** Larisa Rusakova (Москва, Russian Federation), Vladimir Galkin, Sergey Sterlikov
PA2275	**Prevalence of latent and active tuberculosis among elderly home residents in a single district of Sri Lanka- A cross sectional study** Asela Bandara (Kurunegala (NW), Sri Lanka)
PA2276	**Tuberculosis among health-care workers** Evgeny Belilovskiy (Moscow, Russian Federation), Elena Bogorodskaya, Alexandr Markov
PA2277	**Pott's disease : clinical ,radiological profil and therapeutic support** Arfaoui Hajar (Casablanca, Morocco), Hajar Bamha, Hasna Jabri, Wiam El Khattabi, Moulay Hicham Afif
PA2278	**Transthyretin in patients with pulmonary tuberculosis co-infected HIV.** Rizvan Abdullaev (Moscow, Russian Federation), Oksana Komissarova, Lev Gerasimov
PA2279	**Predictive factors of extended drainage in tuberculous pneumothorax** Seiv Marwa (Tunis, Tunisia), Ben Saad Soumeya, Ben Mansour Amani, Gharbi Leila, Fennich Soraya, Aouina Hichem, Merghli Adel, Hamzaoui Agnes, Chaouach Nawel, Daghfous Hafaoua, Tritar Fatma
PA2280	**Risk factors for tuberculosis in patients with chronic alcoholism** Evelina Lesnic (Chisinau, Republic of Moldova), Andrei Ungurean, Tatiana Osipov, Eugeniu Cotelea
PA2281	**Comparative study of clinical features between elderly and non-elderly patients with pulmonary nontuberculous mycobacterial disease** Yoshihiro Kobashi (Kurashiki (Okayama), Japan), Daisuke Yoshioka, Shigeki Kato, Toru Oga
PA2282	**Nutritional deficiency in patients with pulmonary tuberculosis** Anna Egorova (Moscow, Russian Federation), Mikhail Chushkin, Veronika Beketova, Lydia Popova , Vladimir Romanov, Natalya Karpina, Atadzhan Ergeshov
PA2284	**Particularities of people who inject drugs in a HIV-TB cohort** Ana-Maria Zaharie (Bucuresti (Sector 2), Romania), Mirela Ţigău
PA2285	**Current approaches to the prevention of tuberculosis in patients receiving immunosuppressants** Elena Dementyeva (Moscow, Russian Federation), Valentina Aksenova , Alexey Kazakov, Nadezhda Klevno
PA2286	**Latent tuberculosis infection in adolescents aged 15-17** Diana Vrabiy (Saint-Petersburg, Russian Federation), Vladimir Dantsev , Igor Bozhkov, Goar Balasaniantc
PA2287	**"99DOTS" techno-supervision for tuberculosis treatment – a boon or a bane? Exploring challenges in its implementation at a tertiary centre in Delhi, India** Ananya Prabhu (New Delhi (Delhi), India), Upasna Agarwal, Neeta Singla, Rohit Sarin, Jaya Prasad Tripathy, Karuna Sagili, Puthu Thekkur
PA2288	**The effect of tobacco smoking on bronchial patency in patients with pulmonary tuberculosis** Marina Peredelskaya (Moscow, Russian Federation), Atadgan Ergeshov, Galina Sakharova, Nicalay Antonov, Ludmila Rusakova, Vladimir Romanov, Nicolay Chumovatov
PA2289	**PREDICTOR FACTORS TO POOR ADHERENCE TO ANTI-TUBERCULOSIS TREATMENT** Hager Kchouk (Tunis, Tunisia), Amani Ben Mansour, Soumaya Ben Saad, Hafaoua Daghfous, Fatma Tritar
PA2290	**Screening and monitoring of TB infection in rheumatological patients on biologics therapy** Sergey Evgenievich Borisov (Moscow, Russian Federation), Natalia Makarova, Lydia Guntupova, Ksenia Frolova, Galina Lukina
PA2291	**New treatment outcome definitions for drug-susceptible and drug-resistant tuberculosis: update from World Health Organization** Linh Nguyen (Geneva, Switzerland), Fuad Mirzayev, Kerri Viney, Medea Gegia, Matteo Zignol
PA2292	**A data-driven approach to identify putative tuberculosis among adolescents in resource-constrained settings.** Siyanai Zhou (Rondebosch, South Africa), Mark Orkin, Elona Toska, Roxanna Haghighat, William Rudgard, Quintin Van Staden, Lucie Cluver

Pre-congress content Session 260 13:15 - 14:15

E-poster: Therapy of lung cancer

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Thoracic oncology Respiratory critical care Airway diseases

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

Chairs : Armin Frille (Leipzig, Germany), Susanne Lang (Jena, Germany)

PA2293	**Clinical outcomes of stereotactic ablative body radiotherapy (SABR) in medically inoperable early stage lung cancer patients** Thida Win (Stevenage (Hertfordshire), United Kingdom), Jonathan Groves, Ryan Yeo, Yat Tsang, Nihal Shah
PA2294	**Upper limbs musculoskeletal disorders after one-year lung cancer resection** Alejandro Heredia Ciuró (Granada, Spain), Paula Blasco-Valls, Janet Rodriguez-Torres, Florencio Quero-Valenzuela, Araceli Ortiz-Rubio, Marie-Carmen Valenza
PA2295	**Salvage surgery in patients with locally advanced non-small cell lung cancer – outcomes and longtime results** Katarzyna Furrer (Zürich, Switzerland), Raphael S Werner* , Sven Hillinger, Didier Schneiter, Ilhan Inci, Isabelle Opitz
PA2296	**Safety and efficacy of thermal ablation for malignant lung lesions; retrospective case series analysis of the South Wales lung ablation service.** Gill Warwick (Carmarthen (Dyfed), United Kingdom), Emma Parkes, Nimit Goyal, Alina A Ionescu
PA2297	**EXPERIENCE WITH RADIOFREQUENCY ABLATION OF LUNG TUMORS** Jose Maria Diaz Garcia (Madrid, Spain), Miguel Morales García, Maria Teresa Rio Ramirez, Fernando García Prieto, Cristina Matesanz López, Beatriz Raboso Moreno, Adriana Rodriguez, Carmen María Acosta Gutiérrez, Araceli Abad Fernandez
PA2298	**Surgery of remnant lung after contralateral pneumonectomy is safe** Katarzyna Furrer (Zürich, Switzerland), Emil Iliev, Walter Weder, Sven Hillinger , Didier Schneiter, Ilhan Inci, Isabelle Opitz
PA2299	**Low dose olanzapine for carboplatin-induced nausea and vomiting** Chizuru Sakai (Gifu, Japan), Hirotoshi Iihara, Mototsugu Shimokawa, Yukiyoshi Fujita, Shinnosuke Ikemura, Chiemi Hirose, Mie Kotake, Norihiko Funaguchi, Takenobu Gomyo, Hisao Imai, Jun Hakamata, Daizo Kaito, Koichi Minato, Takahiro Arai, Hitoshi Kawazoe, Akio Suzuki, Yasushi Ohno, Hiroyuki Okura
PA2300	**Genetic polymorphisms in the BER and NER pathways and their influence on survival and toxicity in never-smokers with lung cancer** Ana Casal (vigo, Spain), María Torres, Isaura Parente, Antonio Golpe, Carmen Montero, Virginia Leiro, Olalla Castro, Alberto Fernández, Luis Valdés, Alberto Ruano
PA2301	**A prospective study to detect ICIs' associated Myocarditis, among patients treated for lung cancer** Clara Faubry (Saint André, France), Maxime Faure, Remi Veillon, Charlotte Vergnenègre, Hubert Cochet, Chantal Raherison, Pierre Domingues Dos Santos, Zysman Maeva
PA2302	**Impact of COPD on prognosis of lung cancer: the prespective of immunotherapy treatment** Ricardo Estêvão Gomes (Lisboa, Portugal), Teresa Almodôvar
PA2303	**Influenza and Pneumococcal vaccination effects on the immune-related adverse events in patients under immunotherapy for an advanced stage non-small cell lung cancer** Mathilde MONBRUN (Bordeaux, France), Léo Grassion, Elodie Blanchard, Rémi Veillon, Maeva Zysman, Chantal Raherison
PA2304	**Atezolizumab in previously treated non-small-cell lung cancer patients** Mariana Serino (Braga, Portugal), Vanessa Santos, David Araújo, Hélder Novais-Bastos , Adriana Magalhães, Gabriela Fernandes, Henrique Queiroga, Venceslau Hespanhol
PA2305	**Immune-related adverse events as a predictor marker of response to programmed cell death 1/programmed death-ligand 1 axis inhibitors in patients with non-small cell lung cancer.** Andriani Charpidou (Athens, Greece), Vasilios Patriarcheas, Ioannis Vathiotis, Eleni Kokotou, Nikos Syrigos, Maria Mani, Lamprini Stournara, Ioannis Gkiozos

PA2306 **Progression-free survival with first line treatment as prognostic factor of treatment success in subsequent lines in lung adenocarcinoma patients – who´s the „good responder“?**
Kristian Brat (Brno, Czech Republic), Jana Skrickova, Monika Bratova, Magda Barinova, Karolina Hurdalkova, Milos Pesek, Martin Svaton, Libor Havel, Leona Koubkova, Michal Hrnciarik, Jana Krejci, Juraj Kultan, Ondrej Fischer, Milada Zemanova, Marketa Cernovska, Martin Safanda, Helena Coupkova, Tana Tuzova, Daniel Dolezal

PA2307 **An implantable rutin incorporated PCL/collagen electrospun nanofibers for effectivegrowth inhibition of lung cancer cells: Possible application in prevention of lung cancerlocal recurrence**
Shadi Doosti (, Turkey), Selman celik, Muhhammed Ali Karimi

PA2308 **Patient-reported outcome measures: do they improve the quality of supportive care in advanced non-small cell lung cancer?**
Andriani Charpidou (Athens, Greece), Maria Kalliri , Vasilios Ramfidis, Dimitra Grapsa, Ioannis Gkiozos, Dimitra Stefanou, Konstantinos Syrigos

PA2309 **Does long treatment delay affect survival in metastatic non-small cell lung cancer**
Mariem Hamdi (kasserine, Tunisia), Fatma Chermiti, Belloumi Nidhal, Bachouche Imen, Fenniche Soraya

PA2310 **Prognostic value of neutrophil to lymphocyte ratio in patients with advanced non-small cell lung cancer**
Andriani Charpidou (Athens, Greece), Sofia Koukidou, Dimitrios Vassos, Dimitra Grapsa, Sevasti Ampelioti, Ekaterini Dimakou, Petros Bakakos, Garyphallia Poulakou, Konstantinos Syrigos

PA2311 **Thromboprophylaxis in lung cancer patients with intermediate tinzaparin dose: The iCaLT study**
Marousa Kouvela (Athens, Greece), Dimitra Stefanou, Lamprini Stournara, Eleftheria Ntalakou, Fotini Sarropoulou, Nikolaos Syrigos, Ioannis Gkiozos

PA2312 **Survival outcomes of patients diagnosed with lung adenocarcinoma with ALK gene rearrangement**
Lela Bitar (Zagreb, Croatia), Fran Seiwerth, Lidija Ljubičić, Ana Bačelić-Gabelica, Dražena Srdić, Marta Koršić, Sonja Badovinac, Sanja Pleština, Miroslav Samaržija, Marko Jakopović

Pre-congress content Session 261 13:15 - 14:15

E-poster: Environmental and lifestyle impacts on chronic lung disease

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Disease(s) : Airway diseases Interstitial lung diseases

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

Tag(s) : COVID

Chairs : Gwenda Vasse (Groningen, Netherlands), Tania Maes (Ghent, Belgium)

PA2313 **In vitro toxicological effects of particulate matter from Metropolitan Region of Vitoria, Brazil**
Trícia Guerra Oliveira (Vitória, Brazil), Isabelle Araújo Trancoso, Maria Tereza Weitzel Dias Carneiro, Melina Do Espírito Santo Lemos, Bianca Prandi Campagnaro, Denise Coutinho Endringer, Larissa Zambom Côco, Antônio Domingos, Márcio Fronza

PA2314 **Pulmonary fibrosis in mice increases susceptibility to pneumococcal pneumonia and bacteremia**
Christoph Tabeling (Berlin, Germany), Sandra-Maria Wienhold, Anna Birnhuber, Markus C. Brack, Geraldine Nouailles, Olivia Kershaw, Theresa C. Firsching, Achim D. Gruber, Jasmin Lienau, Leigh M. Marsh, Andrea Olschewski, Grazyna Kwapiszewska, Martin Witzenrath

PA2315 **Validation of in vitro models for smoke exposure of primary human bronchial epithelial cells**
Michal Mastalerz (Germering, Germany), Elisabeth Dick, Ashesh Chakraborty, Elisabeth Hennen, Andrea Schamberger, Michael Lindner, Rudolf Hatz, Juergen Behr, Anne Hilgendorff, Otmar Schmid, Claudia Staab-Weijnitz

PA2316 **Human rhinovirus induce specific bronchial smooth muscle migration toward bronchial epithelium in severe asthma through the CXCL10/CXCR3 axis**
Alexis Celle (Bordeaux, France), Pauline Esteves, Guillaume Cardouat, Fabien Beaufils, Edmée Eyraud, Isabelle Dupin, Elise Maurat, Olga Ousova, Hugues Begueret, Matthieu Thumerel, Roger Marthan, Pierre-Olivier Girodet, Patrick Berger, Thomas Trian

PA2317 **Vasoactive intestinal peptide (VIP) supresses ACE2- and TMPRSS2 expression in stimulated epithelial cells**
Charlotte Gutzler (Freiburg, Germany), Kerstin Höhne, Joachim Müller-Quernheim, Gernot Zissel, Björn Christian Frye

PA2318 **Myeloid-derived suppressor cells in the blood of COVID-19 patients**
Ian M. Adcock (London, United Kingdom), Esmaeil Mortaz, Neda K. Dezfuli1, Neda Dalil Roofchayee

PA2319	**Human rhinovirus causes increase in angiogenetic activity of lung endothelial cells – potential involvement in enhanced vasculature in asthmatics** Aleksandra Likonska, Adrian Gajewski, Mateusz Gawrysiak, Izabela Gulbas, Robert Szewczyk, Kinga Klimczak, Marek L. Kowalski, Maciej Chalubinski
PA2320	**TRPA1 mediates cigarette smoke-induced TNFa secretion in macrophages** Denis Naumov (Blagoveshchensk (Amur Oblast), Russian Federation), Ivana Sugaylo, Dina Gassan, Olesya Kotova, Evgeniya Afanaseva, Elizaveta Sheludko, Yana Gorchakova
PA2321	**Farm dust exposure decreases gene expression of epithelial alarmins in primary bronchial epithelial cells** Jasmijn A. Schrumpf (Leiden, Netherlands), Mikaela Tham, Dennis K. Ninaber, Erica Von Mutius, Hermelijn H. Smits, Pieter S. Hiemstra
PA2322	**Effect of cigarette smoke extract on Th17 inflammation and the anti-inflammatory effect of glucocorticoids in human airway smooth muscle cells** Abdulrhman Alghamdi (Nottingham, United Kingdom), Abdullah Alqarni, Mushabbab Alahmari, Abdullah Alqarni, Amanda Tatler, Linhua Pang
PA2323	**Immunity-6® Inhibits BEAS-2B and MRC-5 Cells Activation Induced by Sars-COV-2: Involvement with Purinergic Signaling** Yanesko F Bella (São José dos campos, Brazil), Carlos R Oliveira, Maysa A R Brandao-Rangel, Anamei Silva-Reis, Lucas S Zamarioli , Patricia Destefano, Edison L Durgion, Danielle B L Oliveira, Rodolfo P Vieira
PA2324	**UPF1 and STAU1 modulate rhinovirus pathophysiology contributing to impaired antiviral immunity in asthma** Rocio Teresa Martinez-Nunez (London, United Kingdom), Adam Richardson, Nicole Ponde, Dustin Bagley, Elena Ortiz-Zapater, Jennifer Rynne, Peter Howarth, Jody Rosenblatt, Michael Edwards
PA2325	**Effect of cigarette smoke extract on inflammatory cytokine and chemokine production in human airway smooth muscle cells** Mushabbab alahmari (NOTTINGHAM, United Kingdom), Abdulrhman Alghamdi, Abdullah Alqarni, Amanda Tatler, Linhua Pang
PA2326	**Effect of cigarette smoke extract on IL-8 production and anti-inflammatory effect of corticosteroids in human airway smooth muscle cells** Mushabbab alahmari (NOTTINGHAM, United Kingdom), Abdulrhman Alghamdi, Abdullah Alqarni, Amanda Tatler, Linhua Pang
PA2327	**Monitoring spirometry-like parameters in mice with house dust mite-induced experimental asthma** Perla Abigail Alvarado-Vazquez (Uppsala, Sweden), Erika Mendez-Enriquez, Jenny Hallgren
PA2328	**Aerobic Exercise Improves Asthma Phenotype in a Model of Severe Asthma: Involvement of Kinins** Maysa A. R. Brandao-Rangel (Sao Jose Dos Campos (SP), Brazil), Renilson Moraes-Ferreira, Anamei Silva-Reis , Victor Hugo Souza Palmeira, Francine Maria Almeida, Fabiana Regina Da Silva Olimpio, Flavio Aimbire, Lucas Santos Zamarioli, Carlos Rocha Oliveira, Nilsa Regina Damaceno-Rodrigues, João Bosco Pesquero, Rodolfo P Vieira
PA2329	**The diagnostic value of leptin in progression of GOLD III COPD in patients with excessive body weight** Nadiya Korzh (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Kseniia Ostrovska, Galyna Korzh, Mariana Kulynych-Miskiv, Oleksandr Varunkiv, Iryna Savelikhina, Kostiantyn Shvets
PA2330	**Dynamics of marker of inflammation - sICAM-1 in the process of treatment of COPD GOLD III destabilization phase in overweight patients.** Nadiya Korzh (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Galyna Korzh, Kseniia Ostrovska, Mariana Kulynych-Miskiv, Oleksandr Varunkiv, Iryna Savelikhina, Kostiantyn Shvets
PA2331	**Aerobic Exercise Effects in Severe Asthma: Involvement of Lung Fibroblast (MRC-5) Cells and Kinins Signaling** Rodolfo De Paula Vieira (Sao Jose Dos Campos (SP), Brazil), Maysa A Rodrigues Brandao-Rangel, Renilson Moraes-Ferreira, Anamei Silva-Reis, Victor H S Palmeira, Francine M Almeida, Fabiana R S Olimpio, Lucas S Zamarioli, Carlos R Oliveira, Nilsa R Damaceno-Rodrigues, João B Pesquero, Flavio Aimbire
PA2332	**The anti-inflammatory effects of helminth-derived peptides in a model of endotoxin-induced acute lung injury** Sinéad Ryan (Belfast, United Kingdom), Jenna Shiels, Clifford C Taggart, John P Dalton, Sinéad Weldon

Pre-congress content Session 262 13:15 - 14:15

E-poster: Exercise tolerance, supportive care and more in non-pulmonary fibrosis interstitial lung diseases

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Interstitial lung diseases

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

Chairs : Yet Hong Khor (Melbourne (VIC), Australia), Fabrizio Luppi (Modena, Italy)

PA2333	**The effect of heated humidified nasal high flow oxygen supply on exercise tolerance in patients with interstitial lung disease.** Yara Al Chikhanie (Dieulefit, France), Daniel Veale, Frédéric Hérengt, Samuel Verges
PA2334	**The corelation between exercise capacity and pulmonary hypertension in different types of ILD in a tertiary care center in India.** Kaumudi Devi (Trivandrum, India), Mahavir Modi
PA2335	**The role of incremental shuttle test after SARS-CoV2 infection** Diana Badenes Bonet (Barcelona, Spain), Diego Rodríguez Chiaradia, Anna Rodó Pin, Oswaldo Caguana Vélez, Cinta Cumplí Gargallo, Roberto Chalela Rengifo, Mireia Admetlló Papiol, Flavio Zuccarino, Dídac Ramal Leiva, Eva Balcells Vilarnau
PA2336	**Correlation of the Distance Saturation Product with spirometric and Diffusion Capacity for Carbon Monoxide data in patients with Interstitial Lung disease** Khouloud Kchaou (Sfax, Tunisia), Soumaya Khaldi, Asma Chaker, Salma Mokaddem, Saloua Jameleddine
PA2337	**Impact of early referral to palliative care in patients with interstitial lung disease** Ana Rodrigo Troyano (Barcelona, Spain), Ana Alonso, Silvia Barril, Oscar Fariñas, Ernest Güell, Antonio Pascual, Diego Castillo
PA2338	**Diaphragm ultrasound in patients with interstitial lung disease (ILD): a prospective study.** Nicol Bernardinello (Trecenta (RO), Italy), Annalisa Boscolo, Elisabetta Cocconcelli, Nicolò Sella, Giulia Andreotti, Federico Rea, Marina Saetta, Paolo Navalesi, Paolo Spagnolo, Elisabetta Balestro
PA2339	**An international survey on genetics in clinical practice for interstitial lung disease.** Michelle Terwiel (Nieuwegein, Netherlands), Raphaël Borie, Bruno Crestani, Liam Galvin, Francesco Bonella, Aurelie Fabre, Antoine Froidure, Matthias Griese, Jan Grutters, Kerri Johannson, Caroline Kannengiesser, Leticia Kawano, Maria Molina-Molina, Antje Prasse, Elisabeth Renzoni, Jasper Van Der Smagt, Venerino Poletti, Katerina Antoniou, Coline Van Moorsel
PA2340	**Assessment of alveolar-capillary membrane permeability using Tc99m – DTPA aerosols in diffuse systemic sclerosis – a cross sectional study** Muniza Bai (PONDICHERRY, India), Dharm Prakash Dwivedi, G Vishnukanth, Nandini Pandit, K G Chengappa, A Subathra, R Sivaranjini
PA2341	**Analysis of patients with interstitial lung disease associated to Systemic Sclerosis treated with cyclophosphamide.** Luiz Paulo Arreguy Nogueira (Belo Horizonte (MG), Brazil), Eliane Mancuzo
PA2342	**Associations between comorbidities and survival in patients with interstitial lung diseases** Tasnim Znegui (borj cerdia, Tunisia), Moussa Nadia, Nour Mahmoud, Kotti Amina, Kallel Nesrin, Gargouri Rahma, Bahloul Najla, Feki Walid, Msaad Sameh, Yengui Ilhem, Ayedi Hajer, Ktata Wajdi, Kammoun Sami
PA2343	**Prevalence and quantification of thoracic pain (TP) through quantitative sensory testing (QST) in patients with chronic interstitial lung disease (cILD)** Francesco Bonella (Düsseldorf, Germany), Manuela Scherer, Sandra Kampe, Gerhard Weinreich, Ulrich Costabel
PA2344	**Interstitial lung disease associated with systemic lupus erythematosus : a monocentric study of 23 cases.** lou deneuville (paris, France), lou deneuville, Karim Sacre, Marie-Pierre Debray, Pascale Nicaise-Roland, Bruno Crestani, Raphael Borie
PA2345	**Subclinical structural or functional lung changes is associated with higher risk of developing lower respiratory tract infection in a tertiary RA cohort.** Benjamin Worcester (Cheltenham, Australia), Dorothy Wang, Michelle Leech
PA2346	**Pulmonary disease associated with rheumatoid arthritis** Maria Inês de Sousa Moreira (Lisboa, Portugal), Ana Magalhães, Sara Silva, Alexandra Borba, João Cardoso
PA2347	**Late Breaking Abstract - Characteristics of Post-COVID-19 interstitial lung syndrome in Bronchoalveolar Lavage: Preliminary results.** Eliza Tsitoura (Heraklion (Crete), Greece), Semeli Mastrodimou, Eirini Vasarmidi, Irini Lampiri, Konstantinos Karagiannis, Vagia Stamatopoulou, Nikos Tzanakis, Katerina Antoniou

PA2348	**Late Breaking Abstract - Prognostic value of serum biomarkers in patients with idiopathic pulmonary fibrosis and correlation with disease progression.** Kalliopi Domvri (Thessaloniki, Greece), Kalliopi Domvri, Apostolos Apostolopoulos, Ioannis Organtzis, Evangelia Fouka, Lamprini Bina, Theodoros Kontakiotis, Despoina Papakosta

Pre-congress content Session 263 13:15 - 14:15

E-poster: Back to infection basics

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

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

Tag(s) : COVID

Chairs : Amelia Shoemark (Dundee (Angus), United Kingdom), Ricardo José (London, United Kingdom)

PA2349	**LSC - 2021 - Nontypeable Haemophilus influenzae supresses SP-B and SP-C expression in alveolar epithelial type I I cells** Hannah Sophie Stodden (Homburg, Germany), Felix Ritzmann (felix.ritzmann@uks.eu / Saarland University - Internal Medicine V,Homburg), Christian Herr (christian.herr@uks.eu / Saarland University - Internal Medicine V,Homburg), Robert Bals (robert.bals@uks.eu / Saarland University - Internal Medicine V,Homburg), Christoph Beisswenger (christoph.beisswenger@uks.eu / Saarland University - Internal Medicine V,Homburg)
PA2350	**The effects of fluticasone propionate in mice infected with Chlamydia pneumoniae** Dóra Paróczai (Deszk, Hungary), Anita Sejben, Dávid Kókai, Dezső Virok, Valéria Endrész, Katalin Burián
PA2351	**Glycine efficacy for prevention or treatment on LPS-acute lung injury in mice** Bryan Shinji Haneda Goto (São Paulo (SP), Brazil), Renato Fraga Righetti, Tabata Maruyama Dos Santos, Leandro Do Nascimento Camargo, Beatriz Mangueira Saraiva-Romanholo, Suellen Karoline Moreira Bezerra, Edna Aparecida Leick, Carla Máximo Prado, Milton De Arruda Martins, Ruben Siedlarczyk Nogueira, José Carlos Sá De Carvalho Neto, Daniel Alexandre De Souza, Bruno Ramos Salu, Maria Luiza Vilela Oliva, Iolanda De Fátima Lopes Calvo Tibério
PA2352	**Baicalin inhibits biofilm formation, attenuates the quorum sensing-controlled virulence and enhances Pseudomonas aeruginosa clearance in vivo** Jinliang Kong (, China), Jing Luo, Ke Wang, Huasong Lu, Shuangqi Cai, Lihua Liu
PA2353	**Variability of ß-lactamase resistance Pseudomonas aeruginosa genes infecting patients with cystic fibrosis** Atqah Abdul Wahab (Doha, Qatar), Emad Ibrahim, Ali A. Sultan, Jana Jass, Mazen A. Sid Ahmed
PA2354	**Non-typeable Haemophilus influenzae biofilm formation on air-liquid interface cultured primary human airway epithelia** Katie L Horton (Southampton, United Kingdom), Raymond N Allan, Janice L Coles, Jana F Hueppe, David W Cleary, Claire L Jackson, Jane S Lucas
PA2355	**Single-cell-sequencing in SARS-COV-2-infected hamsters sheds light on endothelial cell involvement in COVID-19** Geraldine Nouailles (Berlin, Germany), Emanuel Wyler, Peter Pennitz, Dylan Postmus, Daria Vladimirova, Julia Kazmierski, Fabian Pott, Kristina Dietert, Michael Muelleder, Vadim Farztdinov, Benedikt Obermayer, Sandra-Maria Wienhold, Sandro Andreotti, Thomas Hoefler, Birgit Sawitzki, Christian Drosten, Leif E. Sander, Norbert Suttorp, Markus Ralser, Dieter Beule, Achim D. Gruber, Christine Goffinet, Markus Landthaler, Jakob Trimpert, Martin Witzenrath
PA2356	**Decreased neutrophil phagocytosis and killing of bacteria in COVID-19 patients** Masoumeh Nomani (Tehran, Islamic Republic of Iran), Mohammad Varahram, Mona Ghazi, Ian M. Adcock, Esmaeil Mortaz
PA2357	**Cathelicidin as a marker of worsening of the course of lung infection** Tatiana Luchnikova (Blagoveshchensk (Amur Oblast), Russian Federation), Olga Prikhodko, Iraida Menshikova, Tatiana Talchenkova
PA2358	**Inducible epithelial resistance modulates innate antiviral signaling against coronavirus and influenza** Jezreel Pantaleón García (San Nicolás de los Garza, Mexico), Liza Yusem-Cartens, Vikram Kulkarni, Shradha Walii, Michael Longmire, Yongxing Wang, Scott Evans
PA2359	**The role of efflux pump systems and OprD porine in antimicrobial resistance of Pseudomonas aeruginosa strains isolated from patients with bronchiectasis** Roberto Cabrera (Barcelona, Spain), Laia Fernández-Barat, Nil Vázquez, Victoria Alcaráz, Rubén López-Aladid, Leticia Bueno, Rosanel Amaro, Patricia Elena Oscanoa, Laura Muñoz, Jordi Vila, Antoni Torres

PA2360 **From cell cultures to autopsies: study on functionality across different experimental models in SARS-CoV-2 infection.**
Macarena Arroyo Varela (Malaga, Spain), Belén Delgado-Martín, Esperanza Salcedo Lobera, Elena Espinosa García, Rafael Larrosa Jiménez, Rocío Bautista Moreno

PA2361 **Impact of SARS-CoV-2 heat inactivation on active protease biomarkers in sputum sol**
Timothy Ferguson (Belfast (Belfast), United Kingdom), Ciaran Mcgranaghan, Philip Weir, Darragh Mccafferty, Kelly Moffitt

PA2362 **Ciliary videomicroscopy at room temperature might lack sensitivity for primary ciliary dyskinesia diagnosis**
Noemie Bricmont (Florennes, Belgium), Romane Bonhiver, Lionel Benchimol, Maud Pirotte, Catherine Moermans, Anne-Lise Poirrier, Philippe Lefèbvre, Renaud Louis, Marie-Christine Seghaye, Céline Kempeneers

PA2363 **Late Breaking Abstract - Immunomodulatory and clinical effects of RIPK1 inhibitor SAR443122 in patients with severe COVID-19**
Pierre-Francois Clot (CHILLY-MAZARIN, France), Christine Farenc, Benjamin Suratt, Tillmann Krahnke, Agnes Tardat, Peter Florian, Robert Pomponio, Naimish Patel, Maria Wiekowski, Yong Lin, Benjamin Terrier, Heribert Staudinger

PA2364 **Late Breaking Abstract - Analysis of volatile organic compounds in post-COVID-19 patients with eNose technology.**
Bas F. M. van Raaij (Leiden, Netherlands), J.F. Annoeska Hameete, J. Lauran Stöger, Maarten K. Ninaber, J. J. Miranda Geelhoed

PA2365 **Late Breaking Abstract - Impact of COVID-19 on patients with severe alpha1 antitrypsin deficiency: the IMCA1 study of the EARCO ERS Clinical Research Collaboration, preliminary findings.**
David G. Parr (Coventry (West Midlands), United Kingdom), Christian Clarenbach, Joanna Chorostowska-Wynimko, Angelo Corsico, Ilaria Ferrarotti, Lourdes Lázaro-Asegurado , Jose Lopez-Campos, Adriana Rozy, Annelot Sark, Maria Sucena, Jan Stolk, Eva Tabernero Huguet, Hanan Tanash, Marc Miravitlles

PA2366 **Late Breaking Abstract - A single centre observational study of inflammatory biomarkers in Covid 19 and clinically important outcomes**
Indrajit Sau (Sutton Coldfield, United Kingdom), Ehsaan Qureshi, Dominic Richard Mears, Stanley Ejiofor

PA2367 **Late Breaking Abstract - Recombinant Panton-Valentine leukocidin induced dysregulation of cytokines secretion of human alveolar macrophage is not mediated by necrotic effect.**
Yunfeng Shi (GuangZhou, China), Xiaohan Shi, Yunfeng Shi, Wenxian Zhang, Jingjing Liang, Benquan Wu

PA2368 **Late Breaking Abstract - Capture efficiency of mechanically nebulised synthetic nanoparticles, liposomes, SARS -CoV-2 virus-like particles, and infectious pseudotyped virions is influenced by particle surface charge**
John Henderson (Newcastle Upon Tyne, United Kingdom), Ruediger Gross, Sterghios Moschos, Saqib Ali, Theodora Mantso, Ed Wright, Janis Mueller, Jan Muench

Pre-congress content Session 264 13:15 - 14:15

E-poster: Clinical evolution, management and outcomes of patients with rare diffuse parenchymal lung diseases

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Interstitial lung diseases

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

Chairs : Clairelyne Dupin (Paris, France), Olga Torre (Milano (MI), Italy)

PA2369 **Lung fibrosis in Pulmonary Alveolar Proteinosis (PAP): different stages of a syndrome or distinct diseases?**
Sara Lettieri (Pavia, Italy), Francesca Mariani, Cristina Infusino, Davide Piloni, Matteo Bosio, Annalisa De Silvestri, Alessandra Corino, Ilaria Campo

PA2370 **Familial Pulmonary Fibrosis: experience from a tertiary hospital**
Josué Pinto (Porto, Portugal), Patrícia Mota, Natália Melo, António Morais, Helder Novais E Bastos

PA2371 **Lymphangioleiomyomatosis – experience of a university hospital**
Mafalda Martins Baptista (Covilhã, Portugal), Natália Melo, Patrícia Mota, Helder Novais E Bastos, Susana Guimarães, Conceição Souto-Moura, André Carvalho, José Miguel Jesus, Rui Cunha, António Morais

PA2372 **LYMPHANGIOLEIOMYOMATOSIS AND SIROLIMUS: MEDIUM-TERM IMPACT ON PULMONARY FUNCTION**
Marta Garcia Moyano (Barakaldo, Spain), Amaia Urrutia , Leyre Serrano, Ainhoa Gómez, Sonia Castro, Imanol González, Jone Solorzano, Carmen Jaca, Pedro Ansola, Milagros Iriberri

PA2373 **Retrospective evaluation of our cohort of CTD-ILD RA patients treated with Rituximab: 5 years follow up.**
Francesco Bini (Pavia (PV), Italy), Angelo De Lauretis, Cristina Arosio, Bruno Dino Bodini, Stefano Carlo Zucchetti, Maria Chiara Papetti, Adriano Vaghi

PA2374 **Nitrofurantoin Induced Pulmonary Fibrosis: A Case Series**
Samiha Naureen (Colchester, United Kingdom), Shoaib Faruqi, Simon Hart, Nadia Jawad, Nuala Kennan

PA2375 **Experience with antifibrotics treatment in progressive interstitial lung diseases non-IPF**
Ana Belén Llanos-González (La Orotava, Spain), Sara García Gil, Juan Alfonso Bonilla Arjona, Sonia García Hernández, Verónica S. Hernández García, Paula Pérez De Armas, Nelson Mesa León, Orlando Acosta Fernández

PA2376 **Lung functional decline in patients with Interstitial Pneumonia with Autoimmune Features (IPAF)**
Alexandra Nagy (Mosonmagyaróvár, Hungary), Erik Palmer, Enikő Bárczi, Abigél Farkas, Tamás Erdélyi, Krisztina Vincze, Noémi Eszes, Anikó Bohács, Veronika Müller

PA2377 **Role of the inflammasome in the pathophysiology of antisynthetase-associated interstitial lung disease.**
Angel Emmanuel Vega-Sanchez (Ciudad de Mexico, Mexico), Espiridión Ramos-Martínez , Ivette Buendía-Roldan, Gloria Pérez-Rubio, Ramcés Falfán-Valencia, Mayra Mejía, Jorge Rojas-Serrano

PA2378 **Definition of progressive fibrosing interstitial lung diseases and approach to the patientPosition paper of Czech Respiratory Society**
Martina Šterclová (Praha, Czech Republic), Martina Doubkova, Renata Kralova, Petr Pohunek, Vladimir Bartos, Vladimira Lostakova, Pavla Musilova, Martina Vasakova

PA2379 **Retrospective evaluation of our cohort of patients with chronic estrinsic allergic alveolitis.**
Francesco Bini (Pavia (PV), Italy), Maria Chiara Papetti, Umberto Zanini, Bruno Dino Bodini, Paola Faverio, Adriano Vaghi, Giuseppe Pepe, Daniele Colombo

PA2380 **Late Breaking Abstract - B cells are not involved in the regulation of adenoviral TGF-ß1- or bleomycin-induced lung fibrosis in mice**
Marie Moog (Hannover, Germany), Christopher A. Hinze, Lars Knudsen, David S. Deluca, Tobias Welte, Martin Kolb, Ulrich A. Maus

PA2381 **Late Breaking Abstract - Development of a self-management package for pulmonary fibrosis: an international Delphi study**
Joanna Lee (Melbourne, Australia), Gabriella Tikellis, Anne Holland

Pre-congress content Session 265 13:15 - 14:15

E-poster: Pathogenic progress in airway diseases

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

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

Chairs : Sara Cuevas Ocaña (Nottingham, United Kingdom), Arnaud Mailleux (Paris, France)

PA2382 **Epithelial mesenchymal transition (EMT) related changes in small airways of smokers and patients with COPD**
Wenying Lu (Newnham, Australia), James Markos, Colllin Chia, Josie Larby, Greg Haug, Ashutosh Hardikar, Gurpreet Singhera, Tillie Hackett, Mathew Eapen, Sukhwinder Sohal

PA2383 **The strategy for searching of potential ligands for TRPM8 based on use of Deep Neural Networks and Intermolecular Docking**
Evgeniy A. Borodin (Blagoveshchensk, Russian Federation), Nalalya Yu. Leusova, Alexander P. Chupalov, Pavel D. Timkin, Eduard A. Timofeev, Victor P. Kolosov, Juliy M. Perelman

PA2384 **Gene expression and genetic variations of HSP70TLR2 and TLR4 in COPD**
Iva Hlapčić (Zagreb, Croatia), Marija Grdić Rajković, Andrea Hulina-Tomašković, Sanja Popović-Grle, Margareta Radić Antolic, Lada Rumora

PA2385 **Epigenome-wide DNA methylation profile analysis identifies ABLIM3, ADAM19 and PRICKLE2 associated with COPD**
Jia Hou (Yinchuan, China), Xia Wang, Zhijun Zhao

PA2386	**Accelerated aging biomarkers in young, old, mild and severe COPD** Sandra Casas Recasens (Barcelona, Spain), Borja Garcia Cosio, Sergi Pascual-Guardia, Ady Acosta-Castro, Alicia Borras-Santos, Joaquim Gea, Alvar Agustí, Rosa Faner, Early Study Group
PA2387	**Inherited thrombophilia in the development of thrombotic conditions in patients with COPD** Elnorahon Abduganieva (Москва, Russian Federation), Irina Liverko, Kadirjon T. Boboev, Shahboshon Ahmedov
PA2388	**Fatty Acid Desaturases Activity In Patients With Mild And Moderate Asthma** Yulia Denisenko (Vladivostok, Russian Federation), Tatiana Novgorodtseva, Marina Antonuyk , Tatiana Gvozdenko
PA2389	**Epigenome-wide association study of bronchodilator response in African Americans** Javier Perez-Garcia (San Cristóbal de La Laguna, Spain), Annie Li, Esther Herrera-Luis, Angel C.Y. Mak, Luisa N. Borrel, Donglei Hu, Celeste Eng, Kenneth B. Beckman, Kevin L. Keys, Scott Huntsman, Fabian Lorenzo-Diaz, Maria Pino-Yanes, Esteban G. Burchard
PA2390	**Hypoxia-Inducible Factor-1a State in COPD modelingby the method of chronic smoking.** Vera Nevzorova (Vladivostok (Primorsky Krai), Russian Federation), Nataliya Zakharchuk, Victor Chertok, Tatiana Khairzamanova
PA2391	**AQP5 polymorphism affects dynamics of lung function and asthma control in seasons with contrasting air humidity** Denis Naumov (Blagoveshchensk (Amur Oblast), Russian Federation), Evgenia Y. Afanaseva, Olesya O. Kotova, Dina A. Gassan, Elizaveta G. Sheludko, Ivana Y. Sugaylo, Yana G. Gorchakova, Victor P. Kolosov
PA2392	**Association of genetic polymorphisms involved in the histamine metabolism with asthma in children** Olga Savelieva (Ufa, Russian Federation), Alexandra Karunas, Yuliya Fedorova, Esfir Etkina , Elza Khusnutdinova
PA2393	**Intermittent hypoxia up-regulates Renin and Cd38 mRNAs in renin-producing cells via miR-203** Yoshinori Takeda (kashihara, Japan), Asako Itaya-Hironaka, Akiyo Yamauchi, Mai Makino, Sumiyo Sakuramoto-Tsuchida, Hiroyo Ota, Ryuji Kawaguchi, Shin Takasawa
PA2394	**Electronic cigarette aerosol condensate is cytotoxic and increases ACE2 expression in human airway epithelial cells: implications for COVID-19** Kielan McAlinden (Newnham, Australia), Wenying Lu, Parisa Vahidi Ferdowsi, Stephen Myers, James Markos, Collin Chia, Heinrich Weber, Greg Haug, Mathew Eapen, Sukhwinder Singh Sohal
PA2395	**A novel mechanism of autotaxin-mediated cell signaling that is independent of catalytic activity and inhibited by ziritaxestat** Fernando Salgado-Polo (Amsterdam, Netherlands), Razvan Borza, Paul Ford, Bertrand Heckmann, Anastassis Perrakis
PA2396	**Hypoxia induces proinflammatory cytokines production in alpha-1 antitrypsin deficiency patients** María Magallón Serrano (Valencia, Spain), Silvia Castillo, Daniel Pellicer, Lucía Bañuls, Sergio Bondia, María Mercedes Navarro-García, Cruz González , Francisco Dasí
PA2397	**Identification of HuR-specific RNA interactome in TGF-ß1-activated fibroblasts in response to cigarette smoke** Sofia Winslow (Mölndal, Sweden), Llywelyn Griffith, Henric Olsson, Jernej Ule, Zala Jevnikar Rojnik
PA2398	**Transcriptome analysis of ciliary differentiation in airway epithelium** Jelmer Legebeke (Southampton, United Kingdom), Katie Horton, Gabrielle Wheway, Htoo Wai, Claire Jackson, Janice Coles, John Holloway, Jane Lucas, Diana Baralle
PA2399	**Accelerated age-dependent elastin degradation in bronchiectasis** Jeffrey T.-J. Huang (Dundee (Angus), United Kingdom), Elena Kuzmanova, William Macnee, Bruce E. Miller, Ruth Tal-Singer, James D. Chalmers
PA2400	**External quality assessment (EQA) for laboratory diagnosis of alpha1-antitrypsin deficiency (AATD) – Program driven by the European Alpha-1-Research Collaboration (EARCO) network** Ilaria Ferrarotti (Pavia (PV), Italy), Irene Belmonte, Malika Balduyck, Tomàs P Carroll, Angelo G Corsico, Timm Greulich, Noel G Mcelvaney, Marc Miravitlles, Marie-Francoise Odou, Stefania Ottaviani, Francisco Rodríguez-Frías , Ada Rozy, Susana Seixas, Martina Veith, Farid Zerimech, Joanna Chorostowska-Wynimko
PA2401	**Adhesion ratio of blood neutrophils from PiZZ COPD patients prior to and during augmentation treatment with alpha-1-antitrypsin** Urszula Lechowicz (Warsaw, Poland), Stefan Rudziński, Adriana Roży, Joanna Chorostowska-Wynimko, Sabina Janciauskiene

Pre-congress content Session 266 13:15 - 14:15

E-poster: Inhaled treatments for COPD: real-world data

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases | Pulmonary vascular diseases

Method(s) : General respiratory patient care | Pulmonary function testing | Epidemiology | Respiratory intensive care | Public health

Chairs : Danilo C Berton (Porto Alegre (RS), Brazil), David M. G. Halpin (Exeter, United Kingdom)

PA2402	**A retrospective evaluation of lung function and exacerbations in COPD patients-RETRIEVE study.** Stavros Tryfon (Thessaloniki, Greece), Christos Babalis, Athanasios Skliris, Polyanthi Papanastasiou, Maria Bertoli
PA2403	**Characteristics and treatment pathways of patients with COPD receiving a long-acting muscarinic antagonist/long-acting ß2-agonist (LABA/LAMA) in the UK** Gema Requena (Brentford, United Kingdom), Victoria Banks, Alexandrosz Czira, Robert Wood, Theo Tritton, Eunmi Ha, Rosie Wild, Chris Compton, Afisi Ismaila
PA2404	**REALizing and improving management of COPD in China: A prospective observational study** Ting Yang (Beijing, China), Ting Yang, Baiqiang Cai, Bin Cao, Jian Kang , Fuqiang Wen , Yahong Chen , Wenhua Jian, Cheng Wang, Hongyan Shang , Yue Fei
PA2405	**Long Acting B-2 Agonists (LABA) or Anticholinergics (LAMA): Which one is more efficient in Group A COPD Patients?** Muzaffer Onur Turan (Izmir, Turkey), Nalan Ogan, Fulsen Bozkuş, Nurhan Sarıoğlu, Pakize Ayşe Turan, Celal Satıcı
PA2406	**Comparison of initial drug treatment of incident COPD patients with German treatment guidelines** Claus Vogelmeier (Marburg, Germany), Marlene Hechtner, Nils Picker, Angela Neitz, Patrick Hofmann, Ulf Maywald, Thomas Wilke, Roland Buhl
PA2407	**No impact of statins on time to first COPD exacerbation or all-cause mortality** Nina Skalvan Godtfredsen (Hellerup, Denmark), Mathias Weis Damkjær, Kjell Erik Julius Håkansson, Thomas Kallemose, Charlotte Suppli Ulrik
PA2408	**Post Marketing Surveillance to evaluate the safety and effectiveness of Umeclidinuim Bromide in Korean patients with COPD** Hyun-Young Choi (Seoul, Republic of Korea), Soung-Jun Min
PA2409	**Real-world treatment of incident COPD patients in Germany** Roland Buhl (Mainz, Germany), Nils Picker, Marlene Hechtner, Anke Kondla, Patrick Hoffman, Ulf Maywald, Thomas Wilke, Claus F Vogelmeier
PA2410	**Comparing pneumonia incidence in COPD patients treated with or without inhaled corticosteroid** Chin Kook Rhee (Seoul, Republic of Korea), Youlim Kim, Yong Il Hwang, Kwang Ha Yoo, So Eun Lee, Kyung Yoon Jung, Yong Bum Park
PA2411	**Characteristics and treatment pathways of patients with COPD receiving an inhaled corticosteroid/long-acting ß2-agonist (ICS/LABA) in the UK** Alexandrosz Czira (Brentford, United Kingdom), Victoria Banks, Gema Requena, Robert Wood, Theo Tritton, Eunmi Ha, Rosie Wild, Chris Compton, Afisi S. Ismaila
PA2412	**Risk of Haemophilus Influenzae Infection in Patients with Chronic Obstructive Pulmonary Disease Using Inhaled Corticosteroids: A Cohort Study of 23,789 Outpatients.** Raza ul mohsin (Aabenraa, Denmark), Pradeesh Sivapalan, Josefin Eklöf, Mohamad Isam Saeed, Truls Sylvan Ingebrigtsen, Susanne Dam Poulsen, Zitta Barrella Harboe, Kasper Karmark Iversen, Jette Bangsborg, Jens Otto Jarløv, Jonas Bredtoft Boel Boel, Christian Østergaard Andersen, Henrik Pierre Calum, Ram Dessau, Jens-Ulrik Stæhr Jensen
PA2413	**Investigating the drivers for COPD treatment decisions** António Jorge Correia Gouveia Ferreira (Coimbra, Portugal), Per Bakke , Heikki Ekroos, Stéphane Soulard, Monika Haaksma-Herczegh, MONTSERRAT MESTRES-SIMON, Malena Águila-Fuentes, Janwillem Kocks, Onno C.P Van Schayck, Nikolaos Tzanakis, Didier Cataldo
PA2414	**Treatment patterns of patients with chronic obstructive pulmonary disease (COPD) in Ontario, Canada** Erika Penz (Saskatoon, Canada), Karissa Johnston, Christina Qian, Mena Soliman, Stephen Noorduyn, Erika Penz

Pre-congress content | Session 267 | 13:15 - 14:15

E-poster: Mechanical ventilation and weaning

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Respiratory critical care | Sleep and breathing disorders | Interstitial lung diseases

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

Tag(s) : COVID

Chairs : Friederike Sophie Magnet (Köln, Germany), Martin Dres (Paris, France)

PA2415	**Link between muscle function and physical function in critically ill patients** Shanita Chhiba (Cape Town, South Africa), Susan Hanekom, Alison Lupton-Smith
PA2416	**Dysphagia in patients with severe COVID-19 post extubation: Experience from a UK tertiary cardiothoracic centre** Lydia Spurr (London, United Kingdom), Neresha Maistry, Sarah Stagnell, Debbie Field, Elaine Pneh, Anita Simonds
PA2417	**Lung ultrasound assessment of focal and non-focal lung morphology in patients with ARDS – a post-hoc analysis** Marry Smit (Utrecht, Netherlands), Charalampos Pierrakos, Luigi Pisani, Frederique Paulus, Marcus Schultz, Jean-Michel Constantin, Davide Chiumello, Francesco Mojoli, Silvia Mongodi, Lieuwe Bos
PA2418	**Pulmonary disease as a risk factor for transfusion-related acute lung injury in hospitalized patients: a nested case-control study in Japan** Akira Yokoyama (Bunkyo-ku, Tokyo, Japan), Yukiyo Sakamoto, Jo Taisuke, Hirokazu Urushiyama, Hiroyuki Tamiya, Goh Tanaka, Hideo Yasunaga, Takahide Nagase
PA2419	**Evaluating awake prone positioning in acute hypoxemic respiratory failure through the Leaf patient monitoring system : a feasibility study** Miguel Teixeira (Palo Alto, United States of America), Bryant Shannon, Sussanah Empson, Fred Mihm
PA2420	**Effects of tidal volume and PEEP on myocardial performance in ICU patients without ARDS** Anna Geke Algera (Amsterdam, Netherlands), Fabienne Simonis, Charalampos Pierrakos, Michela Botta, Claudio Zimatore, Luigi Pisani, Pieter Roel Tuinman, Lieuwe Bos, Wim Lagrand, Marcelo Gama De Abreu, Paolo Pelosi, Ary Serpa Neto, Marcus Schultz, Thomas Cherpanath, Frederique Paulus
PA2421	**Decannulation and recovery from prolonged mechanical ventilation in a cohort of COVID19 patients** Fernando Gutierrez Pereyra (Barcelona (CT), Spain), Patricia Peñacoba, Carme Puy, Antonio Antón
PA2422	**Validity of ROX index in prediction of risk of intubation in patients with COVID-19 pneumonia** Luci Suliman (Mansoura, Egypt), Taha Abdelgwad, Heba Wageh, Nesrine Farrage
PA2423	**Nursing errors in ICU and their association with burnout, anxiety, insomnia and working environment: a cross-sectional study** Afroditi Boutou (Thessaloniki, Greece), Soultana Betsiou, Georgia Pitsiou, Milly Bitzani, Ioannis Kioumis
PA2424	**Performance of different low-flow oxygen delivery systems.** William Poncin (Bruxelles, Belgium), Grégory Reychler, Christophe De Terwangne, Matthieu Marnette, Frédéric Duprez
PA2425	**Ventilatory and sensory responses to continuous rapid bilateral magnetic stimulation** Kyle Boyle (Zurich, Switzerland), Philipp Eichenberger, Patrick Schön, Christina Spengler
PA2426	**Vitamin D and parathyroid hormone in critically ill septic patients: a prospective study** Irene Karampela (Athens, Greece), Evangelia Chrysanthopoulou, George Skyllas, Panagiotis Simitsis, Gerasimos Socrates Christodoulatos, Evangelia Kandri, Georgios Antonakos, Apostolos Armaganidis, Maria Dalamaga
PA2427	**Benefits of physiologically variable ventilation over pressure-controlled ventilation: a randomized study in a model of pulmonary fibrosis** Andre dos Santos Rocha (Genève, Switzerland), Ferenc Peták, Walid Habre, Adam Balogh
PA2428	**Indications and outcome of patients undergoing IMV in a Respiratory care unit** Balaji Dasiri (KOLKATA, India), Sumit Roy Tapadar, Arunabha Datta Chaudhuri
PA2429	**Major bleeding and thromboembolic events in veno-venous ECMO-patients with isolated respiratory failure. A retrospective analysis** Christoph Fisser (Regensburg, Germany), Simon Baumgartner, Matthias Lubnow, Maximilian Malfertheiner, Alois Philipp, Maik Foltan, Dirk Lunz, Thomas Müller
PA2430	**Dyspnea in pre-hospitalar and emergency medicine – a descriptive analysis** João Paulo Duarte dos Santos Oliveira Rodrigues (Oliveira do Hospital, Portugal), Mário Pinto, Rita Gerardo, João Cardoso

PA2431 **Outcomes of COVID-19 Critical Care Patients in Indonesia Periphery**
Stanley Bahry (Medan, Indonesia), Ferry Dwi Kurniawan, Teuku Zulfikar

PA2432 **Rapid Validation of a Turbine–based Ventilator for Invasive and Non–invasive Ventilation - Tha Acute-19 Ventilator**
Guido Mazzinari (Valencia, Spain), Jose Miguel Alonso-Iñigo, Miguel Casañ-Pallardó, José Ignacio Redondo-Garcia, Jaime Viscasillas-Monteagudo, Alvaro Utierrez-Bautista, José Ramirez-Faz, Damiá Rizó-Morant, Salvador Diaz-Lobato, Ary Serpa-Neto, Oscar Diaz-Cambronero, Maria Pilar Argente-Navarro, Marcelo Gama De Abreu, Paolo Pelosi, Marcus J Schultz

PA2433 **Predictors of weaning success in patients requiring prolonged invasive mechanical ventilation**
Neeraj Shah (New Malden (Surrey), United Kingdom), Rebecca D'Cruz, Jit Tan, Neil Lodhia, Philip Marino, Hina Pattani, Ramsay Michelle, Shelley Srivastava, Joerg Steier, Eui-Sik Suh, Nicholas Hart, Patrick Murphy, Georgios Kaltsakas

PA2434 **Outcomes of weaning from mechanical ventilation after spinal cord injury: a systematic review and meta-analysis**
Annia Fleur Schreiber (Torino (TO), Italy), Jacopo Garlasco, Fernando Vieira, Yie Hui Lau, Dekel Stavi, Andrea Rigamonti, Karen Burns, Jeffrey Singh, Jan Friedrich, Laurent Brochard

Pre-congress content Session 268 13:15 - 14:15

E-poster: Health effects of tobacco and medical professionals

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

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

Tag(s) : Digital health

Chairs : Sofia Belo Ravara (Covilhã, Portugal), Asl Görek Dilekta l (Bursa, Turkey)

PA2435 **Impact of smoking on sleep macro– and microstructure**
Minh Khoa Truong (Lausanne, Switzerland), Mathieu Berger, José Haba-Rubio, Francesca Siclari, Pedro Marques-Vidal, Raphaël Heinzer

PA2436 **Individual risks of developing chronic bronchitis and respiratory symptoms in smokers**
Marina Peredelskaya (Moscow, Russian Federation), Galina Sakharova, Nicalay Antonov, Vladimir Starodubov, Oleg Salagay, Natalya Nenasheva

PA2437 **Oxidative stress induced by secondhand smoking in patients with mixed anxious-depressive disorder.**
Letitia Trofor (Iasi (Iasi), Romania), Mona Dobrin, Ioana Buculei, Oana-Elena Rohozneanu, Radu Crisan-Dabija, Antigona Trofor

PA2438 **Approaches to TB prediction in patients with COPD**
Anna Mordyk (Omsk, Russian Federation), Natalia Bagisheva, Marina Moiseeva

PA2439 **Pediatricians' awareness of tobacco smoking in children and attitude towards interventions**
Hasan Yuksel (Manisa, Turkey), Adem Yasar, Ozge Yilmaz

PA2440 **Severity of obstruction in patients with COPD in a lifecourse approach**
Kelly Cristina Stachewski Verrone (Sorocaba (SP), Brazil), Cibele Isaac Saad Rodrigues, Etienne Duim

PA2441 **Comparison of serum and urine cotinine level according to stage exhaled CO in smokers**
Kristo Kurniawan (Malang, Indonesia), Triwahju Astuti, Teguh Rahayu Sartono

PA2442 **Smoking and BMI in COPD and non-COPD patients**
Spencer Keene (Maastricht, Netherlands), Annmariek Driessen, Rachel Jordan, Alice Sitch, Peymane Adab, Frits Franssen, Frank De Vries

PA2443 **Association between smoking and hypertension control: descriptive and analytical study.**
Verónica Torres Esteche (Montevideo, Uruguay), Paola Sposito, Carolina Acosta, Maximiliano Pereda, Enrique Soto

PA2444 **Impact of Cardiovascular Disease on dyspnea and lung function in a population of Tunisian smokers without airflow limitation**
Khouloud Kchaou (Sfax, Tunisia), Ahmed Ben Ayed, Asma Chaker, Soumaya Khaldi, Salma Mokaddem, Saloua Jameleddine

PA2445 **University Students' Knowledge and Attitudes About Electronic Cigarettes**
Aslı Görek Dilektaşlı (Bursa, Turkey), Ozge Aydın Guclu, Esra Uzaslan, Mehmet Karadag

PA2446 **Compare of prevalence of nicotine usage among medical students from Ukraine and India**
Anna V Demchuk (Vinnytsia, Ukraine), Yuriy M Mostovoy, Vitalii L Poberezhets, Viktoria O Davydova, Tibary Anchumani

PA2447 **What are the main determinants of smoking in African/Middle East college students?**
Sofia Belo Ravara (Covilhã, Portugal), Bukhari Abubakar Adam, Edibe Pirinçci

PA2448 **Electronic cigarette use and perceptions amongst UK medical students: a cross-sectional study**
Luke Holdsworth (Hull, United Kingdom), Dominic Sykes, Medhia Afzal, Martha Ellis-Parkinson, Michael Crooks

Pre-congress content Session 269 13:15 - 14:15

E-poster: Convex probe endobronchial ultrasound and radial probe endobronchial ultrasound

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

Method(s) : Endoscopy and interventional pulmonology | Imaging

Tag(s) : Digital health

Chairs : Felix J.F. Herth (Heidelberg, Germany), Tudor Toma (London, United Kingdom)

PA2449 **Evaluation of the clinical utility of EBUS-TBNA sampling with ROSE (Rapid On-Site Evaluation) in the diagnosis of mediastinal and hilar metastatic non-lung extrathoracic primary carcinoma**
Haider Al-Najjar (Manchester (Greater Manchester), United Kingdom), Matthew Rice, Nadira Narine, Robert Gillott, Durgesh Rana

PA2450 **Efficacy of Rapid On-Site Evaluation (ROSE) with EBUS-TBNA in the diagnosis of Small Cell Lung Cancer (SCLC) and concordance to final cytology results**
Haider Al-Najjar (Manchester (Greater Manchester), United Kingdom), Babar Dildar, Durgesh Rana, Nadira Narine, David Shelton, Ben Teng

PA2451 **EBUS guided trans-bronchial lymph node cryobiopsy (EBUS-TBLNC): A novel technique for lymph node biopsy**
Sameer Arbat (Nagpur (Maharashtra), India), Ashok Arbat, Parimal Deshpande, Swapnil Bakamwar, Gauri Gadge

PA2452 **Endobronchial Ultrasound-guided Transbronchial Cryo Nodal Biopsy (EBUS-TBCNB): A novel approach for mediastinal lymph-node sampling**
Hari Kishan Gonuguntla (SECUNDERABAD, India), Varunn Md, Thiyagesh Ganapathy, Shah Milap, Syeda Samia, Sumita Agrawal, Nitesh Gupta, Venerino Poletti

PA2453 **Suppression of cough by Emblica officinalis extract, dextromethorphan versus placebo during endobronchial ultrasound bronchoscopy: a randomized double blind, double dummy, placebo-controlled trial**
Wanvisa Boonfueang (Bangkok, Thailand), Thitiwat Sriprasart

PA2454 **Comparison of a 22G crown-cut needle with a conventional 22G needle with EBUS guidance in diagnosis of sarcoidosis**
Erik Büscher (Heiligenhaus, Germany), Kaid Darwiche, Francesco Bonella, Rüdiger Karpf-Wissel, Ulrich Costabel, Dirk Theegarten, Johannes Wienker, Julia Wälscher

PA2455 **Rapid on-site cytological evaluation during endobronchial ultrasound guided transbronchial fine needle aspiration**
Margarida Costa e Silva (Vila do Conde, Portugal), Sofia Neves, Sérgio Campainha, Daniel Coutinho, José Almeida, Ana Oliveira

PA2456 **Unexpected diagnosis of pulmonary tuberculosis during bronchoscopy using radial probe endobronchial ultrasound**
Hyun Sung Chung (Busan, Republic of Korea), Jung Seop Eom, Jaemin Lee, Jiyeon Roh, Wanho Yoo, Saerom Kim, Soohyun Bae

PA2457 **Multicenter randomized comparative study of guide sheath and. non-guide sheath methods during endobronchial ultrasound-guided biopsy for peripheral pulmonary lesions**
Masahide Oki (Nagoya, Japan), Hideo Saka, Tatsuya Imabayashi, Daisuke Himeji, Yoichi Nishii, Harunori Nakashima, Daisuke Minami, Shotaro Okachi, Yasuyuki Mizumori, Masahiko Ando

PA2458 **Utility of Novel Flexible Ultrathin Cryoprobe in the Biopsy of Solitary Pulmonary Nodule**
Sze Shyang Kho (Kuching (Sarawak), Malaysia), Khai Lip Ng, Nai Chien Huan , Mona Zaria Nasaruddin , Siew Teck Tie, Jamalul Azizi Abdul Rahaman

PA2459 **Virtual bronchoscopy navigation versus rEBUS in patients with peripheral pulmonary lesions: efficacy in real clinical practice.**
Yana Chesalina (Moscow, Russian Federation), Dmitry Dedushkin, Natalya Karpina, Elena Larionova, Ludmila Semenova, Svetlana Shishova, Ilya Sivokozov

PA2460 **Safety of a sheath cryoprobe for transbronchial biopsy: Preliminary results of the FROSTEBITE Trial**
Jeffrey Thiboutot (Baltimore, United States of America), Christopher Kapp, Andrew Demaio, Priya Sathyanarayan, David Feller-Kopman, Hans Lee, Najib Rahmen, Gerard Silvestri, Fabien Maldonado, Lonny Yarmus

PA2461 **Corellation between probe-based confocal laser endomicroscopy (pCLE) and chest CT patterns in pulmonary tuberculosis**
Igor Mamenko (St. Petersburg, Russian Federation), Igor Vasilev, Uliana Smolnikova, Irina Tabanakova, Petr Yablonskiy

PA2462 **Transbronchial microwave ablation: feasibility and safety assessment in a porcine model**
Renelle Myers (Vancouver, BC, Canada), Felix Herth, Stephen Lam, John Yee, Jan Sebek, Warren Beard, Maggie Highland, David Biller, David Hodgson, Kun-Chang Yu, Abbe Smith, Nick Hemphill, Faraz Chamani, Zixuan Wang, Pegah Faridi, Radoslav Bortel, Steven Goh, Henky Wibowo, Punit Prakash

Pre-congress content Session 270 13:15 - 14:15

E-poster: Immunological and molecular characterisation of tuberculosis disease and infection

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Pulmonary vascular diseases

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

Chairs : Igor Mokrousov (St. Petersburg, Russian Federation), Cristina Prat Aymerich (Badalona (Barcelona), Spain)

PA2463 **Associations between lipid mediators and cytokine production at different stages of MTB infection**
Yana Todorova (Sofia, Bulgaria), Radoslava Emilova, Vladimir Milanov, Elizabeta Bachiyska, Yuliana Atanasova, Ana Baykova, Maria Nikolova

PA2464 **Cardiotoxicity of a complex of anti-tuberculosis drugs with the inclusion of fluoroquinolones and bedaquiline in an experiment on rats**
Galina Mozhokina (Moscow, Russian Federation), Galina Mozhokina, Uliya Zuzya

PA2465 **Mycobacterial small noncoding RNAs MTS0997 and MTS1338 are novel virulence factors of M. tuberculosis.**
Galina Shepelkova (Moscow, Russian Federation), Vladimir Evstifeev, Ilya Sivokozov, Tatiana Azhikina, Atadzhan Ergeshov, Vladimir Yeremeev

PA2466 **Inflammation regulating cytokines in TB affected tissues.**
Vladimir Yeremeev (Moscow, Russian Federation), Galina Shepelkova, Vladimir Evstifeev, Ruslan Tarasov, Mamed Bagirov

PA2467 **Expression of MDR1 gene encoding P-glycoprotein is significantly increased in active pulmonary tuberculomas**
Maria Erokhina (Moscow, Russian Federation), Larisa Lepekha, Ekaterina Rybalkina, Ekaterina Pavlova, Ruslan Tarasov, Elena Krasnikova, Atadzhan Ergeshov

PA2468 **CELL DEATH MODES OF WHITE BLOOD CELLS IN PATIENTS WITH COMMUNITY-ACQUIRED PNEUMONIA AND PULMONARY TUBERCULOSIS**
Olga Hovardovska (Kharkiv, Ukraine), Olga Schevchenko, Oksana Nakonechna, Yuliia Kalashnyk-Vakulenko, Anton Tkachenko, Anatolii Onishchenko, Yelizaveta Manchenko

PA2469 **Indoleamine 2,3-dioxygenase 1 (IDO1) activity arrests the apoptosis of Mycobacterium tuberculosis (M. tuberculosis)-infected macrophages**
Lihui Guo (Amsterdam, Netherlands), Bente Hollestelle, Samantha A.M. Tromp, Annemiek Dijkhuis, Rene Lutter

PA2470 **The gut microbiota state in patients with pulmonary tuberculosis.**
Violetta Shorokhova (Moscow, Russian Federation), Rizvan Abdullaev, Oksana Komissarova

PA2471 **Antimycobacterial signaling pathways are differentially regulated in alveolar macrophages of tuberculosis patients**
Elena Ufimtseva (Novosibirsk, Russian Federation), Natalya Eremeeva, Diana Vakhrusheva, Sergey Skornyakov

PA2472 **Characteristic of M.tuberculosis in the Central Region of the Russian Federation (2017-2019)**
Tatiana Smirnova (Moscow, Russian Federation), Sofya Andreevskaya, Larisa Chernousova, Elena Larionova, Atadzan Ergeshov

PA2473 **The Beijing genotype dominates the multidrug-resistant Mycobacterium tuberculosis population in North-West Russia**
Anna Vyazovaya (St. Petersburg, Russian Federation), Alena Gerasimova, Natalia Solovieva , Daria Starkova, Neliya Vasilieva , Daria Terentieva, Regina Mudarisova, Viacheslav Zhuravlev , Olga Narvskaya

PA2474 **Electronic antibiograms of Mycobacterium tuberculosis using Illumina whole genome sequencers data and Mykrobe software tool predictor.**
Vladimir Tolchkov (Sofia, Bulgaria)

PA2475 **Highly lethal strain cluster of the Mycobacterium tuberculosis Beijing genotype endemically prevalent in Buryatia, Russia**
Igor Mokrousov (St. Petersburg, Russian Federation), Tatiana Vinogradova, Marine Dogonadze , Maria Badleeva, Irina Yarusova, Natalia Zabolotnykh, Maria Vitovskaya, Anna Vyazovaya, Alena Gerasimova, Svetlana Zhdanova, Polina Khromova, Viachelsav Sinkov, Vladimir Molchanov, Ekaterina Chernyaeva, Natalia Solovieva, Oksana Pasechnik, Oleg Ogarkov

PA2476 **Determination of the six polymorphisms in the NAT2 gene helps to predict isoniazid side effects.**
Ksenia Galkina (Moscow, Russian Federation), Maria Sviridenko, Elena Nosova, Anastasia Khakhalina, Alexandra Isakova, Svetlana Safonova

PA2477 **Changes in the metabolism of Mycobacterium tuberculosis during the course of TB treatment**
Julia Bespyatykh (Moscow, Russian Federation)

PA2478 **Late Breaking Abstract - Transcriptomic signature for precise prediction of systemic drug reaction during 3HP treatment for latent tuberculosis infection**
Jann-Yuan Wang (Taipei, Taiwan), Hung-Ling Huang, Jinn-Moon Yang, Inn-Wen Chong

PA2479 **Late Breaking Abstract - Clinical and epidemiological characteristics of Co-infection: respiratory tuberculosis and COVID-19.**
Elena Klester (Barnaul (Altai Region), Russian Federation), Karolina Klester, Margarita Shchigaleva, Polina Lyashko, Lianna Hachatryan

PA2480 **Late Breaking Abstract - Bedaquiline enhances receptor phagocytosis and decreases IL1b production in human pro -inflammatory macrophages**
Ekaterina Pavlova (Moscow, Russian Federation), Maria Erokhina

Pre-congress content Session 271 13:15 - 14:15

E-poster: From phenotyping to different diagnostic tools for sleep breathing disorders

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Sleep and breathing disorders Airway diseases

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

Chairs : Simon Dominik Herkenrath (Köln, Germany), Renata L. Riha (Edinburgh (Edinburgh), United Kingdom)

PA2481 **VALIDITY OF A “NON-CONTACT” DIAGNOSTIC METHOD OF SLEEP ANALYSIS BY THERMOGRAPHIC CAMERA AND ARTIFICIAL INTELLIGENCE.**
Paula Rodriguez Rodriguez (Vitoria, Spain), Aitor Moreno Fernández De Leceta, Alexeiv Martínez García, Salvador Delis Gómez, Carla Pía Martínez, Ainhoa Alvarez Ruiz De Larrinaga, Joaquín Duran-Cantolla

PA2482 **VALIDITY OF A DIAGNOSTIC METHOD BY “NO CONTACT” TECHNOLOGY IN DETECTION OF SLEEP APNEA THROUGH A THERMOGRAPHIC CAMERA AND ARTIFICIAL INTELLIGENCE.**
Paula Rodriguez Rodriguez (Vitoria, Spain), Aitor Moreno Fernández De Leceta, Alexeiv Martínez García, Carla Pía Martínez, Salvador Delis Gómez, Ainhoa Alvarez Ruiz De Larrinaga, Joaquin Durán-Cantolla

PA2483 **Comparative study between automatic and manual scoring in the diagnosis of sleep apnea by home respiratory polygraphy**
Pedro Amorim (Porto, Portugal), Cláudio Gomes, Ana Sofia, Marta Drummond, Tiago Jacinto

PA2484 **Validation study of a new analysis software to screen sleep respiratory disorders**
Alberto Braghiroli (gattico-Veruno (NO), Italy), Alberto Braghiroli, Carlo Sacco, Andrea Giordano, Massimo Godio, Fabio Rossato, Sabrina Rossi, Sonia Carli, Bruno Balbi, David Kuller, Elisa Morrone

PA2485 **Can snoring intensity predict high blood pressure in the obstructive sleep apnea-hypopnea syndrome?**
Esma Jameleddine (Tunis, Tunisia), Souha Kallel, Khouloud Kchaou, Serra Guesmi, Firas Maalej, Ilhem Charfeddine

PA2486	**OSA patients not treated with PAP - evolution 5 years ahead according to Baveno classification** Mariana Serino (Braga, Portugal), Catarina Cardoso, Ricardo José Cordeiro, Joana Ferra, Filipa Aguiar, Daniela Rodrigues, Margarida Redondo, Mafalda Van Zeller, Marta Drummond
PA2487	**Predictors of end-organ damage in patients with Obstructive Sleep Apnea according to the Baveno classification** Mariana Serino (Braga, Portugal), Catarina Cardoso, Ricardo José Cordeiro, Joana Ferra, Filipa Aguiar, Daniela Rodrigues, Margarida Redondo, Mafalda Van Zeller, Marta Drummond
PA2488	**Polygraphic parameters do not correlate with obstructive sleep apnoea (OSA) symptoms according to Baveno** Simon Dominik Herkenrath (Köln, Germany), Winfried Randerath, Marcel Treml, Ludger Grote, Jan Hedner, Maria R. Bonsignore, Jean-Louis Pépin, Silke Ryan, Sophia E. Schiza, Johan Verbraecken, Walter T. Mcnicholas, Athanasia Pataka, Paweł Śliwiński, Özen K. Basoglu
PA2489	**Respiratory polygraphy patterns and risk of cardiovascular events in patients with acute coronary syndrome** Andrea Zapater Matute (Lleida, Spain), Manuel Sánchez-De-La-Torre, Alicia Sánchez-De-La-Torre, Esther Gracia-Lavedan, Iván David Benítez, Gerard Torres, Ferran Barbé
PA2490	**AHI and the polysomnographic risk factors for predicting 5 to 8 years mortality in patients with OSA** Yelda Varol (Izmir, Turkey), Isil Karasu, Burcu Oktay Arslan, Zeynep Zeren Ucar
PA2491	**Association of symptom subtypes and obstructive sleep apnoea-specific hypoxic burden with cardiovascular morbidity and all-cause mortality** Wojciech Trzepizur (Angers, France), Margaux Blanchard, Timothée Ganem, Frédéric Balusson, Mathieu Feuilloy, Jean-Marc Girault , Nicole Meslier , Emmanuel Oger , Audrey Paris, Thierry Pigeanne, Jean-Louis Racineux, Chloé Gervès-Pinquié, Frédéric Gagnadoux
PA2492	**Positive airway pressure level based upper airway collapsibility classification – the European Sleep Apnea Database (ESADA)** Ding Zou (Göteborg, Sweden), Sophia Schiza, Tarja Saaresranta, Athanasia Pataka, Johan Verbraecken, Carolina Lombardi, Holger Hein, Pavol Joppa, Ondrej Ludka, Maria R. Bonsignore, Silke Ryan, Ozen K. Basoglu
PA2493	**Cultural Values in the ESADA Database** Renata L. Riha (Edinburgh (Edinburgh), United Kingdom), Serafeim-Chrysovolantis Kotoulas, Athanasia Pataka
PA2494	**Residual daytime sleepiness (RES) in CPAP-treated obstructive sleep apnea (OSA) patients in the European Sleep Apnea Database (ESADA)** Calogero Davide Giuseppe Barbera (Campobello di Mazara (TP), Italy), Fabio Cibella, Francesco Fanfulla, Jean-Louis Pepin, Walter Mc Nicholas, Sophia Schiza, Tarja Saaresranta, Jan Hedner, Ludger Grote, Johan Verbraecken, Maria Rosaria Bonsignore On Behalf Of The Esada Study Group
PA2495	**The sleepy phenotype in mild Obstructive Sleep Apnoea (OSA) patients: from clinical characteristics to cardiometabolic risk. Data from the European Sleep Apnea Database (ESADA).** Izolde Bouloukaki (Heraklion (Crete), Greece), Marisa Bonsignore, Ludger Grote, Walter Mcnicholas, Jan Hedner, Johan Verbraecken, Silke Ryan, Carolina Lombardi, Ozen Basoglu, Athanasia Pataka, Fransesco Fanfulla, Sebastien Bailly, Jean-Louis Pepin, Paschalis Steiropoulos, Sophia Schiza
PA2496	**Patient and partner reporting sleepiness in patients with obstructive sleep apnoea using the Epworth Sleepiness Scale .** Kallirroi Lamprou (Athens, Greece), Konstantinos Chaidas, Konstantinos Stamopoulos, Hussein Chrief , John Stradling, Annabel Nickol
PA2497	**Reasons for women visiting sleep unit – A Greek population** Effrosini Dima (Athens, Greece), Ioanna Sigala , Aliki Minaritzoglou, Thanasis Kallimanis, Paraskevi Katsaounou, Manos Vagiakis
PA2498	**Polysomnographic and Clinical Characteristics of Positional Obstructive Sleep Apnea Patients** Seda Beyhan Sagmen (Istanbul, Turkey), Sevda Sener Comert
PA2499	**The value of checking sensitisation status in adults with suspected sleep apnoea** Caroline Gouder (SAN GWANN [San Ġwann], Malta), Caroline Gouder, Stephen Montefort, Joan Bartra
PA2500	**Predictive spirometry values of maximum respiratory pressures** Miguel Trigueiro Rocha Barbosa (Viana do Castelo, Portugal), João Valença

Pre-congress content Session 272 13:15 - 14:15

E-poster: Future advances in respiratory physiology

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases Sleep and breathing disorders

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

Chairs : Max Thomas (Birmingham, United Kingdom), Rachel Ong-Salvador (Amsterdam, Netherlands)

PA2501	**Does smoking history change depending on the way questions are asked?** Daniel Schuermans (Bruxelles, Belgium), Samuel De Bontridder, Shane Hanon, Eef Vanderhelst
PA2502	**Impact on spirometry quality results when using 2005 or 2019 ATS/ERS guidelines** Eva Topole (Ljubljana, Slovenia), Sonia Biondaro, Isabella Montagna , Sandrine Corre, Sanja Stanojevic, Nilakash Das, Kevin Ray, Marko Topalovic
PA2503	**Long-term accuracy of DLCO devices** Matthew Hegewald (Murray, United States of America), Robert Jensen, Christian Buess
PA2504	**Evaluation of the Air Next spirometer in paediatric cystic fibrosis patients.** Natalie Blyth (Nottingham, United Kingdom), Natalie Blyth, Prakash Patel, Joe Madge, Harriet Lambert, Molla Imaduddin Ahmed, Erol Gaillard
PA2505	**ArtiQ.QC facilitates spirometry quality control in asthma and COPD clinical trials** Eva Topole (Ljubljana, Slovenia), Sonia Biondaro, Isabella Montagna , Sandrine Corre, Sanja Stanojevic, Nilakash Das, Kevin Ray, Marko Topalovic
PA2506	**Impact of exercise training on pulmonary diffusing capacity in diabetes** Corentin Scoubeau (Vilvoorde, Belgium), Emilie Maufroy, Cyril Tordeur, Vitalie Faoro
PA2507	**Pulmonary function in patients with sporadic lymphangioleiomyomatosis.** Alexander Cherniak (Moscow, Russian Federation), Marina Makarova, Sergey Avdeev
PA2508	**A systematic review of the quality and fit of local spirometry studies to the Global Lung Initiative (GLI) and global chronic respiratory disease burden** Duron Prinsloo (Carlton South,VIC 3053, Australia), Duron Prinsloo, Gary Nolan, Nadine Pyne, Suzanne Munns
PA2509	**Medical rehabilitation of patients after COVID-19 and its impact on lung function and quality of life.** Olga Savushkina (Moscow, Russian Federation), Alexander Cherniak, Maria Malashenko, Evgeniy Kryukov
PA2510	**The acceptability criterion for the difference between the forced inspiratory vital capacity (FIVC) and the forced vital capacity (FVC) are too strict?** Mikhail Chushkin (Moscow, Russian Federation), Lydia Popova , Elena Shergina, Anna Egorova, Natalya Karpina
PA2511	**Is COPD Assessment Test score better correlated with airflow limitation or Hyperinflation?** Soumaya Khaldi (Borj Cedria, Tunisia), Khouloud Kchaou, Asma Chaker, Salma Mokaddem, Saloua Ben Khamsa Jameleddine
PA2512	**Utility of predischarge spirometry in AECOPD discharges** Samir Naik (Harlow (Essex), United Kingdom), Ravi Ragatha, Mohammad Anwar, James Seigel
PA2513	**The within session repeatability of spirometry parameters in patients with chronic obstructive pulmonary diseases** Mikhail Chushkin (Moscow, Russian Federation), Lydia Popova , Elena Shergina, Anna Egorova, Natalya Karpina
PA2514	**Prevalence of altering selected spirometry maneuvers in asthma clinical trials.** Carl D. Mottram (Rochester, United States of America), Grant Sowman
PA2515	**Impacts of transitioning to Global Lung Function Initiative (GLI) spirometry reference ranges on airflow classification and severity in Papua New Guinea.** Shalon Taufa (Port Moresby, Papua New Guinea), Suzanne Munns
PA2516	**The association of body mass index with lung function in patients treated for pulmonary tuberculosis** Mikhail Chushkin (Moscow, Russian Federation), Lydia Popova, Elena Shergina, Veronika Beketova, Anna Egorova, Natalya Karpina
PA2517	**Effect of professional football practice on Maximal Inspiratoryand Expiratory Pressures** Asma Chaker (Ariana, Tunisia), Soumaya Khaldi, Sahar Chakroun, Khouloud Kchaou, Saloua Ben Khamsa Jameleddine

Pre-congress content Session 273 13:15 - 14:15

E-poster: Asthma and COPD meets COVID-19: new diagnostic tools and results from clinical trials

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

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

Chairs : Alberto Papi (Ferrara, Italy), Francesca Polverino (Tucson, United States of America)

PA2518	**Diagnostic utility of serum periostin for house dust mite sublingual immunotherapy response in allergic rhinitis** Makoto Hoshino (Atami, Japan), Kenta Akitsu, Kengo Kubota, Junichi Ohtawa
PA2519	**Dupilumab sustains long-term OCS reduction in OCS-dependent asthma patients** Michael E. Wechsler (Denver, United States of America), Lawrence Sher, Klaus F. Rabe, Jorge F. Maspero, Nadia Daizadeh, Xuezhou Mao, Benjamin Ortiz, Leda P. Mannent, Elizabeth Laws, Marcella Ruddy, Nami Pandit-Abid, David J. Lederer, Megan Hardin
PA2520	**SNOT-22 items and association with objective measures in dupilumab-treated patients with severe chronic rhinosinusitis with nasal polyps from SINUS-24 and SINUS-52 trials** Joaquim Mullol Miret (Barcelona, Catalonia, Spain), Giorgio Walter Canonica, Martin Wagenmann, Andre Coste, Peter Hellings, Scott Nash, Siddhesh Kamat, Urvi Mujumdar, Jérôme Msihid, Asif H Khan, Shahid Siddiqui, Juby A Jacob-Nara, Yamo Deniz, Paul Rowe
PA2521	**Efficacy of dupilumab in patients with oral corticosteroid (OCS)-dependent, severe asthma with and without an allergic phenotype: phase 3 LIBERTY ASTHMA VENTURE** Alberto Papi (Ferrara, Italy), Guy Brusselle, Bradley E. Chipps, Jérôme Msihid, Juby A. Jacob-Nara, Yamo Deniz, Paul Rowe, Rebecca Gall, Benjamin Ortiz, Michel Djandji, Amr Radwan
PA2522	**Evaluation of nasal response to birch allergen in ALYATEC EEC as compared to NPT** Alina Gherasim (Strasbourg, France), Alina Gherasim, Frank Dietsch, Marine Beck, Maude Meyer, Thibaut Riff, Nathalie Domis, Frédéric De Blay
PA2523	**Platelet aggregation status in chronic obstructive pulmonary disease associated with SARS-Cov-19** Lilia Todoriko (Chernivtsi, Ukraine), Mykola Gumeniuk, Ihor Semianiv, Tania Sprynsian, Olexandr Denisov
PA2524	**Severe asthma biologic treatment in the era of COVID-19 – case series** Pedro Miguel Nogueira Costa (Fafe, Portugal), Cláudia Chaves Loureiro
PA2525	**Is asthma a risk factor for severe outcomes in COVID 19?** Walid Feki (Sfax, Tunisia), Amal Saidani, Sabrine Maddeh, Nesrine Kallel, Nadia Moussa, Rahma Gargouri, Amina Kotti, Najla Bahloul, Samy Kammoun
PA2526	**Late Breaking Abstract - DCLK1 mediates thrombin-induced IL-8/CXCL8 expression in lung epithelial cells** Fara Silvia Yuliani (Taipei, Taiwan), Jing-Yun Chen , Wun-Hao Cheng, Heng-Ching Wen, Bing-Chang Chen, Chien-Huang Lin
PA2527	**Late Breaking Abstract - Steroid resistance in obese asthmatic patients: a potential role of obesity-related systemic oxidative stress** Masako To (Saitama, Japan), Natsue Honda, Ichino Kano, Kosuke Haruki, Yasuo To
PA2528	**Late Breaking Abstract - Hypoxia dampens the allergen-dependent adaptive immune response and ameliorates allergic asthma in vivo** Mathias Hochgerner (Graz, Austria), Eva M Sturm, Diana Schnoegl, Grazyna Kwapiszewska, Horst Olschewski, Leigh M Marsh
PA2529	**Late Breaking Abstract - Delivery of anti-inflammatory and anti-oxidant synthetic mRNA to a rodent ARDS model by vibrating mesh nebulisation** Sean McCarthy (Galway, Ireland), Matthew Angel, Christopher Rohde, Claire Masterson, Ronan Macloughlin, John Laffey, Daniel O'Toole
PA2530	**Late Breaking Abstract - Enhanced IL-33 response in differentiated human TH2 cells carrying the IL-1RL1 asthma risk genotype** Akshaya Keerthi Saikumar Jayalatha (Groningen, Netherlands), Laura Hesse, Marlies Ketelaar, Maarten Van Den Berge, Victor Gurvey, Gerard Koppelman, Martijn Nawijn

Pre-congress content | Session 274 | 13:15 - 14:15

E-poster: Interstitial lung disease, COVID-19 and friends

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

Method(s) : Pulmonary function testing | Imaging | Epidemiology | General respiratory patient care | Respiratory intensive care

Tag(s) : COVID, Digital health

Chairs : Antje Prasse (Hannover, Germany), Martina Bonifazi (Ancona (AN), Italy)

PA2531	**Impact and outcome of COVID-19 on SSc-ILD** Anna Maria Hoffmann-Vold (Oslo, Norway), Cathrine Brunborg, Francesca Tirelli, Patricia E Carreira, Nicoletta Del Papa, Arsène Mekinian, Madelon Vonk, Alessandro Giollo, Giacomo De Luca, Maria De Santis, Corrado Campochiaro, Carina Mihai, Paolo Airo, Maria-Grazia Lazzaroni, Elisabetta Zanatta, Rosario Foti, Yannick Allanore, Daniel E. Furst, Marco Cerinic-Matucci, Armando Gabrielli, Oliver Distler
PA2532	**Decisional algorithm in the differential diagnosis of lung outcomes from COVID-19.** Simonetta Vernocchi (Gallarate, Italy), Teresa Serini, Andreas Aceranti, Ombretta Grassi, Luca Tomaello, Erica Pagliaro, Nicola Mumoli
PA2533	**Homemonitoring after hospital admission for COVID-19:the HOMECOMIN' study** Gizal Nakshbandi (Barendrecht, Netherlands), C. C. Moor, E. J. Nossent, J. J. M. Geelhoed, B. Boerrigter, M. E. Hellemons, S. Huijts, S. F. M. Nijman, H. Y. Santema, M. S. Wijsenbeek
PA2534	**Improvement in SARS-CoV2 lung interstitial injuries with systemic corticosteroid treatment** Paula Copil (Bucharest, Romania), Claudia Toma, Stefan Dumitrache-Rujinski, Tudor Constantinescu, Ionela Belaconi, Catalina Ene, Inna Ruseva, Cicerone Iordache, Eddan Athir, Roxana Nemes
PA2535	**Pulmonary sequelae in patients with COVID-19: results after 3 months of follow-up** Anna Stainer (Vigevano, Italy), Paola Faverio, Sara Busnelli, Fabrizio Luppi, Anna Monzani, Francesco Ammatuna, Filippo Montanelli, Martina Catalano, Luca Parachini, Stefano Zucchetti, Alberto Pesci
PA2536	**Seasonal epidemiology and clinical manifestations of interstitial lung diseases (ILD) as an important criterion for differential diagnosis viral pneumonia with pulmonary arterial hypertention (PAH) associated with severe COVID-19.** Oleh Yakovenko (Lutsk, Ukraine), Tetiana Yakovenko, Olga Liuta
PA2537	**Management of patients with ARDS secondary to Covid-19 who develop fibrotic changes in the Intensive Care Unit** Guadalupe Bermudo Peloche (Barcelona, Spain), Maria Molina, Vanesa Vicens, Marta Hernández, Guillermo Suárez, Pere Trias, Jaume Bordas, Salud Santos, Santiago Bolivar, Belen Del Rio, Joan Sabater, Xavi Perez, Ramon Jodar, Maria Paz Fuset
PA2538	**Continued nintedanib treatment in patients with progressive fibrosing ILDs: interim analysis of INBUILD-ON** Wim A Wuyts (Leuven, Belgium), Francesco Bonella, Nazia Chaudhuri, Francesco Varone, Danielle Antin-Ozerkis, Heiko Mueller, Carl Coeck, Klaus B Rohr, Vincent Cottin
PA2539	**Safety and tolerability of nintedanib in patients with fibrosing interstitial lung diseases: pooled data from four trials** Claudia Valenzuela (Madrid, Spain), Shervin Assassi, Francesco Bonella, Toby M Maher, Lazaro Loaiza, Inga Tschoepe, Leticia Orsatti, Martin Kolb
PA2540	**Characteristics of Connective Tissue Diseases Associated Interstitial Lung Diseases - A Single Centre Study in Sri Lanka** Prasanjanie Anuruddhika Jayasinghe (COLOMBO, Sri Lanka), Nuwan Wickramasinghe, Prathapan Krishnakumar, Afla Sadikeen, Amitha Fernando
PA2541	**Interstitial lung diseases frequency in a regional reference center in Brazil** Agostinho Hermes Medeiros De Neto (João Pessoa (PB), Brazil), Mariana Pereira Morais, Kercia Dantas Saraiva, Maria Alenita Oliveira, Jacinta Maria Parente Vieira, Alessandra Souza Braz, Felipe Reis Silva Queiroz, Alexandre Rolim Paz, Petrucio Abrantes Sarmento, Francisco Antonio Barbosa Queiroga, Daniel Pires Pessoa
PA2542	**Incidence, prevalence and mortality of rheumatoid arthritis-associated interstitial lung disease : a retrospective study** Anna Denis (Malmedy, Belgium), Monique Henket, Fanny Gester, Marie Thys, Marie Ernst, Nathalie Maes, Laurie Giltay, Anne-Noëlle Frix, Quentin Maloir, Colin Desir, Paul Meunier, Renaud Louis, Julien Guiot
PA2543	**Pneumocystis jiroveci Pneumonia prophylaxis in patients treated with mycophenolate mofetil for interstitial lung disease** Peter J Ireland (Newcastle Upon Tyne, United Kingdom), Lyndsey Langlands, Claire Donaldson, A John Simpson, Ian A Forrest, Sarah Wiscombe, Wendy Funston

PA2544	**Pleural plaque volume correlation to lung function and artificial intelligence-driven pleural plaque quantification** Kevin Bernardus Wilhelmus Groot Lipman (Amsterdam, Netherlands), Thierry N. Boellaard, Cornedine J. De Gooijer, Nino Bogveradze, Eun Kyoung Hong, Federica Landolfi, Francesca Castagnoli, Luciano Castro Cavallo, Natalya Lebedyeva, Ferdi Van Der Heijden, Regina G. H. Beets-Tan, Zuhir Bodalal, Sjaak Burgers, Stefano Trebeschi

Channel 1 Session 275 14:35 - 15:50

Challenging clinical cases: CCC Interstitial lung diseases

Aims : To describe the history, pathology, analysis and treatment of complex clinical cases in interstitial lung diseasese area. The session leaders will facilitate discussion among the case presenters and the audience in order to examine and discuss each case.

Disease(s) : Interstitial lung diseases

Tag(s) : Clinical

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

Chairs : Hilario Nunes (Bobigny, France), Elisabetta Renzoni (London, United Kingdom)

14:35	**Introduction**	**2545**
14:40	**A paucisymptomatic sandstorm?** Gioconda Gabriela Narvaez Ludeña (Sabadell, Spain)	**2546**
14:50	**A difficult case of acute lung injury** Silvia Puglisi (Catania (CT), Italy)	**2547**
15:00	**Cysts and systemic findings: think about rare diseases** Andrei Darie (Basel, Switzerland)	**2548**
15:10	**Are electronic cigarettes the real solution to quit smoking?** Fatima Andres Franch (Sueca (Valencia), Spain)	**2549**
15:20	**A case with a loaded answer** Karen Czischke Ljubetic (Santiago, Chile)	**2550**
15:30	**Discussion and Q&A**	**2551**

Channel 2 Session 276 14:45 - 16:15

Oral presentation: New insights into the pathophysiology and prognosis of COPD

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Airway diseases Pulmonary vascular diseases

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

Chairs : Pierantonio Laveneziana (Paris, France), Georgios Kaltsakas (Athens, Greece)

OA2552	**Introduction**
OA2553	**Severe exertional dyspnoea in COPD: Implications for exercise tolerance and survival** J. Alberto Neder (Kingston (ON), Canada), Juan Pablo De Torres, M. A. Martin-Palmero, Danilo C Berton, Philips Devin, Matthew James, Sandra Vincent, Denis E. O'Donnell
OA2554	**Altitude effect on COPD in SPIROMICS cohort** Rajat Suri (Los Angeles, United States of America), Daniela Markovic, Donald P Tashkin, Christopher B Cooper, Robert Paine, Andrew Freeman, Mehrdad Arjomandi, R. Graham Barr, Russell P Bowler, Russell G Buhr, Jeffrey L Curtis, Mark T Dransfield, M. Brad Drummond, Spyridon Fortis, Meilan Han, Eric A Hoffman, Victor Kim, Wanda Kay O'Neal, Victor Ortega, Fernando J Martinez, Steve Rennard, Prescott Woodruff, Igor Barjaktarevic
OA2555	**Low DLCO, reduced pulmonary blood volume and ventilatory inefficiency in smokers with mild emphysema** Amany Fathy Elbehairy (Alexandria, Egypt), Sandra G. Vincent, Devin B. Phillips, Matthew D. James, Jenna Veugen, Grace Parraga, Denis E. O'Donnell
OA2556	**The effects of short-term nocturnal non-invasive ventilation (NIV) on respiratory muscle functional capacity in COPD patients with chronic hypercapnic respiratory failure (CHRF)** Zafeiris Louvaris (Leuven, Belgium), Nina Cardinaels, Eva Arents, Shari Kerssebeeck, Bart Vrijsen, Dries Testelmans, Wim Janssens, Bertien Buyse, Rik Gosselink, Daniel Langer

OA2557	**Oxygenation and electromyographic responses of the quadriceps during the 1-minute sit-to-stand in patients with severe COPD and healthy controls** Sarah Gephine (Québec (QC), Canada), Patrick Mucci, Mickael Martin, Didier Saey, François Maltais
OA2558	**Ventilation Heterogeneity in Asthma and COPD. The value of the poorly communicating fraction, as the ratio of total lung capacity to alveolar volume.** Annalisa Frizzelli (Parma, Italy), Annalisa Frizzelli, Roberta Pisi, Marina Aiello, Luigino Calzetta, Laura Marchi, Veronica Alfieri, Giuseppina Bertorelli, Giovanna Pisi, Alfredo Chetta
OA2559	**Ultrasound diaphragm activity as a marker of clinical status and prognosis in acute exacerbations of COPD** Aileen Kharat (Genève, Switzerland), Martin Girard, Bruno-Pierre Dube
OA2560	**Components of dyspnoea during incremental exercise across the COPD continuum** Devin Phillips (Kingston, Canada), Devin Phillips, J Alberto Neder, Amany Elbehairy, Kathryn Milne, Matthew James, Sandra Vincent, Andrew Day, Juan Pablo De-Torres, Katherine Webb, Denis O'Donnell
OA2561	**Continuous monitoring of pulse oximetry during the 6-minute walk test improves survival prediction in COPD** Danilo C Berton (Porto Alegre (RS), Brazil), Kellen S Batista, Igor D Cézar, Igor G Benedetto, Danton Pereira Da Silva, Paulo R Sanches, Juan Pablo De Torres, Marcelo B Gazzana, Marli M Knorst, J Alberto Neder
OA2562	**Late Breaking Abstract - Validation of the 2021 GLI reference equations for static lung volumes in a general European cohort** Tobias Lorenz Mraz (Wien, Austria), Marija Veselinovic, Alina Ofenheimer, Marie-Kathrin Breyer, Sylvia Hartl, Otto-Chris Burghuber, Brendan G. Cooper, Angela Zacharasiewicz, Bernd Lamprecht, Sanja Stanojevic, Robab Breyer-Kohansal
OA2563	**Discussion**

Channel 3 Session 277 14:45 - 16:15

Oral presentation: Advances in childhood asthma: biologics, biomarkers and infections

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.
This session includes the Best Abstract for Assembly 7 - Paediatrics, entitled "Bronchial remodeling-based latent class analysis predicts exacerbations in severe preschool wheezers”

Disease(s) : Airway diseases

Method(s) : Pulmonary function testing General respiratory patient care Endoscopy and interventional pulmonology Epidemiology Physiology

Chairs : Sejal Saglani (London, United Kingdom), Valentina Fainardi (Parma (PR), Italy)

OA2564	**Introduction**
OA2565	**Asthma symptom severity and diagnosis in adolescents in sub-Saharan Africa** Victoria Oyenuga (Essex, United Kingdom), Gioia Mosler, Emmanuel Addo-Yobo, Olayinka Olufunke Adeyeye, Refiloe Masekela, Hilda Angela Mujuru, Rebecca Nantanda, Sarah Rylance, Ismail Ticklay, Jonathan Grigg
OA2566	**Phenotypes of persistent asthma in adolescents revealed different patterns in longitudinal asthma-related outcomes** Rita Amaral (Porto, Portugal), Cristina Jácome, Rute Almeida, Ana Pereira, Magna Alves-Correia, Sandra Mendes, José Cidrais Rodrigues, Joana Carvalho, Luís Araújo, Alberto Costa, Armandina Silva, M Fernanda Teixeira, Manuel Ferreira-Magalhães, Rodrigo Rodrigues-Alves, Ana Sofia Moreira, Ricardo Fernandes, Rosário Ferreira, Paula Leiria-Pinto, Nuno Neuparth, Diana Bordalo, Ana Todo-Bom, M José Cálix, Tania Ferreira, Joana Gomes, Carmen Vidal, Ana Mendes, M Joã Vasconcelos, Pedro Morais Silva, José Ferraz, Ana Morête, Cláudia S Pinto, Natacha Santos, Cláudia Chaves Loureiro, Ana Arrobas, Maria Luís Marques, Carlos Lozoya, Cristina Lopes, Francisca Cardia, Carla Chaves Loureiro, Raquel Câmara, Inês Vieira, Sofia Da Silva, Eurico Silva, Natalina Rodrigues, João A. Fonseca
OA2567	**Metabolomic approach in the characterization of omalizumab responders and non-responders among children with severe asthma: a multicenter prospective study.** Silvia Carraro (Padova (PD), Italy), Emanuela Di Palmo, Simona Barni, Valeria Caldarelli, Giovanna De Castro, Antonio Di Marco, Grazia Fenu, Giuseppe Giordano, Amelia Licari, Enrico Lombardi, Paola Pirillo, Matteo Stocchero, Alessandro Volpini, Stefania Zanconato, Franca Rusconi
OA2568	**Dupilumab efficacy in children with uncontrolled, moderate-to-severe asthma with and without an allergic phenotype** Christian Domingo Ribas (Sabadell (Barcelona), Spain), Nikolaos Papadopoulos, Stanley J. Szefler, Leonard B. Bacharier, Jorge F. Maspero, Nadia Daizadeh, David J. Lederer, Megan Hardin, Juby A. Jacob-Nara, Yamo Deniz, Rebecca Gall, Benjamin Ortiz, Michel Djandji, Paul Rowe

OA2569	**Bronchial remodeling-based latent class analysis predicts exacerbations in severe preschool wheezers** Fabien Beaufils (Bordeaux, France), Michael Fayon, Marine Michelet, Valerie Siao-Him-Fa, Guillaume Simon, Hugues Begueret, Patrick Berger
OA2570	**Excessive meat consumption in the first year increases asthma risk in the PASTURE and LUKAS2 birth cohorts** Alexander Hose (München, Germany), Giulia Pagani, Anne Karvonen, Pirkka Kirjavainen, Caroline Roduit, Jon Genuneit, Elisabeth Schmaußer-Hechfellner, Martin Depner, Remo Frei, Roger Lauener, Josef Riedler, Erika Von Mutius, Amandine Divaret-Chauveau, Juha Pekkanen, Markus Ege
OA2571	**Rhinovirus bronchiolitis during infancy and later pre-school lung inhomogeneity** Carla Rebeca Da Silva Sena (Newcastle, Australia), Aida Shaar, Matthew Morten, Joseph Meredith, Elizabeth Kepreotes, Vanessa Murphy, Peter Gibson, Peter Sly, Bruce Whitehead, Wilfried Karmaus, Adam Collison, Paul D Robinson, Joerg Mattes
OA2572	**The role of respiratory syncytial virus and rhinovirus in early recurrent wheeze and asthma inception – a systematic review** Heidi Makrinioti (Athens, Greece), John Lakoumentas, Paraskevi Xepapadaki, Maria Tsolia, Sebastian Johnston, Carlos Camargo, Andrew Bush, Vassiliki Papaevangelou, Nikos Papadopoulos
OA2573	**Late Breaking Abstract - From “back-to-school” asthma to “back-from-lockdown” asthma** Moria Be'er (Tel Aviv, Israel), Israel Amirav, Michal Cahal, Yotam Lior, Moran Lavie
OA2574	**Discussion**

Channel 4 Session 278 14:45 - 16:15

Oral presentation: Tobacco and nicotine research during the pandemic

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Airway diseases | Pulmonary vascular diseases

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

Tag(s) : COVID

Chairs : Elif Dagli (Istanbul, Turkey), Stamatoula Tsikrika (Athens, Greece)

OA2575	**Introduction**
OA2576	**Electronic cigarettes containing nicotine increase thrombotic activity and impair microcirculation.** Gustaf Lyytinen (Höganäs, Sweden), Amelie Bryndal, Erik Anesäter, Lukasz Antoniewicz, Anders Blomberg, Håkan Wallen, Jenny Bosson, Linnea Hedman, Fariborz Mobarrez, Sara Tehrani, Magnus Lundbäck
OA2577	**Preconceptional e-cigarette use alters tracheal gene expression in F1 Drosophila melanogaster larvae** Hanna Angstmann (Borstel, Germany), Karin Uliczka, Beate Höschler, Natalia El-Merhie, Thomas Roeder, Klaus F. Rabe, Susanne Krauss-Etschmann
OA2578	**Comparison of gaseous emissions of conventional and heated tobacco products** Efthimios Zervas (Patra, Greece), Saida Mukhanova, Niki Matsouki, Emmanouil Konstantinidis, Alma Shopabayeva, Talgat Nurgozhin, Stavros Poulopoulos, Paraskevi Katsaounou
OA2579	**Increased exposure to tobacco smoke for children during the COVID-19 era** Cara J. Bossley (London, United Kingdom), Mira Osinibi, Atul Gupta, Katherine Harman
OA2580	**Overexpression of the SARS-CoV-2 receptor ACE2 is induced by cigarette smoke in bronchial and alveolar epithelia** Mingxuan Xie (410008, China), Mingxuan Xie, Aibin Liu, Qiong Chen, Chengping Hu, Baimei He, Pinhua Pan, Xin Zhang, Ronggangg Li, Yanming Huang
OA2581	**Inpatient smoking cessation during COVID-19: a highly teachable moment** Gareth Jones (Liverpool, United Kingdom), Frederick Frost, Kate Maitland, Thomas Green, Mark Clark, Anthony Duffy
OA2582	**The presence of smoking in popular movies available in online streaming platform. A relentless fire still burning.** Dimosthenis Lykouras (Patra, Greece), Ilias Giannakodimos, Olga Lagiou, Maria Tsiamita, Sotiris Tsakas, Kiriakos Karkoulias
OA2583	**Most users quit e-cigarettes without succeeding to quit smoking** Linnea Hedman (Luleå, Sweden), Helena Backman, Caroline Stridsman, Anne Lindberg, Eva Rönmark
OA2584	**Survey on the compliance with plain packaging regulation** Elif Dagli (Istanbul, Turkey), Tanzer Gezer, Pinar Ay, Murat Guner, Osman Elbek, Fusun Yıldız, Murat Ceyhan

OA2585	**Late Breaking Abstract - Brief use of heated tobacco products causes increased arterial stiffness and thrombotic activity** Gustaf Lyytinen (Höganäs, Sweden), Amelie Bryndal, Erik Anesäter, Lukasz Antoniewicz, Anders Blomberg, Jenny Bosson, Fariborz Mobarrez, Linnea Hedman, Sara Tehrani, Magnus Lundbäck
OA2586	**Discussion**

Channel 5 Session 279 14:45 - 16:15

Oral presentation: Insights into pulmonary embolism

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Pulmonary vascular diseases Airway diseases Respiratory critical care

Method(s) : General respiratory patient care Physiology Cell and molecular biology Epidemiology Respiratory intensive care Imaging

Chairs : Laurent Bertoletti (Saint Etienne Cedex, France), Sheila Ramjug (Altrincham, United Kingdom)

OA2587	**Introduction**
OA2588	**Venous thromboembolism associated with reduced lung function, dyspnoea and asthma in the general population** Kristin Felicia Nilausen (Køge, Denmark), Eskild Morten Landt, Suzan Al-Shuweli, Uffe Bødtger, Børge Grønne Nordestgaard, Morten Dahl
OA2589	**A case-control study on direct oral anticoagulants versus warfarin for acute pulmonary embolism in obese patients** Chinthaka Samaranayake (London, United Kingdom), Colm Mccabe, Simon Slader, Tommy Tseng, Khoa Tran, James Anderson, Laura Price, S John Wort, Andrew Mccann, Gregory Keir, John Upham
OA2590	**Systemic corticosteroids and the risk of venous thromboembolism in COPD patients: A nationwide study of 30.473 outpatients with severe-very severe COPD** Ema Rastoder (Hellerup, Denmark), Pradeesh Sivapalan, Josefin Eklöf, Mohamad Isam Saeed, Alexander Svorre Jordan, Howraman Meteran, Louise Tønnesen, Tor Biering-Sørensen, Anders Løkke, Niels Seershol, Thyge Lynghøj Nielsen, Jørn Carlsen, Julie Janner, Nina Godtfredsen, Uffe Bødtger, Christian Laursen, Ole Hilberg, Filip Krag Knop, Helene Priemé, Vibeke Gottlieb, Jon Torgny Wilcke, Jens Ulrik Stæhr Jensen
OA2591	**The role of uric acid to creatinine ratio as predictor marker during pulmonary embolism** Konstantinos Bartziokas (Trikala, Greece), Chris Kyriakopoulos, Athena Gogali, Dimitrios Potonos, Konstantinos Exarchos, Christos Chronis, Konstantinos Kostikas
OA2592	**Comparison of Septic and Non-Septic Pulmonary Embolism in Children** Dvir Gatt (Beer Sheva, Israel), Shalom Ben Shimol, Guy Hazan, Inbal Golan Tripto, Aviv Goldbart, Micha Aviram
OA2593	**Post-COVID-19 patients show an increased endothelial progenitor cell production** Paula Poyatos (Girona, Spain), Neus Luque, Laura Sebastián, Marc Bonnin, Saioa Eizaguirre, Gladis Sabater, Mireia Boixadé, Ramon Orriols, Olga Tura-Ceide
OA2594	**Right ventricular assist devices for mechanical circulatory support in acute massive pulmonary embolism: a single centre experience** Chinthaka Samaranayake (London, United Kingdom), Benjamin Garfield, Sam Seitler, Simon Davies, Stephane Ledot, Colm Mccabe, S John Wort, Susanna Price, Laura Price, Richard Trimlett
OA2595	**Pulmonary Embolism: Incidence, spectrum of CTPA findings, and correlation of D-dimers with embolus location. Is age-adjusted D-dimers cutoff a better screening method?** Serafeim Chrysikos (Athens, Greece), Ourania Papaioannou, Theodoros Karampitsakos, Maria Anyfanti, Georgios Hillas, Kyriaki Tavernaraki, Argyris Tzouvelekis, Katerina Dimakou, Loukas Thanos
OA2596	**Effectiveness of anticoagulation with unfractionated heparin for acute pulmonary embolism** Arun C. R. Partridge (Calgary, Alberta, Canada), Paul Boiteau, James E. Andruchow, Andre Ferland, Eric Herget, Doug Helmerson, Jason Weatherald, Kevin Solverson
OA2597	**Late Breaking Abstract - Incidence, risk factors and thrombotic load of pulmonary embolism in patients hospitalized with COVID-19** Amina Bekki (València (Comunidad Valenciana), Spain), Alberto García-Ortega, Grace Oscullo, Pilar Calvillo, Raúl Méndez, José Daniel Gómez-Olivas, Carles Fonfría, Laura Trilles-Olasco, Enrique Zaldívar, Ana Ferrando, Gabriel Anguera, Andrés Briones-Gómez, Juan Pablo Reig-Mezquida, Laura Feced, Paula González-Jiménez, Soledad Reyes, Carlos F Muñoz-Nuñéz, Ainhoa Carreres, Ricardo Gil, Carmen Morata, Raquel López-Reyes, Luis Martí-Bonmatí, Rosario Menéndez, Miguel Ángel Martínez-García
OA2598	**Discussion**

Studio Amsterdam Session 280 14:45 - 16:15

Hot topics: Digital innovations in tuberculosis and implementation research in the era of COVID-19: collaborative activities between the WHO and ERS

Aims : To describe the consequences of COVID-19 for tuberculosis (TB) care worldwide; to review the available digital adherence technologies for TB; to evaluate the attitudes of patients and medical staff toward digital health in TB management; to discuss the potential of the Implementation Research for Digital Technologies and TB toolkit.

Disease(s) : Respiratory infections

Method(s) : Epidemiology Public health

Tag(s) : Translational , COVID, Digital health

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Paediatrician, Patient, Radiologist, Scientist (basic, translational), Journalist

Chairs : Raquel Duarte (Porto, Portugal), Vitalii Poberezhets (Vinnytsia, Ukraine)

14:45	**Introduction**	**2599**
14:50	**Patients' perspective** Speaker to be confirmed	**2600**
14:55	**Tuberculosis care during the COVID-19 pandemic** Giovanni Battista Migliori (Varese (VA), Italy)	**2601**
15:10	**Adherence to treatment for tuberculosis in the digital era** Helen Stagg (Edinburgh, United Kingdom)	**2602**
15:25	**The Implementation Research for Digital Technologies and TB (IR4DTB) toolkit** Corinne Merle (Geneva, Switzerland)	**2603**
15:40	**Future of eHealth in TB management: perspectives of patients and medical staff** Onno Akkerman (Groningen, Netherlands)	**2604**
15:55	**Discussion and Q&A**	**2605**

Studio Barcelona Session 281 14:45 - 16:15

Symposium: Precision medicine in asthma and COPD

Aims : To provide an update on the latest findings regarding precision medicine in asthma and chronic obstructive pulmonary disease (COPD).

Disease(s) : Airway diseases

Method(s) : Cell and molecular biology Imaging Physiology

Tag(s) : Translational

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

Chairs : Apostolos Bossios (Stockholm, Sweden), Louise Donnelly (London, United Kingdom)

14:45	**Introduction**	**2606**
14:50	**Patient's perspective** Niamh Cullen (, Ireland)	**2607**
14:55	**Complex and multifaceted physiology of asthma and COPD** Richard Costello (Dublin 9, Ireland)	**2608**
15:10	**Diagnosing asthma in the era of personalised medicine: biology, physiology and imaging** Daiana Stolz (Basel, Switzerland)	**2609**
15:25	**Linking phenotypes to personalised treatments in asthma and COPD** Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)	**2610**
15:40	**Multidisciplinary teamwork and care pathways for managing the eosinophilic burden in airway diseases, from asthma to COPD and chronic cough** Vanessa M. McDonald (Newcastle (NSW), Australia)	**2611**
15:55	**Discussion and Q&A**	**2612**

Studio London Session 282 14:45 - 16:15

Journal session: The best of the European Respiratory Journal 2021

Aims : To highlight the best original research and series in translational and basic science as well as airway disease published in the flagship journal of the European Respiratory Society; to highlight the contribution of the European Respiratory Journal (ERJ) to COVID-19 and respiratory infections; to highlight the highest impact guidelines, reviews and original contributions.

Disease(s) : Airway diseases Respiratory infections

Method(s) : Cell and molecular biology Epidemiology Public health

Tag(s) : Translational , COVID

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 : Thierry Troosters (Leuven, Belgium), Mina Gaga (Athens, Greece)

14:45	**Introduction** Martin Kolb (Hamilton (ON), Canada)	**2613**
14:50	**The best papers in the ERJ: translational Science** Silke Meiners (München, Germany)	**2614**
15:05	**The best papers in the ERJ: airways disease** Dave Singh (Manchester, United Kingdom)	**2615**
15:20	**The best papers in the ERJ: clinical practice** Anh Tuan Dinh-Xuan (Paris, France)	**2616**
15:35	**The best papers in the ERJ: respiratory infections and COVID-19** Daiana Stolz (Basel, Switzerland)	**2617**
15:50	**Discussion and Q&A**	**2618**
16:10	**Conclusions** Martin Kolb (Hamilton (ON), Canada)	**2619**

Studio Munich Session 283 14:45 - 16:15

State of the art session: Respiratory critical care

Aims : To describe the role of lung ultrasound in diagnosis of acute respiratory failure; to list sub-phenotypes of acute respiratory distress syndrome and their therapeutic consequences; to identify patients with acute respiratory distress syndrome that may benefit from steroid treatment and to discuss appropriate dosing of steroids in these patients; to discuss the diagnostic approach in patients with suspected pulmonary fungal infection and to propose a treatment strategy in patients with confirmed fungal infection.

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

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

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Respiratory critical care physician, Paediatrician, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist

Chairs : Marcus Schultz (Amsterdam, Netherlands), Sophia E. Schiza (Heraklion, Greece), Maxime Patout (Mont-Saint Aignan, France)

14:45	**Introduction**	**2620**
14:50	**Lung ultrasound in acute respiratory care** Pieter Roel Tuinman (Amsterdam, Netherlands)	**2621**
15:05	**Phenotypes of acute respiratory distress syndrome** Lorraine Ware (Nashville, United States of America)	**2622**
15:20	**Corticosteroids in acute respiratory distress syndrome** Jesus Villar (Las Palmas de Gran Canaria, Spain)	**2623**
15:35	**Pulmonary fungal infections in mechanically ventilated patients** Frank Van de Veerdonk (Nijmegen, Netherlands)	**2624**
15:50	**Discussion and Q&A**	**2625**

Studio Paris Session 284 14:45 - 16:15

Lungs on fire: LoF Lung cancer?

Aims : To describe real-life clinical cases during the innovative interactive session, including the presentation of cases that have various levels of difficulty and often necessitate a differential diagnosis. This session will be led by a discussant, who will present the cases to a panel of experts and the audience. The discussant will encourage discussion among the panel of experts, who are encountering these cases for the first time. To further determine diagnostic and therapeutic options for these patients, the discussant will also invite audience participation in the reflexion and discussion of these cases.

Disease(s) : Thoracic oncology Respiratory infections

Tag(s) : Clinical

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

Chairs : Jan van Meerbeeck (Edegem (Antwerp), Belgium), Joanna Chorostowska-Wynimko (Warsaw, Poland), Georgia Hardavella (Athens, Greece)

Discussants : Sam Janes (London, United Kingdom)

14:45	**Introduction**	**2630**
14:50	**Presentation of cases by the session facilitator** Sam Janes (London, United Kingdom)	**2631**
	Case 1 - Author: Joyce Chan, Hong Kong	**2626**
	Case 2 - Author: Mike Ralki, Belgium	**2627**
	Case 3 - Author: Kathryn Ryan, United Kingdom	**2628**
	Case 4 - Author: Tadeusz Marczewski, Germany	**2629**
16:10	**Session wrap-up**	**2632**

Channel 6 Session 285 14:45 - 16:15

Oral presentation: Innovation in thoracic surgery

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Thoracic oncology Airway diseases

Method(s) : Surgery General respiratory patient care Pulmonary function testing Endoscopy and interventional pulmonology Pulmonary rehabilitation Imaging

Chairs : Marcello Migliore (Catania (CT), Italy), Kalliopi Athanassiadi (Athens, Greece)

OA2633	**Introduction**
OA2634	**Ventilatory efficiency for CO2 and rest end-tidal CO2 are similar predictors of post-operative pulmonary complications.** Kristian Brat (Brno, Czech Republic), Ivan Cundrle Jr, Milos Chobola, Ladislav Mitas, Jaroslav Ivicic, Teodor Horvath, Zdenek Merta, Marek Plutinsky, Monika Bratova, Michaela Heroutova, Pavla Kratochvilova, Pavel Homolka, Zdenek Chovanec, Michal Svoboda, Lyle Olson
OA2635	**Outcome of surgical and endoscopic lung volume reduction with valves in patients with severe lung emphysema: preliminary results from the national Lung Emphysema Registry (LE-R) in Germany** Pavlina Lenga (Berlin, Germany), Christian Grah, Christoph Ruwwe-Glösenkamp, Jacopo Saccomanno, Jens Rückert, Stephan Eggeling, Sven Gläser, Sylke Kurz, Gunda Leschber, Stephan Eisenmann, Marcus Krüger, Bernd Schmidt, Paul Schneider, Stefan Andreas, Marc Hinterthaner, Joachim Pfannschmidt, Andreas Gebhardt, Franz Stanzel, Angélique Holland, Andreas Kirschbaum, Birgit Becke, Olaf Schega, Ralf-Harto Hübner
OA2636	**Effects of exercise training in people with non-small cell lung cancer before lung resection: a systematic review and meta-analysis.** Francis-Edouard GRAVIER (Bois-Guillaume, France), Pauline Smondack, Guillaume Prieur, Clément Medrinal, Yann Combret, Jean-François Muir, Jean-Marc Baste, Antoine Cuvelier, Fairuz Boujibar, Tristan Bonnevie
OA2637	**A meta-analysis assessing the prognostic value of neutrophil to lymphocyte ratio in lung metastasectomy for colorectal cancer** Dimitrios Magouliotis (Larisa, Greece), Maria Fergadi, Thanos Athanasiou, Evangelos Tatsios, Despoina Koukousaki, Kalliopi Athanassiadi

OA2638	**Deeper into the mediastinum: Topographical distribution and histological patterns of occult pN2 disease in 18FDG PET/CT node-negative NSCLC patients.** Dimitris Lioumpas (Athens, Greece), Athanasios Kleontas, Evangelos Georgios Fergadis, Stylianos Zaragkas, Ioannis Stamatatos, Thrasyvoulos Michos, Nikolaos Eleptheroulis, Fragkiskos Tsagkarakis, Dimitrios Xekalakis, Kostantinos Bouboulis, Antonios Katsadonis, Periklis Tomos
OA2639	**Chest wall resection for lung cancer: A 12-year experience in a single center** Güntuğ Batıhan (Izmir, Turkey), Ahmet Üçvet, Serkan Yazgan, Kenan Can Ceylan, Soner Gürsoy, Şeyda Örs Kaya
OA2640	**Direct to surgery treatment of suspected lung cancer – results from a UK lung cancer multidisciplinary team (MDT)** Manoj Marathe (Telford, United Kingdom), Tinaye Mandishona, Harmesh Moudgil, Nawaid Ahmad, Emma Crawford, Annabel Makan, Koottalai Srinivasan
OA2641	**Randomized parallel arm study to compare intrapleural instillation of streptokinase versus saline wash in loculated empyema thoracis .** Shiv Kumar Verma (Ayodhya, India), Rajiv Garg
OA2642	**Thoracic surgery practice shift during the novel Coronavirus Disease 2019 (COVID19) pandemic** Georgia Hardavella (Athens, Greece), Georgia Hardavella, Elissavet Babaliari, Ioannis Karampinis, Elena Bellou, Elli Keramida, Christina Gkriniouk, Irma Bracka, Spyridon Mazarakis, Theodoros Daskalos, Evaggelos Sepsas, Panagiotis Demertzis
OA2643	**Late Breaking Abstract - Results of Surgery in Non-Small-Cell Lung Cancer– a retrospective study** Rita Alexandra Afonso da Costa (Valongo, Portugal), Fatima Aires, José Máximo, João Maciel, Margarida Marques, Pedro Fernandes, Paulo Pinho
OA2644	**Discussion**

15:30-16:15
INDUSTRY SKILLS LAB WORKSHOP SEE PAGE 1

Channel 1 Session 287 16:00 - 18:00

Language session: Russian programme 2021
Sarcoidosis today: from old truths to new problems (a joint ERS/RRS/ARSRM session)

Aims : To discuss the diagnosis and treatment of sarcoidosis in different countries; to consider the effectiveness of minimally invasive and image-based diagnostics; to present the recommendations of the Russian Respiratory Society for the diagnosis and treatment of sarcoidosis.

Disease(s) : Interstitial lung diseases

Method(s) : Endoscopy and interventional pulmonology Epidemiology Imaging

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Radiologist, Scientist (basic, translational), Respiratory therapist

Chairs : Alexander Vizel (Kazan (Republic of Tatarstan), Russian Federation), Daniel Culver (Cleveland, United States of America)

16:00	**Introduction**	**2649**
16:05	**Sarcoidosis as a multidisciplinary problem** Daniel Culver (Cleveland, United States of America)	**2650**
16:20	**Image-based diagnosis of sarcoidosis** Igor Tyurin (Moscow, Russian Federation)	**2651**
16:35	**Quality of life and fatigue in sarcoidosis** Marjolein Drent (Ede, Netherlands)	**2652**
16:50	**Minimally invasive diagnosis of sarcoidosis** Ilya Sivokozov (Moscow, Russian Federation)	**2653**
17:05	**The problem of fibrosis in sarcoidosis** Athol Wells (London, United Kingdom)	**2654**
17:20	**Treatment of sarcoidosis: clinical guidelines of the Russian Respiratory Society** Alexander Vizel (Kazan (Republic of Tatarstan), Russian Federation)	**2655**

17:35	**Discussion and Q&A**	**2656**

Studio Amsterdam — Session 288 — 16:15 - 16:30

Breakout room: Breakout room: Hot topics, Digital innovations in tuberculosis and implementation research in the era of COVID-19: collaborative activities between the WHO and ERS

Chairs : Aurélie Crabbé (Ghent, Belgium), Giovanni Battista Migliori (Varese (VA), Italy), Helen Stagg (Edinburgh, United Kingdom), Corinne Merle (Geneva, Switzerland), Onno Akkerman (Groningen, Netherlands), Chair to be confirmed

Studio Barcelona — Session 289 — 16:15 - 16:30

Breakout room: Breakout room: Symposium, Precision medicine in asthma and COPD

Chairs : Tommy Palai (Gaborone, Botswana), Niamh Cullen (, Ireland), Richard Costello (Dublin 9, Ireland), Daiana Stolz (Basel, Switzerland), Christopher E. Brightling (Leicester (Leicestershire), United Kingdom), Vanessa M. McDonald (Newcastle (NSW), Australia)

Studio London — Session 290 — 16:15 - 16:30

Breakout room: Breakout room: Journal session, The best of the European Respiratory Journal 2021

Chairs : Hani Abo-Leyah (Perth (Perthshire), United Kingdom), Martin Kolb (Hamilton (ON), Canada), Silke Meiners (München, Germany), Dave Singh (Manchester, United Kingdom), Anh Tuan Dinh-Xuan (Paris, France), Daiana Stolz (Basel, Switzerland)

Studio Munich — Session 291 — 16:15 - 16:30

Breakout room: Breakout room: State of the art session, Respiratory critical care

Chairs : Sarang Patil (Dhule (Maharashtra), India), Pieter Roel Tuinman (Amsterdam, Netherlands), Lorraine Ware (Nashville, United States of America), Jesus Villar (Las Palmas de Gran Canaria, Spain), Frank Van de Veerdonk (Nijmegen, Netherlands)

Studio Paris — Session 292 — 16:15 - 16:30

Breakout room: Breakout room: Lungs on fire, LoF Lung cancer?

Chairs : Lucia Carolina Viola Muñoz (Bogotá, Colombia), Sam Janes (London, United Kingdom)

Channel 2 — Session 293 — 16:30 - 18:00

Oral presentation: Highlights in COVID-19 diagnosis and treatment

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Respiratory critical care | Airway diseases | Pulmonary vascular diseases

Method(s) : General respiratory patient care | Respiratory intensive care | Public health | Imaging | Pulmonary rehabilitation | Physiology | Cell and molecular biology

Tag(s) : COVID

Chairs : Nicoletta R. Morelli (Den Haag, Netherlands), David M. G. Halpin (Exeter, United Kingdom)

OA2657	**Introduction**
OA2658	**Worsening of gas exchange parameters at high FiO2 in COVID-19: misleading or informative?** Federico Raimondi (Bergamo, Italy), Luca Novelli, Gianmariano Marchesi, Ivano Riva, Lorenzo Stephan Grazioli, Chiara Allegri, Roberta Biza, Roberta Trapasso, Mariangela Amoroso, Marisa Anelli, Chiara Galimberti, Fabrizio Fabretti, Ferdinando Luca Lorini, Fabiano Di Marco
OA2659	**Do hospitalized COVID-19 patients have endothelial vascular dysfunction? A cohort study** MURILO OLIVEIRA (São Carlos, Brazil), Guilherme Back, Cassia Goulart, Bianca Domingos, Ross Arena, Audrey Borghi-Silva
OA2660	**Inhibition by umifenovir is broadly effective against coronaviruses** Irina LENEVA (Moscow, Russian Federation), Evgeny Faizuloev, Nadezhda Kartashova, Anastasya Gracheva, Ekaterina Korchevaya, Artem Poromov, Georgy Ignatyev, Victor Volok, Liubov Kozlovskaya, Svetlana Loginova, Veronika Shchukina, Ravil Khamitov
OA2661	**Experience of using Janus kinase inhibitors in COVID-19** Tatiana Luchnikova (Blagoveshchensk (Amur Oblast), Russian Federation), Olga Prikhodko, Kristina Fesyun

OA2662	**Predictors of negative first SARS-CoV-2 PCR despite final diagnosis of COVID-19 and association with outcome** Thomas Gille (Bobigny, France), Jean Baptiste Lascarrou, Gwenhael Colin, Aurélie Le Thuaut, Nicolas Serck, Mickael Ohana, Bertrand Sauneuf, Guillaume Geri, Jean Baptiste Mesland, Gaetane Ribeyre, Claire Hussenet, Anne Sophie Boureau
OA2663	**COVID19: a retrospective cohort study in Bradford with a focus on ethnicity** Laura Smith (Bradford (West Yorkshire), United Kingdom), Nina Pattabhiraman, Georgina Appleyard, Ian Hutchesson, Katie Jackson, Shavanthi Wadanamby, Alexander Lister, Jamal Bhatti, Scott Hemphill, Krzysztof Poterlowicz, Dinesh Saralaya
OA2664	**Validation of the CFS score in patients with Covid-19 receiving only ward based care** Avinash Aujayeb (newcastle, Mauritius), Karl Jackson, Elinor Edwards, Elizabeth Marsh, Catherine Moores, Esther Longden, Pierre Chinedu, Matt Ingram, Gemma Stonier, Ellen Tullo, Laura Mackay, Catherine Dotchin, Amaani Hussain, Samuel Dale, Sarah Manning, Lindsey Dew, Thomas Ross, Leyla Wannous, Sophia Oxenburgh, Declan Murphy, Richard Gavin, Leah Taylor, Sarah Welsh, Caitlin Carolan, April Donne, Nicholas Moss, Josephine Gwinnell, Fiona Starkie, Robert Johnston, James Dundas, Johannna Jones, Kristen Davies, Richard Anderson, Peter Ireland
OA2665	**High pulse dose steroids in Severe COVID-19 pneumonitis refractory hypoxemia to dexamethasone** Noëlia Khalil (Oranjestad, Aruba), John Kileci, Selene Kock
OA2666	**Late Breaking Abstract - Direct antivirals working against the novel coronavirus: azithromycin (DAWn-AZITHRO), a randomized, multicenter, open-label, adaptive, proof of concept clinical trial** Iwein Gyselinck (Leuven, Belgium), Robin Vos, Laurens Liesenborghs, Peter Verhamme, Wim Janssens
OA2667	**Discussion**

Channel 3 Session 294 16:30 - 18:00

Oral presentation: Monitoring of lung disease and CFTR function in children with cystic fibrosis

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Airway diseases

Method(s) : Pulmonary function testing Physiology Epidemiology Imaging

Chairs : Jane C. Davies (London, United Kingdom), Simon Y. Gräber (Heidelberg, Germany)

OA2668	**Introduction**
OA2669	**Measuring CFTR function in respiratory epithelial cell cultures: step to individualize treatments in cystic fibrosis?** Joerg Grosse-Onnebrink (Münster, Germany), Vanessa Mete, Katharina Kolonko, Sandra Cindric, Simone Helms, Heymut Omran, Wolf Michael Weber
OA2670	**Cross-sectional and longitudinal comparison of N2 and SF6 multiple breath washout in infants and toddlers with CF and healthy controls** Rikke Mulvad Sandvik (Hørsholm, Denmark), Marika Nathalie Schmidt, Jørgen Hovland Olsen, Sune Rubak, Anders Lindblad, Hanne Vebert Olesen, Frederik Buchvald, Tacjana Pressler, Marianne Skov, Per Gustafsson, Kim Gjerum Nielsen
OA2671	**Longitudinal SF6 multiple breath washout in infants and toddlers with cystic fibrosis** Rikke Mulvad Sandvik (Hørsholm, Denmark), Marika Nathalie Schmidt, Maja Valentin Kragh, Christian Voldby, Frederik Buchvald, Tacjana Pressler, Anders Lindblad, Marianne Skov, Per Gustafsson, Kim Gjerum Nielsen
OA2672	**Changes in the Lung Clearance Index outside 15% are clinically relevant in children with cystic fibrosis** Lucy Perrem (Toronto (ON), Canada), Sanja Stanojevic, Stephanie Davis, Don B Sanders, Renee Jensen, Michelle Shaw, Melinda Solomon, Hartmut Grasemann, Valerie Waters, Neil Sweezey, Nancy Mcdonald, Julia Guido, Charles Clem, Felix Ratjen
OA2673	**Evolution of lung clearance index during the first year of life in cystic fibrosis** Marc-Alexander Oestreich (Bern, Switzerland), Thuvarakha Manogaran, Bettina Frauchiger, Anne-Christianne Kentgens, Johanna Kurz, Philipp Latzin, Kathryn Ramsey
OA2674	**Natural Variability of Clinically Measured Lung Clearance Index in Children with Cystic Fibrosis** Bettina Sarah Frauchiger (Bern, Switzerland), Kathryn Ramsey, Jakob Usemann, Elisabeth Kieninger, Carmen Casaulta, Sophie Yammine, Daniel Sirtes, Ben Spycher, Alexander Moeller, Philipp Latzin
OA2675	**Change in functional lung MRI and multiple breath washout outcomes over one year in children with cystic fibrosis** Christoph Corin Willers (Bern, Switzerland), Bettina S. Frauchiger , Enno Stranzinger, Grzegorz Bauman, Orso Pusterla, Oliver Bieri, Kathryn Ramsey, Philipp Latzin

OA2676	**Sensitive automated airway-artery method to monitor progression of CF airway disease** Qianting Lv (Rotterdam, Netherlands), Rikke M. Sandvik, Kim G. Nielsen , Eleni-Rosalina Andrinopoulou, Leticia Gallardo-Estrella, Jean-Paul Charbonnier, Harm A.W.M. Tiddens
OA2677	**Evaluation of SnIII parameters as outcome measures of multiple breath washout (MBW) in preschool children with cystic fibrosis** Marie-Pier Dumas (Toronto, Canada), Nicholas Karsli, Renee Jensen, Felix Ratjen
OA2678	**Late Breaking Abstract - Depression and anxiety in patients with cystic fibrosis before and during Covid 19 pandemic** Kaltra Skenderaj (Parma, Italy), Valentina Fainardi, Silvia Dioni, Susanna Esposito, Giovanna Pisi
OA2679	**Discussion**

Channel 4 Session 295 16:30 - 18:00

Oral presentation: Impact of COVID - 19, quality assurance and technology on pulmonary function

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

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

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

Tag(s) : COVID

Chairs : Karl Sylvester (Cambridge (Cambridgeshire), United Kingdom), Aisling McGowan (Dublin 15, Ireland)

OA2680	**Introduction**
OA2681	**Ventilation heterogeneity after COVID-19** Olga Savushkina (Moscow, Russian Federation), Alexander Cherniak, Andrey Zaitsev, Evgeniy Kryukov
OA2682	**Evaluation of patient attendance to respiratory physiology in the midst of the COVID-19 Pandemic** Sophie Yearsley (Stoke-on-Trent (Staffordshire), United Kingdom), Charlotte Hurst, Helen Stone, Ian Cliff
OA2683	**Implementation of the 2017 ERS Methacholine Challenge Standard** Irene Steenbruggen (Zwolle, Netherlands), Peter De Laat, Anneke H.M. Van De Geijn, Jan Willem K Van Den Berg
OA2684	**Evaluation of the Global Lung function Initiative reference values for spirometry and diffusion capacity.** Kevin De Soomer (Edegem, Belgium), Lidia Casas , Hilde Vaerenberg, Ellie Oostveen
OA2685	**Pulmonary airway resistance variability in normal biologic quality control subjects among pulmonary function testing systems across British Columbia.** Carl D. Mottram (Rochester, United States of America), Theresa Mccaskill, Jeremy Road, Navdeep Rakhra
OA2686	**Do bacterial/viral filters impact quality assurance verification of ultrasonic spirometers?** Lucy Robertson (Cambridge (Cambridgeshire), United Kingdom), Rachel Lowry, Karl Sylvester
OA2687	**Breath detection algorithms effect lung function outcomes** Florian Wyler (Bern, Switzerland), Marc-Alexander Oestreich, Bettina Frauchiger, Philipp Latzin, Kathryn Ramsey
OA2688	**Real-world application of Spirometry Quality Control Deep-Learning Algorithm** Sanja Stanojevic (Halifax (NS), Canada), Pippa Powell, Graham Hall, Marko Topalovic, Nilakash Das, Kevin Ray, Felix Ratjen, Renee Jensen, Carlos Jimenez-Ruiz, Carmen Hernandez, Felip Burgos, Wim Janssens
OA2689	**Use of artificial intelligence for improving quality control of oscillometry** Chiara Veneroni (Milano (MI), Italy), Andrea Acciarito, Pasquale Pompilio, Alessandro Gobbi, Raffaele Dellacà
OA2690	**Late Breaking Abstract - Effects of respiratory muscle training on quality of life, physical function, and psychological state in Post-COVID Syndrome** Tamara Del Corral Nuñez-Flores (Madrid, Spain), Raúl Fabero-Garrido, Gustavo Plaza-Manzano, César Fernández-De-Las-Peñas, María José Díaz-Arribas , Ibai López-De-Uralde-Villanueva
OA2691	**Discussion**

Channel 5 Session 296 16:30 - 18:00

Oral presentation: Cellular and molecular involvement in lung injury and repair

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.
This session includes the Best Abstract for Assembly 3 - Basic and translational sciences, entitled "A comprehensive guide to pulmonary mesenchymal populations in the healthy and IPF lung"

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

Method(s) : Cell and molecular biology | General respiratory patient care | Respiratory intensive care

Chairs : Agnes W. Boots (Maastricht, Netherlands), Sara Rolandsson Enes (Lund, Sweden)

OA2692	**Introduction**
OA2693	**LSC - 2021 - A comprehensive guide to pulmonary mesenchymal populations in the healthy and IPF lung.** Simon Coyle Rowan (Galway, Ireland), Xue Liu (xue.liu@cshs.org / Cedars-Sinai Medical Centre,Los Angeles), Yizhou Wang (yizhou.wang@cshs.org / Cedars-Sinai Medical Centre,Los Angeles), Paul W. Noble (paul.noble@cshs.org / Cedars-Sinai Medical Centre,Los Angeles), Dianhua Jiang (dianhua.jiang@cshs.org / Cedars-Sinai Medical Centre,Los Angeles)
OA2694	**Comparison between Bronchoalveolar Lavage (BAL) and blood-derived microvesicles in lung diseases** Erica Bazzan (Padova (PD), Italy), Mariaenrica Tinè, Claudia Maria Radu , Davide Biondini, Marco Damin, Umberto Semenzato, Alvise Casara, Paolo Simioni, Manuel G. Cosio, Marina Saetta
OA2695	**MSC extracellular vesicles modulate human macrophages in ARDS towards anti-inflammatory phenotype via transfer of miRNA181-a and PTEN-pSTAT5-SOCS1 signalling** Yue Su (Belfast (Northern Ireland), United Kingdom), David Simpson, Cecilia O'Kane, Derek Brazil, Anna Krasnodembskaya
OA2696	**Extracellular vesicles produced by airway epithelial cells in response to oxidative stress contain microRNAs associated with cellular senescence** Justine Devulder (London, United Kingdom), Jonathan, R Baker, Louise, E Donnelly, Peter, J Barnes
OA2697	**The NLRP3-inflammasome-caspase-1 pathway is upregulated in idiopathic pulmonary fibrosis and acute exacerbations and is inducible by apoptotic A549 cells** Benjamin Seeliger (Hannover, Germany), Benedikt Jäger, Oliver Terwolbeck, Tobias Welte, Christian Bode, Antje Prasse
OA2698	**LSC - 2021 - SRC family kinases modulate molecular pathways associated with mitochondrial dysfunction i n idiopathic pulmonary fibrosis** Carmen Veith (Tübingen, Germany), Nicolas Kahn (nicolas.kahn@web.de / Translational Research Unit, Thoraxklinik ,Heidelberg), Milena Hristova (milena_big@yahoo.com / University of Vermont,Burlington), Christopher M. Dustin (Christopher.Dustin@uvm.edu / University of Vermont,Burlington), Michael Kreuter (kreuter@uni-heidelberg.de / Translational Research Unit, Thoraxklinik ,Heidelberg), Marc A Schneider (Marc.Schneider@med.uni-heidelberg.de / Translational Research Unit, Thoraxklinik ,Heidelberg), Frederik-Jan Van Schooten (f.vanschooten@maastrichtuniversity.nl / Maastricht University,Maastricht), Albert Van Der Vliet (albert.van-der-vliet@med.uvm.edu / University of Vermont,Burlington), Agnes Boots (a.boots@maastrichtuniversity.nl / Maastricht University,Maastricht)
OA2699	**Chronic WNT/ß-catenin signaling impairs mitochondrial function in lung epithelial cells** Qianjiang Hu (München, Germany), Meshal Ansari, Ilias Angelidis, Fabian Theis, Herbert Schiller, Melanie Königshoff, Mareike Lehmann
OA2700	**D-dopachrome tautomerase contributes to lung epithelial repair via ACKR3-dependent Akt signaling** Shanshan Song (Groningue (GR), Netherlands), Bin Liu, Habibie Habibie, Jelle Van Den Bor, Martine.J Smit, Reinoud Gosens, Xinhui Wu, Corry-Anke Brandsma, Robbert. H Cool, Hidde J. Haisma, Gerrit J. Poelarends, Barbro N. Melgert
OA2701	**Mast Cell Tryptase Enhances Wound-Healing via Protease-Activated Receptor-2 Dependent Migration in Human Bronchial Epithelial Cells** Sofia Mogren (Malmö, Sweden), Frida Berlin, Sangeetha Ramu, Asger Sverrild, Celeste Porsbjerg, Lena Uller, Cecilia Andersson
OA2702	**Late Breaking Abstract - The inflammasome cluster is linked with airway NETosis in COPD** Madeleine Ingelsten (Mölndal, Sweden), Hoda Sharifian, Magdalena Rhedin, Johan Jirholt, Sofia Lundin, Lina Odqvist, Sofia Winslow, Andrew Higham, Thomas Southworth, Dave Singh, Alix Berton, Zala Jevnikar
OA2703	**Discussion**

16:30-17:15
INDUSTRY SKILLS LAB WORKSHOP SEE PAGE 1

Studio Amsterdam Session 298 16:30 - 18:00

Symposium: New insights into nontuberculous mycobacteria disease: from diagnosis to treatment

Nontuberculous mycobacteria infections are becoming an increasing challenge worldwide. Improved awareness and knowledge of current epidemiology, diagnosis and treatment options are a priority

Aims : To increase awareness and knowledge of the epidemiology and diagnosis of nontuberculous mycobacteria (NTM) infections and the treatment options.

Disease(s) : Respiratory infections

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

Tag(s) : Clinical

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

Chairs : Raquel Duarte (Porto, Portugal), Vitalii Poberezhets (Vinnytsia, Ukraine)

16:30	**Introduction**	**2707**
16:35	**NTM: an overview of changing epidemiology** Marc Lipman (London, United Kingdom)	**2708**
16:50	**The challenges of diagnosing NTM** Emmanuelle Cambau (Paris, France)	**2709**
17:05	**The highs and lows of guideline-based therapy for NTM: a case review** Michael Loebinger (London, United Kingdom), Jakko van Ingen (Nijmegen, Netherlands)	**2710**
17:20	**Novel NTM treatments and approaches, repurposed to bacteriophages** Claire Andrejak (Amiens, France)	**2711**
17:35	**Discussion and Q&A**	**2712**

Studio Barcelona Session 299 16:30 - 18:00

Symposium: Pharmacology of lung immune responses: which pathways to target!

Aims : To explain the complexity of lung immune responses and its contribution to airway diseases such as asthma and chronic obstructive pulmonary disease (COPD); to describe pharmacological pathways that can modify these responses.

Disease(s) : Airway diseases

Method(s) : Cell and molecular biology Physiology

Tag(s) : Translational

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Pathologist, Physician in Pulmonary Training, Scientist (basic, translational)

Chairs : Apostolos Bossios (Stockholm, Sweden), Louise Donnelly (London, United Kingdom)

16:30	**Introduction**	**2713**
16:35	**Overview of innate and adaptive immune responses in the airways** Speaker to be confirmed	**2714**
16:50	**Targeting traits in asthma and COPD** Anneke Ten Brinke (Leeuwarden, Netherlands)	**2715**
17:05	**The yin and yang of immunosuppression with inhaled corticosteroids in asthma and COPD** Peter J. Barnes (London, United Kingdom)	**2716**
17:20	**Macrolides targeting multiple immune pathways in asthma and COPD** Lena Uller (Lund, Sweden)	**2717**
17:35	**Discussion and Q&A**	**2718**

Studio London Session 300 16:30 - 18:00

Journal session: The "State of the Art" in the diagnosis of bacterial, mycobacterial, and fungal pneumonias

A joint ERS/New England Journal of Medicine (NEJM) session

Aims : To explore the current tools available to respiratory clinicians for diagnosis of both community-acquired and healthcare-associated pneumonia; to explore the spectrum of disease seen in healthy and immunocompromised hosts.

Disease(s) : Respiratory critical care Respiratory infections

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

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, General practitioner, Respiratory critical care physician

Chairs : Thierry Troosters (Leuven, Belgium), Mina Gaga (Athens, Greece)

16:30	**Introduction** Jeffrey Drazen (Waltham, United States of America)	**2719**
16:35	**Clinical pneumonia: how do I make a specific diagnosis?** Lindsey Baden (Boston, United States of America)	**2720**
16:50	**Pneumonia diagnostics in high resource settings** Tobias Welte (Hannover, Germany)	**2721**
17:05	**Pneumonia diagnostics in under-resourced environments** Kathryn Maitland (Kilifi, Kenya)	**2722**
17:20	**Discussion and Q&A**	**2723**
17:55	**Conclusions** Jeffrey Drazen (Waltham, United States of America)	**2724**

Studio Munich Session 301 16:30 - 18:00

Lungs on fire: LoF Respiratory critical care / Sleep and Breathing disorders

Aims : To describe real-life clinical cases during the innovative interactive session, including the presentation of cases that have various levels of difficulty and often necessitate a differential diagnosis. This session will be led by a discussant, who will present the cases to a panel of experts and the audience. The discussant will encourage discussion among the panel of experts, who are encountering these cases for the first time. To further determine diagnostic and therapeutic options for these patients, the discussant will also invite audience participation in the reflexion and discussion of these cases.

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

Target audience : Respiratory critical care physician, Adult pulmonologist/Clinician, General practitioner, Clinical researcher, Paediatrician, Physician in Pulmonary Training, Nurse, Physiologist, Medical Student

Chairs : Marcus Schultz (Amsterdam, Netherlands), Sophia E. Schiza (Heraklion, Greece), Maxime Patout (Mont-Saint Aignan, France)

Discussants : Marieke L. Duiverman (Groningen, Netherlands)

16:30	**Introduction**	**2729**
16:35	**Presentation of cases by the session facilitator** Marieke L. Duiverman (Groningen, Netherlands)	**2730**
	Case 1 - Author: Kristen A. Mooij-Kalverda, Netherlands	**2725**
	Case 2 - Author: Syeda Nafisa, United Kingdom	**2726**
	Case 3 - Author: Kathryn Hendrickson, United States of America	**2727**
	Case 4 - Author: Mariana Ramos Martins, Portugal	**2728**
17:55	**Session wrap-up**	**2731**

Studio Paris Session 302 16:30 - 18:00

Grand round: Lung cancer grand round

Aims : To test the clinical knowledge of participants about thoracic oncology; to allow a unique opportunity for interactive discussions with the case presenters and a multidisciplinary board panel.

Disease(s) : Thoracic oncology

Method(s) : Endoscopy and interventional pulmonology Imaging Surgery

Tag(s) : Clinical

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

Chairs : Jan van Meerbeeck (Edegem (Antwerp), Belgium), Joanna Chorostowska-Wynimko (Warsaw, Poland), Georgia Hardavella (Athens, Greece)

16:30	**Introduction**	**2732**
16:35	**Severe autoimmune syndrome in a patient with a mediastinal mass** Jo Raskin (Kessel-Lo, Belgium)	**2733**
16:55	**Stage IV adenocarcinoma of the lung with classical epidermal growth factor receptor mutation and a thought-provoking course** Amanda Tufman (München, Germany)	**2734**
17:15	**Combination immunotherapy in mesothelioma: managing expectations and new toxicities** Selina Tsim (Glasgow (Glasgow), United Kingdom)	**2735**
17:35	**Re-challenge of immunotherapy in a lung cancer patient** Anne-Claire Toffart (Pontcharra, France)	**2736**
17:55	**Session wrap-up**	**2737**

Channel 6 Session 303 16:30 - 18:00

Oral presentation: Innovation in respiratory training

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Airway diseases Respiratory critical care

Method(s) : General respiratory patient care

Tag(s) : COVID

Chairs : Gernot G.U. Rohde (Frankfurt am Main, Germany), Daiana Stolz (Basel, Switzerland)

OA2738	**Introduction**
OA2739	**COPD.Pal: Using a person-based approach to develop a self-management app for people with COPD** Sarah Rees (SA14 8QF, United Kingdom), Liam Knox, Rachel Gemine, Sarah Bowen, Phil Groom, David Taylor, Ian Bond, Keir Lewis
OA2740	**Children's interstital lung diseases (chILD) – an area of unmet educational need?** Elise Weir (Glasgow (Glasgow), United Kingdom), Tugba Sismanlar Eyuboglu, Matthias Griese, Nicolaus Schwerk, Deborah Snijders, Steve Cunningham
OA2741	**The effect of COVID-19 on the respiratory workforce and trainee education** Sam Bartlett-Pestell (London, United Kingdom), Annakann Navaratnam, Ini Adelaja, Martin Allen
OA2742	**Audience response systems aid confidence in managing hospitalised patients with pneumonia online** Amir Hakim (London, United Kingdom), William Ricketts
OA2743	**Digital medical conference attendees' reasons for attendance and ideas for conference improvement: results of an international survey** Sai Ram (Bern, Switzerland), Carine Pannetier , Nathalie Tabin, Richard Costello, Daiana Stolz, Kevin Eva, Sören Huwendiek
OA2744	**Respiratory upskilling training sessions for redeployed clinical staff in the COVID-19 pandemic** Nicola Smallcombe (London, United Kingdom), Annelies Sweeney, Filitsa Allwright, Rachel Crisp, Helen Mills, Rachel Gill, William Ricketts
OA2745	**Late Breaking Abstract - Survey on pulmonologists' clinical life during the COVID-19 pandemic** Pia Iben Pietersen (Odense NØ, Denmark), Lars Konge, Rasmus Jørgensen, Amy Farr, Christian Laursen
OA2746	**Discussion**

17:30-18:15
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Studio Amsterdam Session 305 18:00 - 18:15

Breakout room: Breakout room: Symposium, New insights into nontuberculous mycobacteria disease: from diagnosis to treatment

Chairs : Aurélie Crabbé (Ghent, Belgium), Marc Lipman (London, United Kingdom), Emmanuelle Cambau (Paris, France), Michael Loebinger (London, United Kingdom), Jakko van Ingen (Nijmegen, Netherlands), Claire Andrejack (Amiens Cedex 1, France)

Studio Barcelona Session 306 18:00 - 18:15

Breakout room: Breakout room: Symposium, Pharmacology of lung immune responses: which pathways to target!

Chairs : Tommy Palai (Gaborone, Botswana), Anneke Ten Brinke (Leeuwarden, Netherlands), Peter J. Barnes (London, United Kingdom), Lena Uller (Lund, Sweden), Chair to be confirmed

Studio London Session 307 18:00 - 18:15

Breakout room: Breakout room: Journal session, The "State of the Art" in the diagnosis of bacterial, mycobacterial, and fungal pneumonias

Chairs : Hani Abo-Leyah (Perth (Perthshire), United Kingdom), Jeffrey Drazen (Waltham, United States of America), Lindsey Baden (Boston, United States of America), Tobias Welte (Hannover, Germany), Kathryn Maitland (Kilifi, Kenya)

Studio Munich Session 308 18:00 - 18:15

Breakout room: Breakout room: Lungs on fire, LoF Respiratory critical care / Sleep and Breathing disorders

Chairs : Sarang Patil (Dhule (Maharashtra), India), Marieke L. Duiverman (Groningen, Netherlands)

Studio Paris Session 309 18:00 - 18:15

Breakout room: Breakout room: Grand round, Lung cancer grand round

Chairs : Lucia Carolina Viola Muñoz (Bogotá, Colombia), Jo Raskin (Kessel-Lo, Belgium), Amanda Tufman (München, Germany), Selina Tsim (Glasgow (Glasgow), United Kingdom), Anne-Claire Toffart (Pontcharra, France)

18:15-19:45
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20:00-21:30
INDUSTRY VIRTUAL SYMPOSIUM SEE PAGE 1

07:45-09:15
INDUSTRY VIRTUAL SYMPOSIUM SEE PAGE 1

09:00-09:45
INDUSTRY SKILLS LAB WORKSHOP SEE PAGE 1

Channel 1 Session 324 09:30 - 11:30

Language session: Chinese programme 2021
A joint ERS/CTS session

Aims : To present and discuss the new advances in respiratory medicine presented by experienced speakers from the European Respiratory Society leadership and Chinese leaders in respiratory medicine; to present an overview of hot respiratory disease topics in Europe and China.

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

Method(s) : General respiratory patient care | 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, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist

Chairs : Jieming Qu (Shanghai, China), Nicolas Roche (Paris, France)

09:30	**Introduction**	**2822**
09:35	**Seroprevalence and humoral immune durability of anti-SARS-CoV-2 antibodies: a longitudinal, population-level, cross-sectional study in Wuhan, China** Chen Wang (Beijing, China)	**2823**
09:50	**Long-COVID: What will be the legacy from the pandemic?** Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)	**2824**
10:05	**The role of epithelium-dependent fibroblast activation in pulmonary fibrosis** Wen Ning (Tianjin, China)	**2825**
10:20	**Interstitial lung diseases and COVID-19: myths and reality** Katerina Antoniou (Heraklion, Greece)	**2826**
10:35	**Radiomics in lung cancer: progress and challenges** Weimin Li (Chengdu (Sichuan), China)	**2827**
10:50	**Winners and losers: Managing chronic respiratory patients during the COVID-19 pandemic** Joanna Chorostowska-Wynimko (Warsaw, Poland)	**2828**
11:05	**Discussion and Q&A**	**2829**

Channel 2 Session 325 09:30 - 11:00

Oral presentation: Pearls in immunology, outcome studies and clinical trials in asthma, alpha-1 antitrypsin deficiency and COPD

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Airway diseases

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

Chairs : Marco Idzko (Wien, Austria), Christian Taube (Essen, Germany)

OA2830	**Introduction**	
OA2831	**Follicular T helper and Breg cell balance in severe allergic asthma before and after omalizumab therapy** Laura Bergantini (siena, Italy), Miriana D'Alessandro, Paolo Cameli, Behar Cekorja , Elena Bargagli	

OA2832	**The expression of IL17RA (the common subunit of IL-17A and IL-25 receptor) on sputum macrophages in asthma patients** Patrycja Nejman-Gryz (Warszawa, Poland), Magdalena Paplińska-Goryca, Małgorzata Proboszcz, Elzbieta Grabczak, Joanna Hermanowicz-Salamon, Rafał Krenke
OA2833	**IL-4Ra signaling is required for thymic stromal lymphopoietin (TSLP)-induced type 2 airway inflammation** Subhashini Srivatsan (Tarrytown, United States of America), George Scott, Dylan Birchard, Jeanne Allinne, Li-Hong Ben, Andrew J Murphy, Matthew A Sleeman, Jamie M Orengo
OA2834	**Clinical consequences and longitudinal outcomes in PiMZ heterozygous a1-antitrypsin deficiency smokers from SPIROMICS** Igor Barjaktarevic (Los Angeles, United States of America), Ani Manichaikul, Daniela Markovic, Roxana Hixson, Christopher Cooper, Russell Buhr, R.G. Barr, Jeffrey Curtis, M. Bradley Drummond, Spyridon Fortis, Gregory Hawkins, Meilan Han, Eric Hoffman, Victor Kim, Xingnan Li, Fernando Martinez, Robert Paine Iii, Cheryl Pirozzi, Donald Tashkin, James Wells, Prescott Woodruff, Deborah Meyers, Eugene Bleecker, Victor Ortega
OA2835	**A Reduced Frequency of GARPFoxp3 T Regulatory Cells in COPD Patients is Associated with Emphysema Phenotype** Jia Hou (Yinchuan, China), Xiangguo Duan, Hui Li, Xiwei Zheng
OA2836	**Impact of severe exacerbations on lung function in dupilumab-treated patients: LIBERTY ASTHMA QUEST** Alberto Papi (Ferrara, Italy), Kenneth R. Chapman, Mario Castro, Daniel J. Jackson, Nadia Daizadeh, Nami Pandit-Abid, Yamo Deniz, Paul Rowe, Benjamin Ortiz
OA2837	**Dupilumab efficacy in patients with GINA-defined type 2 asthma: TRAVERSE** Eric D. Bateman (Cape Town, South Africa), Ian D. Pavord, William W. Busse, Nadia Daizadeh, Yamo Deniz, Paul Rowe, Juby A. Jacob-Nara, Rebecca Gall, Nami Pandit-Abid, Benjamin Ortiz
OA2838	**Late Breaking Abstract - Type 2 biomarker expression (FeNO and blood eosinophils) is higher in severe adult-onset than in severe early-onset asthma** Marek Lommatzsch (Rostock, Germany), Maria Klein, Paul Stoll, Johann Christian Virchow
OA2839	**Discussion**

Channel 3 Session 326 09:30 - 11:00

Oral presentation: Acute and chronic lung infections in children

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

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

Tag(s) : COVID

Chairs : Marijke Proesmans (Leuven, Belgium), Stefan Unger (Edinburgh (Edinburgh), United Kingdom)

OA2840	**Introduction**
OA2841	**Implementation of a Paediatric Bronchiectasis Severity Index (PBSI)** Naomi Parsons (Coventry, United Kingdom), Priti Kenia, Hollie Smith , Prasad Nagakumar
OA2842	**Chronic wet cough in Australian children: societal costs and quality of life** Samantha Prime (Brisbane, Australia), Hannah Carter, Steven Mcphail, Helen Petsky, Anne Chang, Nicholas Graves, Julie Marchant
OA2843	**Pseudomonas aeruginosa isolation in respiratory samples of children with neurological impairment- does it matter?** Kamini Jain (Birmingham (West Midlands), United Kingdom), Katie Wilkinson, Rebecca Devaney, Ben Elkington, Imad Ahmed, Helen Hickey, Louise Mogford, Amruth Karthik
OA2844	**Pulmonary function in children previously treated with empyema** Pinar Ergenekon (Istanbul, Turkey), Mehmet Cihan Senturk, Yasemin Gokdemir, Cansu Yilmaz Yegit, Muruvvet Cenk, Mine Kalyoncu, Aynur Guliyeva, Ayten Ceren Bakir, Gursu Kiyan, Fazilet Karakoc, Ela Erdem Eralp, Saniye Girit Kanmis, Emine Atag, Seda Geylani Gulec, Bulent Karadag
OA2845	**Palivizumab: Is it cost effective to extend the vaccination period for patients at risk of severe respiratory syncytial virus infection?** Gemma Wilson (Cambridge, United Kingdom), Louise Selby, Pravin Desai
OA2846	**Severity Scores used in the assessment of Bronchiolitis: A systematic review** William Bedson (Liverpool, United Kingdom), Emma Wilkinson, Dan Hawcutt, Paul Mcnamara

OA2847	**Structured Light Plethysmography (SLP) in COVID-19 children: a focus on Multisystem Inflammatory Syndrome in Children (MIS-C)** Michele Ghezzi (Bergamo, Italy), Emma Longoni, Martina Pascuzzi, Francesca Riccaboni, Marco Ugo Sartorio, Andrea Farolfi, Michele Piazza, Laura Tenero, Giorgio Piacentini, Enza D'Auria, Gian Vincenzo Zuccotti
OA2848	**Widespread use of face masks and respiratory viral infections: the SARS-CoV-2 pandemic lesson** Luigi Matera (Rome, Italy), Raffaella Nenna, Antonella Frassanito, Laura Petrarca, Enrica Mancino, Greta Di Mattia, Domenico Paolo La Regina, Valentina Rizzo, Chiara Tonnarini, Fabio Midulla
OA2849	**Late Breaking Abstract - Impact of COVID-19 social distancing on viral infection in France: a delayed outbreak of RSV** Ralph Epaud (Creteil, France), Celine Delestrain, Kostas Danis, Isabelle Hau, Sylvie Behillil, Marie-Noëlle Billard, Leyla Kragten, Robert Cohen, Bont Louis
OA2850	**Discussion**

Channel 4 Session 327 09:30 - 11:00

Oral presentation: Respiratory infections and bronchiectasis outcomes

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Transplantation Respiratory intensive care Epidemiology Public health Physiology Cell and molecular biology Endoscopy and interventional pulmonology

Tag(s) : COVID

Chairs : Natalie Lorent (Leuven, Belgium), Anthony De Soyza (Newcastle-upon-Tyne, United Kingdom)

OA2852	**RCT Abstract - Fast multiplex bacterial PCR in the bronchoalveolar lavage for antibiotic stewardship in hospitalized patients with pneumonia at risk for Gram negative bacteria infection–the randomized FLAGSHIP II Study** Andrei Darie (Basel, Switzerland), Nina Khanna, Kathleen Jahn, Michael Osthoff, Stefano Basetti, Mirjam Osthoff, Desiree Schumann, Werner Albrich, Martin Brutsche, Leticia Grize, Michael Tamm, Daiana Stolz
OA2851	**Introduction**
OA2853	**Deteriorating heath status in bronchiectasis : longitudinal data from the EMBARC registry** Stefano Aliberti (Milano (MI), Italy), Rosario Manendez, Francesco Blasi, Felix Ringshausen, Anthony Desoyza, Montserrat Vendrell, Pieter Goeminne, Eva Polverino, Wim Boersma, Pierre Regis Burgel, Katerina Dimakou, Charles Haworth, Amelia Shoemark, Megan Crichton, Adam Hill, Michal Shteinberg, Michael Loebinger, Antoni Torres, Tobias Welte, Stuart Elborn, James D. Chalmers
OA2854	**Quality of care in bronchiectasis using the European Respiratory Society Guidelines as a reference standard- data from the EMBARC registry** Pieter Goeminne (Bornem, Belgium), Pierre-Regis Burgel, Michal Shteinberg, Eva Polverino, Charles Haworth, Michael Loebinger, Antoni Torres, Oriol Sibila, Francesco Blasi, Tobias Welte, Anthony Desoyza, Montserrat Vendrell, Felix Ringshausen, Amelia Shoemark, Adam Hill, Megan Crichton, Stuart Elborn, Wim Boersma, Robert Wilson, Katerina Dimakou, James D. Chalmers, Stefano Aliberti
OA2855	**Long term clinical outcomes of bronchiectasis in India: Data from the EMBARC/RRNI Indian Bronchiectasis Registry** Raja Dhar (Kolkata (West Bengal), India), Sheetu Singh, Deepak Talwar, Murali Mohan, Surya Kant Tripathi, Rajesh Swarnakar, Sonali Trivedi, Srinivas Rajagopala, George D'Souza, Arjun Padmanabhan, Archana Baburao, Pieter Goeminne, Megan Crichton, James D. Chalmers, Sneha Limaye, Sundeep Salvi
OA2856	**Corticosteroids in severe pneumonia. A propensity score matching study based on real-life.** Adrian Ceccato (barcelona, Spain), Alessandro Russo, Enric Barbeta, Patricia Oscanoa, Giusy Tiseo, Albert Gabarrus, Pierluiggi Di Giannatale, Stefano Nogas, Francesco Menichetti, Miquel Ferrer, Marco Falcone, Antoni Torres
OA2857	**Clinical decision making is improved by rapid multiplex-PCR in suspected lower respiratory tract infection after lung transplantation in a prospective cohort study** Benjamin Seeliger (Hannover, Germany), Moritz Z Kayser, Christina Valtin, Jan Fuge, Stefan Ziesing, Tobias Welte, Mathias W Pletz, Patrick Chhatwal, Jens Gottlieb
OA2858	**Serum heparan sulfate levels predict the etiology of acute exacerbations in COPD** Eleni Papakonstantinou (Thessaloniki, Greece), Meropi Karakioulaki, Leticia Grize, Michael Tamm, Daiana Stolz

OA2859	**External assessment and validation of the RAPID score using an international multicentre pleural infection cohort treated with intrapleural fibrinolytics** Eihab Bedawi (Oxford (Oxfordshire), United Kingdom), Najib Rahman, Lonny Yarmus, Jason Akulian
OA2860	**LSC - 2021 - Functional profiling and visualization of stromal cell dynamics in the influenza virus infected lung** Julie Worrell (Glasgow, United Kingdom), George Finney (g.finney.1@research.gla.ac.uk / University of Glasgow,Glasgow), Chris Hansell (chahansell@gmail.com / University of Glasgow,Glasgow), Jagtar Singh-Nijjar (jsn33@cam.ac.uk / University of Cambridge,Cambridge), Fraser Morton (fraser.morton@glasgow.ac.uk / University of Glasgow,Glasgow), John Cole (john.cole@glasgow.ac.uk / University of Glasgow,Glasgow), Megan Macleod (megan.macleod@glasgow.ac.uk / University of Glasgow,Glasgow)
OA2861	**Discussion**

Channel 5 Session 328 09:30 - 11:00

Oral presentation: New evidence from longitudinal COPD cohorts and other key studies

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Airway diseases

Method(s) : Epidemiology Public health Pulmonary function testing

Chairs : Jennifer Quint (Wimbledon, United Kingdom), Giorgio Walter Canonica (Milano (MI), Italy)

OA2862	**Introduction**
OA2863	**Persistent chronic cough and vitamin D deficiency** Johnmary T. Arinze (Rotterdam, Netherlands), Katia M. C. Verhamme, Bruno Stricker, Guy G. Brusselle
OA2864	**Predictors of severe COVID-19 in COPD** Caroline Stridsman (Luleå, Sweden), Lowie Vanfleteren , Jon R Konradsen, Sten Axelsson Fisk, Fredrik Nyberg, Christophe Pedroletti, Yvonne Sjöö, Jörgen Syk, Anne Lindberg, Alf Tunsäter, Ann Ekberg Jansson, Johanna Karlsson Sundbaum
OA2865	**ICS withdrawal and rate of FEV1 decline in a primary care COPD population in England** Hannah Whittaker (London, United Kingdom), Steven Kiddle, Ian Douglas, Kevin Wing, Jennifer Quint
OA2866	**An estimate of the European prevalence of COPD in 2050** Adam Benjafield (Sydney, Australia), Daniela Tellez, Meredith Barrett, Rahul Gondalia, Carlos Nunez, Jadwiga Wedzicha, Atul Malhotra
OA2867	**Predictions of post-bronchodilator airflow obstruction by longitudinal asthma and wheeze patterns in middle-age** Jennifer Perret (Melbourne (VIC), Australia), Don Vicendese, Koen Simons, Adrian Lowe, Caroline Lodge, Debbie Jarvis, Geza Benke, Adrian Bickerstaffe, Christine Mc Donald, Michael Abramson, E Haydn Walters, Cosetta Minelli, Shyamali Dharmage
OA2868	**Oral bacterial composition and low lung function in a general population** Rajesh Shigdel (Bergen, Norway), Ane Johannessen , Cecilie Svanes, Francisco Gomez Real , Randi Jacobsen Bertelsen
OA2869	**Long-term air pollution and road traffic noise exposure and COPD: the Danish Nurse Cohort** Shuo Liu (Copenhagen, Denmark), Shuo Liu, Youn-Hee Lim, Marie Pedersen, Jeanette T. Jørgensen, Heresh Amini, Rudi G.J. Westendorp, Steffen Loft, Zorana J. Andersen
OA2870	**Forced Vital Capacity and Mortality in The BOLD Study: Preliminary Findings** Emmanouil Bagkeris (London, United Kingdom), Octavia Mulhern, Andre Amaral, Peter Burney
OA2871	**Clinical characteristics, mortality rates and causes of death in non-exacerbating COPD patients. A longitudinal cohort analysis of UK primary care data.** Alexandra Lenoir (Munich, Germany), Hannah R Whittaker, Alicia Gayle, Deborah L Jarvis, Jennifer K Quint
OA2872	**Late Breaking Abstract - Pertussis incidence among older adults with asthma and COPD in South Korea** Hyungwoo Kim (Seoul, Republic of Korea), Ju-Young Shin, Ju Hwan Kim, Jing Chen, Adrienne Guignard, Ahhyung Choi, Yunha Noh, Hee Jin Cheong, Yeon-Mok Oh, Sumitra Shantakumar
OA2873	**Discussion**

Studio Amsterdam Session 329 09:30 - 11:00

Hot topics: Hot news from the pleura

Practice-changing research in pleural disease: how to apply the latest evidence

Aims : To provide an update on current evidence behind interventional and observational management of pneumothorax, review randomised data on ambulatory care, and improve patient selection for individual interventions; to critically review data to improve practice regarding up-to-date management of patients clear of infection, risk stratification, microbiology and interventions for failing patients; to appraise the evidence for non-chemotherapy management of mesothelioma, including immunotherapy and surgery, provided by recent randomised trial results; to review best practice for management of malignant pleural effusion, patient choice, intervention selection and complication management.

Disease(s) : Respiratory infections Thoracic oncology

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

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Radiologist, Thoracic oncologist, Thoracic surgeon

Chairs : Jan van Meerbeeck (Edegem (Antwerp), Belgium), Joanna Chorostowska-Wynimko (Warsaw, Poland)

09:30	**Introduction**	**2874**
09:35	**Pneumothorax: rethinking the intervention paradigm** Rob Hallifax (Oxford (Oxfordshire), United Kingdom)	**2875**
09:50	**Pleural infection: phenotyping for optimal treatment selection** Najib M. Rahman (Oxford, United Kingdom)	**2876**
10:05	**Patient's perspective** Tim Cook (, United Kingdom)	**2877**
10:10	**Treating mesothelioma in 2021: what is the role of surgery and immunotherapy?** Anna Bibby (Bristol (Avon), United Kingdom)	**2878**
10:25	**Optimal management of symptomatic malignant pleural effusions: individualised care** Elżbieta Magdalena Grabczak (Warszawa, Poland)	**2879**
10:40	**Discussion and Q&A**	**2880**

Studio Barcelona Session 330 09:30 - 10:10

Guidelines session: ERS guidelines on non-continuous positive airway pressure therapies in obstructive sleep apnoea

Aims : To discuss new recommendations of a recent guideline on non-continuous positive airway pressure (Non-CPAP) therapies in obstructive sleep apnoea, determined by a systematic review of the literature. It is as an update of the 2011 ERS Statement on non-CPAP therapies, advanced into a clinical guideline.

Disease(s) : Sleep and breathing disorders

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Medical Technical Assistant, Nurse, Patient, Journalist

Chairs : Anita Simonds (London, United Kingdom), Winfried J. Randerath (Solingen, Germany)

09:30	**Introduction**	**2881**
09:32	**Clinical approach** Sophia E. Schiza (Heraklion, Greece)	**2882**
09:42	**Treatment options and recommendations** Johan Verbraecken (Edegem (Antwerp), Belgium)	**2883**
09:52	**Practical approach with cases, interactive questions and discussion** Joerg Steier (London, United Kingdom)	**2884**

Studio London Session 331 09:30 - 11:00

Symposium: Living with a new norm: providing quality care in the post-COVID era

Aims : To explore the delivery of safe, high-quality and innovative respiratory care in the post-COVID era.

Disease(s) : Airway diseases Respiratory infections

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

Tag(s) : Clinical, COVID, Digital health

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist

Chairs : Martijn A. Spruit (Horn, Netherlands), Pierantonio Laveneziana (Paris, France), Joana Cruz (Leiria, Portugal)

09:30	**Introduction**	**2885**
09:35	**Patient's perspective** Irantzu Muerza Santos (, Spain)	**2886**
09:40	**Airway diseases: how to safely investigate respiratory symptoms in the post-COVID era** Antonio Spanevello (Milan, Italy)	**2887**
09:55	**Evidence for and practical implementation of telephone, video-call and on-line consultations** Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom)	**2888**
10:10	**Effectiveness, safety and delivery of pulmonary rehabilitation** Thierry Troosters (Leuven, Belgium)	**2889**
10:25	**Maintaining care for high-risk patients with cancer in a pandemic** Ilona Tietzova (Praha, Czech Republic)	**2890**
10:40	**Discussion and Q&A**	**2891**

Studio Munich Session 332 09:30 - 11:00

State of the art session: Pulmonary vascular diseases

Aims : To provide insight into specific groups of patients with pulmonary hypertension.

Disease(s) : Pulmonary vascular diseases

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

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Physician in Pulmonary Training

Chairs : Marion Delcroix (Leuven, Belgium), Marc Humbert (Le Kremlin-Bicêtre, France)

09:30	**Introduction**	**2892**
09:35	**Home treatment of pulmonary embolism** Olivier Sanchez (Paris, France)	**2893**
09:50	**Differential diagnosis of pre- and post-capillary pulmonary hypertension: the OPTICS study and other strategies** Harm Jan Bogaard (Amsterdam, Netherlands)	**2894**
10:05	**Low DLCO in pulmonary vascular diseases** Karen M Olsson (Hannover, Germany)	**2895**
10:20	**Portopulmonary hypertension** Laurent Savale (Le Kremlin-Bicêtre, France)	**2896**
10:35	**Discussion and Q&A**	**2897**

Studio Paris Session 333 09:30 - 11:00

Clinical trials session: ALERT: Asthma in adult, in children and ILDs

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Pulmonary rehabilitation General respiratory patient care

Chairs : Richard Costello (Dublin 9, Ireland), Daiana Stolz (Basel, Switzerland)

RCT2898	**Introduction**	

RCT2899	**Reducing Asthma Attacks in Children using Exhaled Nitric Oxide as a biomarker to inform treatment strategy: a randomised trial (RAACENO)** Stephen Turner (Aberdeen (Aberdeenshire), United Kingdom), Seonaidh Cotton, Jess Wood, Victoria Bell, Amalraj Raja, Neil Scott, Shona Fielding, Graeme Maclennan, Erol Gaillard, Marielle Pijnenburg, Mike Thomas, David Price
RCT2900	**Late Breaking Abstract - Phase 2 trial evaluating the effects of dexpramipexole on blood eosinophils, lung function, and airway biomarkers in eosinophilic asthma** Salman Siddiqui (Leicester, United Kingdom), Michael Bozik, Donald Archibald, Steven Dworetzky, James Mather, Randall Killingsworth, Sergei Ochkur, Elizabeth Jacobsen, Reynold Panettieri, Calman Prussin
RCT2901	**Breathing exercises for specialist care asthma patients: a multicentre randomised trial** Karen Hjerrild Andreasson (Næstved, Denmark), Søren T Skou, Charlotte Suppli Ulrik, Hanne Madsen, Kirsten Sidenius, Celeste Porsbjerg, Karin Dahl Assing, Jannie Bloch-Nielsen, Mike Thomas, Uffe Bodtger
RCT2902	**Wrap-up by discussant and discussion** Speaker to be confirmed
RCT2903	**RCT Abstract - Cyclophosphamide added to glucocorticoids in acute exacerbation of idiopathic pulmonary fibrosis (EXAFIP): a randomized, double-blind, placebo-controlled, phase 3 trial** Jean-Marc Naccache (Creteil, France), Stephane Jouneau, Morgane Didier, Raphaël Borie, Marine Cachanado, Arnaud Bourdin, Martine Reynaud-Gaubert, Philippe Bonniaud, Dominique Israel-Biet, Gregoire Prevot, Sandrine Hirschi, Francois Lebargy, Sylvain Marchand-Adam, Nathalie Bautin, Julie Traclet, Emmanuel Gomez, Sylvie Leroy, Frederic Gagnadoux, Frederic Rivière, Emmanuel Bergot, Anne Gondouin, Elodie Blanchard, Antoine Parrot, Francois-Xavier Blanc, Alexandre Chabrol, Stephane Dominique, Aude Gibelin, Abdellatif Tazi, Laurence Berard, Pierre-Yves Brillet, Marie-Pierre Debray, Alexandra Rousseau, Malorie Kerjouan, Olivia Freynet, Marie-Christine Dombret, Anne-Sophie Gamez, Ana Nieves, Guillaume Beltramo, Jean Pastré, Aurélie Le Borgne-Krams, Tristan Dégot, Claire Launois, Laurent Plantier, Lidwine Wémeau-Stervinou, Jacques Cadranel, Cécile Chenivesse, Dominique Valeyre, Bruno Crestani, Vincent Cottin, Tabassome Simon, Hilario Nunes, On Behalf Of The Orphalung Network
RCT2904	**Results of a phase 2 study of GLPG1205 for idiopathic pulmonary fibrosis (PINTA)** Vincent Cottin (Lyon, France), Christian A. Seemayer, Liesbeth Fagard, Paul Ford, Tom Van Der Aa, Angela De Haas-Amatsaleh, Eva Santermans, Eric Sondag, Toby M. Maher, Ulrich Costabel, Irina R. Strambu
RCT2905	**Late Breaking Abstract - Long-term Effect of Pulmonary Rehabilitation under Nintedanib treatment in Idiopathic Pulmonary Fibrosis (FITNESS study)** Takashi Ogura (Yokohama, Japan), YOSHIHIRO MORI, Kensuke Kataoka, Osamu Nishiyama, Masahiko Ando, Shinichi Arizono, Tomoya Ogawa, Akira Shiraki, Kazuya Ichikado, Hiroshi Ishimoto, Hiroyuki Ito, Koji Sakamoto, Keisuke Tomii, Hiromi Tomioka, Toru Tsuda, Ryo Kozu, Yasuhiro Kondoh
RCT2906	**Wrap-up by discussant and discussion** Speaker to be confirmed
RCT2907	**Closing remarks**

Channel 6 Session 334 09:30 - 11:00

Oral presentation: Optimising outcomes of lung transplantation: how to move forward?

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.
This session includes the Best Abstract for Assembly 8 - Thoracic Surgery and Transplantation, entitled "Host response towards decellularised lung extracellular matrix reinforced bioinks for 3D bioprinting lung tissue for transplantation"

Disease(s) : Interstitial lung diseases Airway diseases

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

Chairs : Robin Vos (Leuven, Belgium), Michael Perch (Gentofte, Denmark)

OA2908	**Introduction**
OA2909	**Interstitial lung diseases and transplantation - how to choose the best candidate?** Martina Šterclová (Praha, Czech Republic), Zuzana Kovarikova, Libor Fila, Lucie Valentova-Bartakova
OA2910	**The impact of colonization with therapy-resistant pathogens on the survival rate after lung transplantation (LUTX) in cystic fibrosis (CF)** Bettina Weingard (Homburg (Saar), Germany), Franziska C. Trudzinski, Sophie Schneitler, Sören Becker, Hans-Joachim Schäfers, Robert Bals, Heinrike Wilkens, Frank Langer
OA2911	**Does assessing frailty in lung transplant candidates on the waiting list provide information?** Alba Gómez Garrido (Barcelona, Spain), Bernat Planas , Antonieta Falco, Patricia Launois, Vicenta Pujol, Marta Sabate, Anna Mayer, Irene Bello, Judith Sacanell, Antonio Roman

OA2912	**Reduced ventilatory efficiency during exercise in lung transplant recipients** Fausto Braccioni (Padova, Italy), Filippo Lanfranchi, Francesca Battista, Marco Schiavon, Eleonora Faccioli, Monica Loy, Marcello Di Paolo, Andrea Ermolao, Federico Rea, Andrea Vianello
OA2913	**Basiliximab vs antithymocyte globulin after lung transplantation: A national review** Bruno de Aguiar Mendes (Lisboa, Portugal), Carlos Figueiredo, Mariana Cabral, Alexandra Borba, Alexandra Mineiro, João Cardoso, Paulo Calvinho, Luísa Semedo, José Fragata
OA2914	**Electronic nose for detecting chronic lung allograft dysfunction in lung transplant recipients** Nynke Wijbenga (Rotterdam, Netherlands), Rogier A. S. Hoek, Bas J. Mathot, Leonard Seghers, Catharina C. Moor, Olivier C. Manintveld, Merel E. Hellemons
OA2915	**Oxygenated hemoglobin predicts outcome in patients with chronic lung allograft dysfunction** Kathrin Kahnert (München, Germany), Franziska C. Trudzinski, Christiane Bickert, Dieter Munker, Katrin Milger, Michael Irlbeck, Roland Tomasi, Christian Schneider, Sebastian Michel , Felix Herth, Jürgen Behr, Rudolf Jörres, Nikolaus Kneidinger
OA2916	**Comparison of extracorporeal photopheresis efficacy in treated versus non-treated patients with refractory BOS.** Justine Leroux (Strasbourg, France), Sandrine Hirschi, Arnaud Essaydi, Alain Bohbot, Tristan Degot, Armelle Schuller, Anne Olland, Romain Kessler, Benjamin Renaud-Picard
OA2917	**LSC - 2021 - Host response towards decellularised lung extracellular matrix reinforced bioinks for 3D bioprintin g lung tissue for transplantation** Martina M. De Santis (Lund, Sweden), Iran A. N. Da Silva (iran.augusto_silva@med.lu.se / Lung Bioengineering and Regeneration (LBR), Department of Experimental Medical Sciences, Wallenberg Center for Molecular Medicine, Stem Cell Center, Lund University ,Lund), Sujeeth Prithiviraj (sujeethkumar.prithiviraj.3684@med.lu.se / Laboratory for Cell, Tissue and Organ Engineering, Department of Clinical Sciences, Wallenberg Center for Molecular Medicine, Stem Cell Center, Lund University,Lund), John Stegmayr (john.stegmayr@med.lu.se / Lung Bioengineering and Regeneration (LBR), Department of Experimental Medical Sciences, Wallenberg Center for Molecular Medicine, Stem Cell Center, Lund University ,Lund), Paul E. Bourgine (paul.bourgine@med.lu.se / Laboratory for Cell, Tissue and Organ Engineering, Department of Clinical Sciences, Wallenberg Center for Molecular Medicine, Stem Cell Center, Lund University,Lund), Darcy E. Wagner (darcy.wagner@med.lu.se / Lung Bioengineering and Regeneration (LBR), Department of Experimental Medical Sciences, Wallenberg Center for Molecular Medicine, Stem Cell Center, Lund University ,Lund)
OA2918	**Late Breaking Abstract - Good outcome for lung transplantation for adults with interstitial lung disease associated with genetic disorders of surfactant metabolism** Julien Bermudez (Marseille, France), Nadia Nathan, Benjamin Coiffard, Antoine Roux, Sandrine Hirschi, Tristan Degot, Vincent Bunel, Jérôme Le Pavec, Julie Macey, Aurélie Leborgne-Krams, Vincent Cottin, Raphaël Borie, Martine Reynaud-Gaubert
OA2919	**Discussion**

Skills lab Session 335 10:00 - 12:00

Skills lab: Interventional pulmonology

Aims : To demonstrate bronchoscopic techniques for the diagnosis, nodal staging, and treatment of lung cancer; to demonstrate novel bronchoscopic techniques for the treatment of chronic obstructive pulmonary disease, emphysema, and chronic bronchitis; to demonstrate how to perform cryobiopsy in interstitial lung diseases, and demonstrate how do to rigid thoracoscopy for suspected pleural malignancy.

Disease(s) : Interstitial lung diseases | Pulmonary vascular diseases | Sleep and breathing disorders | Respiratory critical care | Airway diseases | Paediatric respiratory diseases | Respiratory infections | Thoracic oncology

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

Tag(s) : Clinical

Target audience : Thoracic oncologist, Thoracic surgeon, Adult pulmonologist/Clinician, Physician in Pulmonary Training, Nurse, Paediatrician, Respiratory critical care physician, General practitioner, Radiologist, Pathologist, Medical Technical Assistant

Chairs : Jouke T. Annema (Amsterdam, Netherlands), Daniela Gompelmann (Vienna, Austria)

10:00	**Robotic bronchoscopy combined with needle based confocal laser endomicroscopy (nCLE) for peripheral lung cancer** Christopher Manley (Philadelphia, United States of America)	**2920**
10:15	**Robotic bronchoscopy for pheripheral lung nodule** Felix J.F. Herth (Heidelberg, Germany)	**2921**
10:30	**EBUS combined with EUS-B for a complete endoscopic staging of lung cancer** Vanina Livi (Rimini (FO), Italy)	**2922**
10:45	**Cryobiopsy in interstial lung diseases** Sara Tomassetti (Florence, Italy)	**2923**

11:00	**Bronchoscopic radiofrequent ablation of lung cancer** Daniel Steinfort (Clifton Hill (VIC), Australia)	**2924**
11:15	**Rheoplasty in chronic bronchitis** Judith Brock (Heidelberg, Germany)	**2925**
11:30	**Target lung denervation (TLD) for COPD** Pallav L. Shah (London, United Kingdom)	**2926**
11:45	**Endobronchial valves for lung emphysema** Dirk-Jan Slebos (Groningen, Netherlands)	**2927**

Studio Barcelona Session 336 10:10 - 10:25

Breakout room: Breakout room: Guidelines session, ERS guidelines on non-continuous positive airway pressure therapies in obstructive sleep apnoea

Chairs : Sophia E. Schiza (Heraklion, Greece), Johan Verbraecken (Edegem (Antwerp), Belgium), Joerg Steier (London, United Kingdom), Sumedha Narula (New Delhi, India)

Studio Barcelona Session 337 10:20 - 11:00

Guidelines session: High flow nasal cannula in adults with acute respiratory failure

Aims : To provide the evidence on the application of high flow nasal cannula (HFNC) in adults with acute respiratory failure in different clinical scenarios, concerning a critical and patient centered outcomes (ie. mortality, intubation, lung gas exchange, comfort, dyspnea).

Disease(s) : Respiratory critical care

Method(s) : Respiratory intensive care

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Respiratory critical care physician, Patient, Physiologist, Respiratory physiotherapist, Respiratory therapist

Chairs : Anita Simonds (London, United Kingdom), Winfried J. Randerath (Solingen, Germany)

10:20	**Introduction**	**2928**
10:22	**Physiologic rationale and clinical pitfalls** Raffaele Scala (Arezzo, Italy)	**2929**
10:32	**Non-invasive respiratory treatment options and recommendations** Simon Oczkowski (Hamilton, ON, Canada)	**2930**
10:42	**Practical approach with cases, interactive questions and discussion** Begüm Ergan (Izmir, Turkey)	**2931**

Studio Amsterdam Session 338 11:00 - 11:15

Breakout room: Breakout room: Hot topics, Hot news from the pleura

Chairs : Rob Hallifax (Oxford (Oxfordshire), United Kingdom), Najib M. Rahman (Oxford, United Kingdom), Anna Bibby (Bristol (Avon), United Kingdom), El bieta Magdalena Grabczak (Warszawa, Poland), Charles Wong (Hong Kong, Hong Kong)

Studio Barcelona Session 339 11:00 - 11:15

Breakout room: Breakout room: Guidelines session, High flow nasal cannula in adults with acute respiratory failure

Chairs : Raffaele Scala (Arezzo, Italy), Simon Oczkowski (Hamilton, ON, Canada), Begüm Ergan (Izmir, Turkey), Sumedha Narula (New Delhi, India)

Studio London Session 340 11:00 - 11:15

Breakout room: Breakout room: Symposium, Living with a new norm: providing quality care in the post-COVID era

Chairs : Irantzu Muerza Santos (, Spain), Antonio Spanevello (Milan, Italy), Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Thierry Troosters (Leuven, Belgium), Ilona Tietzova (Praha, Czech Republic), Ema Swingwood (Monmouthshire, United Kingdom)

Studio Munich Session 341 11:00 - 11:15

Breakout room: Breakout room: State of the art session, Pulmonary vascular diseases

Chairs : Olivier Sanchez (Paris, France), Harm Jan Bogaard (Amsterdam, Netherlands), Karen M Olsson (Hannover, Germany), Laurent Savale (Le Kremlin-Bicêtre, France), Mitja Jevnikar (Paris, France)

Studio Paris Session 342 11:00 - 11:15

Breakout room: Breakout room: Clinical trials session, 3-ALERT: Asthma in adult, in children and ILDs

Chairs : Flávia Fonseca Fernandes (Brasília, Brazil), Chair to be confirmed

Channel 2 Session 343 11:15 - 12:45

Oral presentation: A multidisciplinary approach to the management of chronic respiratory diseases

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

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

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

Chairs : Sally J. Singh (Leicester (Leicestershire), United Kingdom), Audrey Borghi Silva (São Carlos (SP), Brazil)

OA2932	**Introduction**
OA2933	**Impact of an individualized exercise training program on metabolic and aerobic capacity data of patients with type-2 diabetes mellitus: A case-control study.** Ichraf Anane (Sousse, Tunisia), Helmi Ben Saad, Imed Latiri
OA2934	**Early experiences of rehabilitation for patients post-COVID to improve fatigue, breathlessness exercise capacity and cognition.** Enya Daynes (Leicester, United Kingdom), Charlotte Gerlis, Emma Chaplin, Nikki Gardiner, Sally Singh
OA2935	**Aerobic Training Improves Pulmonary and Systemic Inflammatory and Fibrotic Response in Asthmatics** Renilson Moraes Ferreira (São José dos Campos, Brazil), Maysa A R Brandao-Rangel, Anamei Silva-Reis, Thiago G Gibson-Alves, Helida C Aquino-Santos, Victor H Souza-Palmeira, Claudio R Frison, Rodolfo P Vieira
OA2936	**Impact of the British Lung Foundation Active Steps service on patient reported outcomes: concurrent cohort study** Arwel Jones (Melbourne, Australia), Hayley Robinson, Mark Saunders, Amanda Brewster, Colin Ridyard, Murray Smith, Jenna Peel, Joel Shopland, Claire Wilson, Susan Frizzell, Abi Dean, Mark Hinchliffe, Niroshan Siriwardena, Graham Law
OA2937	**Educational program in patients with COPD who attend two pulmonary rehabilitation programs in the city of Santiago de Cali** Julián Andrés Rivera Motta (Cali, Colombia), Julián Rivera, Stefani Tonguino, Jhonatan Betancourt, Beatriz Muñoz, Lina Marcela Orozco Mejia
OA2938	**Effectiveness of multi-disciplinary community respiratory team management of chronic respiratory illness during the COVID-19 pandemic** Emma Johnson (Paisley (Renfrewshire), United Kingdom), Emily Turner, Stewart Gingles, Katie Levin, Elaine Mackay, Claire Roux, Marianne Milligan, Marion Mackie, Kirsten Farrell, Kirsty Murray, Suzanne Adams, Joan Brand, Hannah Bayes, David Anderson
OA2939	**Effectiveness of a long-term home-based exercise training program in COPD patients: The HOMEX-1 RCT** Anja Frei (Zürich, Switzerland), Thomas Radtke, Kaba Dalla Lana, Patrick Brun, Thomas Sigrist, Marc Spielmanns, Swantje Beyer, Thomas Riegler, Gilbert Büsching, Sabine Schöndorf, Julia Braun, Ramona Kunz, Tamara Cerini, Milo Puhan
OA2940	**Late Breaking Abstract - Self-management interventions for patients with COPD – a Cochrane review** Jade Schrijver (Enschede, Netherlands), Anke Lenferink, Marjolein Brusse-Keizer, Marlies Zwerink, Paul Van Der Valk, Job Van Der Palen, Tanja Effing
OA2941	**RCT Abstract - Using a smartphone application in COPD patients to increase physical activity following pulmonary rehabilitation. Results of the AMOPUR Study, a multicenter, randomized, controlled study** Marc Spielmanns (Wald, Switzerland), Tobias Böselt, Stephan Huber, Pawandeep Kaur Bollinger, Jonas Bjoerklung, Bernhard Ulm, Anna-Maria Peckaka-Egli, Daniela Leitl, Inga Jarosch, Tessa Schneeberger, Sabine Spielmanns, Rainer Gloeckl, Rembert Koczulla
OA2942	**Discussion**

Channel 3 Session 344 11:15 - 12:45

Oral presentation: COPD pharmacology: from basic science to real-world data

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Airway diseases Respiratory critical care

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

Chairs : Mona Bafadhel (Oxford (Oxfordshire), United Kingdom), Guy Brusselle (Ghent, Belgium)

OA2943	**Introduction**
OA2944	**Ten-year projected outcomes associated with increased use of triple therapies in UK patients with COPD using the COPD Health Outcome Policy and INtervention (CHOPIN) model** Enrico de Nigris (Staines, United Kingdom), Phil Mcewan, Ulf Holmgren, Jonathan Marshall, Hana Müllerová, Volker Foos
OA2945	**COPD maintenance therapy is related to left heart size: Results from the multicenter long-term observation COSYCONET** Peter Alter (Marburg, Germany), Christina Kellerer, Kathrin Kahnert, Franziska Trudzinski, Johanna Lutter, Korbinian Berschneider, Tim Speicher, Henrik Watz, Robert Bals, Tobias Welte, Claus Vogelmeier, Rudolf Jörres
OA2946	**Effect of high or low-medium accumulated dose regimes of systemic corticosteroids for hospitalised patients with exacerbated chronic obstructive pulmonary disease: pooled analysis of individual participant data from the REDUCE and CORTICO-COP trials** Pradeesh Sivapalan (Hellerup, Denmark), Jonas Rutishauser, Charlotte Suppli Ulrik, Jörg D. Leuppi, Lars Pedersen, Beat Mueller, Josefin Eklöf, Tor Biering-Sørensen, Vibeke Gottlieb, Karin Armbruster, Julie Janner, Mia Moberg, Therese S. Lapperre, Thyge L. Nielsen, Andrea Browatzki, Alexander Mathiousdakis, Jørgen Vestbo, Philipp Schüetz, Jens-Ulrik Jensen
OA2947	**Are patients with COPD more adherent to single-inhaler compared with multiple-inhaler triple therapy in a real-world UK primary care treated population?** Kieran Rothnie (London, United Kingdom), Alexandrosz Czira, Chris Compton, Vicky Banks, Robert Wood, Theo Tritton, Joseph Thomas, Olivia Massey, Stuart Blackburn, Rosie Wild, Afisi Ismaila
OA2948	**The therapeutic potential of PD-1/PD-L1 blockade in smoking exposed emphysema** Sei Won Lee (Seoul, Republic of Korea), Jiseon Kim, Na Hyun Kim, Chang-Ho Shon, Jin-Young Huh, Kyung Yeon Han, Kyu-Tae Kim, Sun Hye Shin, Hye Yun Park
OA2949	**Epigenetic regulation via PRMT7 controls monocyte migration and COPD pathogenesis** Ali Oender Yildirim (Neuherberg, Germany), Thomas Conlon, Gizem Gunes, Aicha Jeridi, Rin Kim, Gerald Burgstaller , Stijn Verleden , Tobias Stöger, Gunnar Dittmar, Melanie Königshoff, Oliver Eickelberg , Henrik Watz, Robert Schneider
OA2950	**COPD exacerbation and use of methotrexate – a nationwide study of 58,580 outpatients** Christina Marisa Bergsøe (Frederiksberg, Denmark), Pradeesh Sivapalan, Josefin Eklöf , Zaigham Saghir, Rikke Sørensen, Mohamad Isam Saeed, Jens-Ulrik Stæhr Jensen
OA2951	**Relationship between prior triple therapy use and benefits of budesonide/glycopyrronium/formoterol on exacerbation risk: analysis from ETHOS** Dave Singh (Manchester, United Kingdom), Klaus F Rabe, Fernando J Martinez, Martin Jenkins, Mehul Patel, Paul Dorinsky
OA2952	**Late Breaking Abstract - Comparing pneumonia risk in COPD patients initiating Fixed Dose Combination (FDC) inhaler comprising extrafine beclometasone dipropionate versus fluticasone** David Price (Singapore, Singapore), William Henley, Victoria Carter, Derek Skinner, Rebecca Vella, Alberto Papi, Leonardo M Fabbri, Huib Am Kerstjens, Nicolas Roche, Dave Singh, Claus F Vogelmeier, Elif Şen, José Eduardo Delfini Cançado, Elena Nudo, Sara Barile, George Georges
OA2953	**Late Breaking Abstract - The TRITRIAL COPD study: preliminary baseline patient characteristics collected during the COVID-19 pandemic** Luca Richeldi (Roma, Italy), Pietro Schino, Elena Bargagli, Alberto Ricci, Francesca Marchesani, Alfio Pennisi, Anna Camiciottoli, Alberto Rocca, Mariella D'Amato, Francesco Macagno, Eleonora Ingrassia, Ulrica Scaffidi Argentina, Alessio Piraino, Luca Richeldi
OA2954	**Discussion**

Channel 4 Session 345 11:15 - 12:45

Oral presentation: Causes and consequences of paediatric respiratory diseases

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Airway diseases

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

Tag(s) : COVID

Chairs : Liesbeth Duijts (Rotterdam, Netherlands), Myrofora Goutaki (Bern, Switzerland)

OA2955	**Introduction**
OA2956	**Respiratory symptoms of Swiss people with Primary Ciliary Dyskinesia** Myrofora Goutaki (Bern, Switzerland), Leonie Hüsler, Yin Ting Lam , Eugenie Collaud, Helena Koppe, Eva Pedersen, Claudia Kuehni
OA2957	**The Palestinian primary ciliary dyskinesia (PCD) cohort: clinical, diagnostic and genetic spectrum** Nisreen Rumman (Bethlehem, Palestine), Mahmoud Fassad, Corine Driessens, Patricia Goggin , Nader Abdelrahman, Adel Adwan , Jagrati Chopra, Regan Doherty , Bishara Fashho , Grace M. Freke , Claire L. Jackson , Mai Mohamed, Reda Abu Nema , Mitali P. Patel , Rueben Pengelly, Ahmad Qaaqour , Bruna Rubbo, James Thompson, Gabrielle Wheway, Hannah Mitchison, Jane Lucas
OA2958	**Increased impact of air pollution on lung function in preterm vs. term infants: the BILD study** Fabienne Decrue (Basel, Switzerland), Olga Gorlanova, Yasmin Salem, Danielle Vienneau, Kees De Hoogh, Amanda Gisler, Jakob Usemann, Insa Korten, Uri Nahum, Pablo Sinues, Sven Schulzke, Oliver Fuchs, Philipp Latzin, Martin Röösli, Urs Frey
OA2959	**Early-life urban environment and lung function and asthma at school age. The Generation R Study.** Alicia Abellan (Barcelona, Spain), Susana Santos, Charline Warembourg, Sara M. Mensink-Bout, Vincent W.V. Jaddoe, Martine Vrijheid, Maribel Casas, Liesbeth Duijts
OA2960	**Dietary patterns and lung function in childhood: A longitudinal study** Mohammad Talaei Pashiri (London, United Kingdom), Pauline M. Emmett, Kate Northstone, Seif O. Shaheen
OA2961	**Lung function trajectories and their determinants in 4-18 year-old children from the INMA birth cohort** Sarah Koch (Vancouver, Canada), Gabriela Peralta, Anne-Elie Carsin, Lourdes Cirugeda, Jordi Sunyer, Martine Vrijheid, Raquel Garcia-Esteban, Alicia Abellan, Mònica Guxens, Maties Torrent, Ferran Ballester, Amparo Ferrero, Carmen Iñiguez, Carlos Zabaleta, Mikel Basterrechea, Maribel Casas, Judith Garcia-Aymerich
OA2962	**Effect of COVID19 preventive measures on respiratory infections and symptoms in children** Cristina Ardura-Garcia (Bern, Switzerland), Maria Christina Mallet, Eva Sl Pedersen, Daria Berger, Juerg Barben, Sylvain Blanchon, Carmen Casaulta, Karin Hoyler, Anja Jochmann, Alexander Moeller, Dominik Mueller-Suter, Nicolas Regamey, Philipp Latzin, Claudia E Kuehni
OA2963	**Delayed bronchiolitis season's onset during COVID-19 pandemic** Sergio Ghirardo (Trieste, Italy), Nicola Ullmann, Marta Luisa Ciofi Degli Atti, Massimiliano Raponi, Renato Cutrera
OA2964	**Late Breaking Abstract - Do face masks cause abnormal gas exchange during exercise testing in children?** Maria Christina Mallet (Bern, Switzerland), Michael Hitzler, Marco Lurà, Claudia E Kuehni, Nicolas Regamey
OA2965	**Discussion**

Channel 5 Session 346 11:15 - 12:45

Oral presentation: New approaches to diagnostic and prognostic evaluation of interstitial lung diseases of known causes

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Interstitial lung diseases Respiratory critical care

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

Chairs : Elena Bargagli (Siena, Italy), Athol Wells (London, United Kingdom)

OA2966	**Introduction**

OA2967	**Defining progression in non-IPF ILD** Tinne Goos (Leuven, Belgium), Laurens J. De Sadeleer, Jonas Yserbyt, Ellen De Langhe, Adriana Dubbeldam, Erik K. Verbeken, Geert M. Verleden, Marie Vermant, Johny Verschakelen, Robin Vos, Birgit Weynand, Stijn E. Verleden, Wim A. Wuyts
OA2968	**Automated quantification system predict a progressive phenotype in rheumatoid arthritis-associated interstitial lung disease** Ju hyun Oh (Seoul, Republic of Korea), Grace Hyun J Kim, Gary Cross, Joseph Barnett, Jacob Joseph, Jin Woo Song
OA2969	**Rheumatoid arthritis-associated interstitial lung disease: time trends** Bilal Samhouri (Rochester, United States of America), Cynthia Crowson, Sara Achenbach, Vanessa Kronzer, John Davis, Elena Myasoedova, Robert Vassallo
OA2970	**Disease behaviour and prognostic factors in Hypersensitivity Pneumonitis with UIP-like pattern** Maria João Freitas Ferreira Araújo (Guimarães, Portugal), André Carvalho, Eva Padrão, Helder Novais Bastos, Natália Melo, Patrícia Mota, António Morais
OA2971	**Modified GAP index by including serum KL-6 to assess risk of disease progression in patients with interstitial lung diseases (ILD): preliminary results from the VAMOS study.** Francesco Bonella (Düsseldorf, Germany), Maria Carmen Vegas Sanchez, Paloma Millan , Eva Gottstein, Olga Sánchez Pernaute, Diego Castillo
OA2972	**Artificial intelligence-mediated diagnosis of asbestosis** Kevin Bernardus Wilhelmus Groot Lipman (Amsterdam, Netherlands), Cornedine J. De Gooijer, Thierry N. Boellaard, Ferdi Van Der Heijden, Regina G. H. Beets-Tan, Zuhir Bodalal, Stefano Trebeschi, Sjaak Burgers
OA2973	**Subclinical ILD is frequent and progresses across different connective tissue diseases** Anna Maria Hoffmann-Vold (Oslo, Norway), Helenea Andersson, Silje Reiseter, Håvard Fretheim, Imon Barua, Torhild Garen, Øyvind Midtvedt, Ragnar Gunnarsson, Micheal T Durhem, Mogens Aaløkken, Øyvind Molberg
OA2974	**Association between monocyte count and ILD progression in subjects with fibrosing ILDs: data from the INBUILD trial** Michael Kreuter (Heidelberg, Germany), Toby M Maher, Kazuya Ichikado, Justin M Oldham, Claudia Valenzuela, Heiko Mueller, Klaus B Rohr, Kevin R Flaherty
OA2975	**Shifting demographics of patients diagnosed with E-cigarette or vaping associated lung injury (EVALI)** Denitza Blagev (Salt Lake City, United States of America), Sean Callahan, Dixie Harris, Dave Collingridge, Michael Lanspa
OA2976	**Late Breaking Abstract - A composite serum biomarker index for the diagnosis of systemic sclerosis associated interstitial lung disease: a multicentre, observational, cohort study** Adelle S. Jee (Sydney (NSW), Australia), Iain Stewart, Peter Youssef, Stephen Adelstein, Donna Lai, Sheng Hua, Wendy Mr Stevens, Susanna Proudman, Gene-Siew Ngian, Ian N Glaspole, Yuben P Moodley, Jane F Bleasel, Sacha Macansh, Mandana Nikpour, Joanne Sahhar, Tamera J Corte, . On Behalf Of The Australian Scleroderma Cohort Study, Australian Scleroderma Interest Group, Australian Idiopathic Pulmonary Fibrosis Registry, And Associated Investigators
OA2977	**Discussion**

Studio Amsterdam Session 347 11:15 - 12:45

State of the art session: Thoracic oncology

Aims : To provide valuable insights into hot topics in thoracic oncology. Based on the broad multi-disciplinarity of the European Respiratory Society in this field, latest evidence will be translated into state-of-the-art care, taking into account the integration of artificial intelligence.

Disease(s) : Thoracic oncology

Method(s) : Cell and molecular biology Epidemiology Imaging

Tag(s) : Translational

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Pathologist, Radiologist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon

Chairs : Jan van Meerbeeck (Edegem (Antwerp), Belgium), Joanna Chorostowska-Wynimko (Warsaw, Poland)

11:15	**Introduction**	**2978**
11:20	**Early detection of thoracic malignancies and artificial intelligence: a rapidly evolving field** Annemiek Snoeckx (Edegem (Antwerp), Belgium)	**2979**

11:35	**Multimodality management of non-small cell lung cancer stage III: the pulmonologist as pilot and partner** Armin Frille (Leipzig, Germany)	**2980**
11:50	**New treatment concepts in stage IV non-small cell lung cancer: personalised multidisciplinary approaches** Isabelle Opitz (Zurich, Switzerland)	**2981**
12:05	**Approaches to radiological staging of mesothelioma relating to modern treatment modalities** Kevin Blyth (Glasgow (Glasgow), United Kingdom)	**2982**
12:20	**Discussion and O&A**	**2983**

Studio Barcelona Session 348 11:15 - 12:45

Hot topics: How science conquered COVID-19: from big platform trials to patients

Aims : To describe ground-breaking news about phenotyping and managing acute hospitalised COVID patients; to describe several key studies, results and advances including the recent RECOVERY-RS study of respiratory support, phenotyping to assist risk stratification and the results of the international RECOVERY and REMAP-CAP trials.

Disease(s) : Respiratory critical care Respiratory infections

Tag(s) : Translational , COVID

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Respiratory critical care physician, Physician in Pulmonary Training, Respiratory therapist

Chairs : Anita Simonds (London, United Kingdom), Winfried J. Randerath (Solingen, Germany)

11:15	**Introduction**	**2984**
11:20	**Phenotypes in acute COVID: lessons from the multicentre studies** Charlotte Summers (Cambridge (Cambridgeshire), United Kingdom)	**2985**
11:35	**Needing oxygen in COVID? Acute respiratory support (RECOVERY-RS), continuous positive airway pressure, high-flow nasal oxygen and other approaches controversies** Gavin D Perkins (Birmingham (West Midlands), United Kingdom)	**2986**
11:50	**Research prioritisation in long COVID: using patients and experts to develop an international consensus** Luke Daines (Edinburgh (Edinburgh), United Kingdom)	**2987**
12:05	**What have we learned from big platform trials of COVID? RECOVERY, REMAP-CAP and others** Lennie P. G. Derde (Utrecht, Netherlands)	**2988**
12:20	**Discussion and Q&A**	**2989**

Studio London Session 349 11:15 - 12:45

Symposium: Maintenance of the beneficial effects of pulmonary rehabilitation: the role of digital health

Aims : to describe the natural decline of (extra)pulmonary features of patients with chronic obstructive pulmonary disease (COPD); to describe the concept and effectiveness of maintenance programs following pulmonary rehabilitation; to describe the implementation, challenges and pitfalls of physical activity coaching programs as a maintenance strategy; to provide insight into the role of digital health in maintenance programs.

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

Method(s) : General respiratory patient care Physiology Pulmonary rehabilitation

Tag(s) : Clinical, Digital health

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

Chairs : Martijn A. Spruit (Horn, Netherlands), Pierantonio Laveneziana (Paris, France), Joana Cruz (Leiria, Portugal)

11:15	**Introduction**	**2990**
11:20	**Patient's perspective** Jean-Michel Fourrier (Lagny sur Marne, France)	**2991**
11:25	**Natural decline of (extra) pulmonary features in patients with COPD: a slippery slope** Lowie G.W. Vanfleteren (Gothenburg, Sweden)	**2992**

11:40	**Concepts, goals, challenges and effects of maintenance programs after pulmonary rehabilitation** Carolyn Rochester (New Haven, United States of America)	**2993**
11:55	**Take the active option: physical activity coaching programs** Heleen Demeyer (Leuven, Belgium)	**2994**
12:10	**Role of digital health to improve maintenance** Brian Caulfield (Dublin, Ireland)	**2995**
12:25	**Discussion and Q&A**	**2996**

Studio Munich Session 350 11:15 - 12:45

Symposium: Pulmonary embolism: special situations

Aims : To provide practical recommendations for management of pulmonary embolism (PE) in special situations (cancer and pregnancy), when patients are diagnosed with subsegmental PE and when patients suffer recurrence while on anticoagulant therapy.

Disease(s) : Pulmonary vascular diseases Respiratory critical care

Method(s) : Epidemiology General respiratory patient care Imaging

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Radiologist, Scientist (basic, translational)

Chairs : Marion Delcroix (Leuven, Belgium), Marc Humbert (Le Kremlin-Bicêtre, France)

11:15	**Introduction**	**2997**
11:20	**Management of subsegmental PE** Behnood Bikdeli (New York, United States of America)	**2998**
11:35	**Cancer-associated thrombosis** Manuel Monreal (Badalona, Spain)	**2999**
11:50	**Diagnosis and treatment of PE during pregnancy** Fionnaula Ní Áinle (Dublin, Ireland)	**3000**
12:05	**Management of recurrent PE in patients on anticoagulant therapy** Marc Rodger (Montreal, Canada)	**3001**
12:20	**Discussion and Q&A**	**3002**

Studio Paris Session 351 11:15 - 12:45

Symposium: Precision medicine in respiratory infections

The Cournand Lecture

Aims : To present the Cournand Lecture on the latest translational science in the field of bronchiectasis; to learn about 1) the ERS living guideline on the management of COVID-19 infection; 2) the latest management of hospitalized patients with COVID-19 infection; 3) about the latest methods and findings in the field of the lung microbiome; to review the latest data on biomarkers and omics technologies and how these can guide precision medicine in airways diseases

Disease(s) : Airway diseases Respiratory infections

Method(s) : Cell and molecular biology Epidemiology Public health

Tag(s) : Translational , COVID

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

Chairs : Richard Costello (Dublin 9, Ireland), Daiana Stolz (Basel, Switzerland)

11:15	**Introduction**	**3003**
11:20	**The Cournand Lecture: the renaissance of bronchiectasis** James D. Chalmers (Dundee (Angus), United Kingdom)	**3004**
11:35	**The lung microbiome: bench to bedside** Sanjay Haresh Chotirmall (Singapore, Singapore)	**3005**
11:50	**Precision medicine in airways infections** Holly Rachael Keir (Dundee (Angus), United Kingdom)	**3006**

12:05	**European Respiratory Society living guidelines on the management of hospitalized patients with COVID-19** Nicolas Roche (Paris, France)	**3007**
12:20	**Patient's perspective** Marta Almagro (Barcelona, Spain)	**3008**
12:25	**Discussion and Q&A**	**3009**

Channel 6 Session 352 11:15 - 12:45

Oral presentation: From pathophysiology to different diagnostic modalities in sleep disordered breathing

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Sleep and breathing disorders Airway diseases

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

Chairs : Raphael Heinzer (Lausanne, Switzerland), Silke Ryan (Dublin, Ireland)

OA3010	**Introduction**
OA3011	**Pulse wave amplitude variations: a new biomarker of cardiovascular risk in patients with obstructive sleep apnea in HypnoLaus and ISAACC cohorts** Raphael Heinzer (Lausanne, Switzerland), Manuel Sánchez-De-La-Torre, Geoffroy Solelhac, Mathieu Berger, Camila Hirotsu, José Haba-Rubio, Peter Vollenweider, Gerard Waeber, Pedro Marques-Vidal, Giulio Bernardi, Monica Betta, Alicia Sánchez-De-La-Torre, Ferran Barbe
OA3012	**Pulse-rate variability during sleep studies predicts stroke risk in patients with obstructive sleep apnea** AbdelKebir Sabil (Paris, France), Chloé Gervès-Pinquié, Margaux Blanchard, Mathieu Feuilloy , Wojciech Trzepizur, Nicole Meslier, François Goupil, Thierry Pigeanne, Frédéric Balusson, Emmanuel Oger, Jean-Marc Girault, Frédéric Gagnadoux
OA3013	**Association of obstructive sleep apnea with thoracic fluid volume and small airways narrowing in asthma during sleep** Xiaoshu Cao (Toronto, Canada), Cristina Francisco, Nasim Montazeri Ghahjaverestan, Susan Tarlo, Matthew Stanbrook, T. Douglas Bradley, Azadeh Yadollahi
OA3014	**Changes in CB cell maturation during exposure to chronic intermittent hypoxia** Candelaria Caballero Eraso (Sevilla, Spain), Olaia Colinas, Veronica Sobrino, Carmen Calero-Acuña, Rafaela Gonzalez-Montelongo, Ricardo Pardal, José Lopez-Barneo, Patricia Ortega -saenz
OA3015	**Altitude-induced sleep apnea is highly dependent on the ethnic (Sherpa vs Tamang) background** Grégory Heiniger (Lausanne, Switzerland), Simon Walbaum, Claudio Sartori, Alban Lovis, Raphael Heinzer
OA3016	**Implantable cardiac devices in sleep apnoea diagnosis: a systematic review and meta-analysis** Raoua Ben Messaoud (Grenoble, France), Charles Khouri, Jean Louis Pépin, Jean Luc Cracowski, Renaud Tamisier, Fabian Barbieri, Anna Heidbreder, Pascal Defaye, Marie Joyeux-Faure
OA3017	**Development of a digital medicine solution for home-based obstructive sleep apnea phenotyping** Jean-Benoit Martinot (Namur, Belgium), Sébastien Bailly, Lorent Hostaux, Renaud Tamisier, Nhat-Nam Le-Dong, Jean Pepin
OA3018	**The GLP-1 receptor agonist Liraglutide attenuates intermittent hypoxia-induced pro-inflammatory macrophage polarization in primary macrophages** Ailbhe King (Dublin 4, Ireland), Susan Fitzpatrick, Cliona O'Donnell, Silke Ryan
OA3019	**Multimodal phenotypic labelling using awake endoscopy, drug-induced sleep endoscopy and computational fluid dynamics for mandibular advancement device treatment outcome** Karlien Van den Bossche (Edegem, Belgium), Sara Op De Beeck, Marijke Dieltjens, Annelies Verbruggen, Anneclaire Vroegop, Johan Verbraecken, Paul Van De Heyning, Marc Braem, Olivier Vanderveken
OA3020	**Late Breaking Abstract - Sleep apnea syndrome and atherosclerosis: VE-Cadherin as a new antiatherogenic target?** Olfa Harki (LA TRONCHE, France), Sophie Sophie Bouyon, Emeline Emeline Lemarie, Alexandraa Demory, Isabelle Vilgrain, Jean-Louis Pépin, Gilles Faury, Anne Briançon-Marjollet
OA3021	**Discussion**

Channel 1 Session 353 11:45 - 13:00

Challenging clinical cases: CCC Airway diseases

Aims : To describe the history, pathology, analysis and treatment of complex clinical cases in airway diseases area. The session leaders will facilitate discussion among the case presenters and the audience in order to examine and discuss each case.

Disease(s) : Airway diseases

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Paediatrician, Physician in Pulmonary Training, Respiratory critical care physician, Respiratory physiotherapist, Radiologist, Nurse, Medical Student

Chairs : Dave Singh (Manchester, United Kingdom), Ay e Arzu Yorganc o lu (Izmir, Turkey)

11:45	**Introduction**	**3022**
11:50	**Congenital bronchobiliary fistula in an adult managed with bronchoscopic cyanoacrylate glue instillation** Muniza Bai (PONDICHERRY, India)	**3023**
12:00	**A rare case of hemoptysis** Niranjan Babu Ananda Setty (Bangalore (Karnataka), India)	**3024**
12:10	**The plug thickens - a case of obstructive, bronchial mucus plugs** Frederikke Falkencrone Rönsholt (Kgs. Lyngby, Denmark)	**3025**
12:20	**A case of peripheral eosinophilia** Arvind Tomar (Meerut, India)	**3026**
12:30	**Drug user related pneumopathy: a case report** Fábio Kunita (Rio de Janeiro, Brazil)	**3027**
12:40	**Discussion and Q&A**	**3028**

Skills lab Session 354 12:10 - 12:50

Skills lab: Spirometry and oscillometry

Updates in basic and advanced lung function techniques

Disease(s) : Airway diseases

Method(s) : Pulmonary function testing

Tag(s) : Clinical

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

Chairs : Omar S. Usmani (London, United Kingdom)

12:10	**Introduction** Omar S. Usmani (London, United Kingdom)	**3029**
12:12	**Spirometry** Andrew Kouri (Toronto (ON), Canada), Laura Graciela Gochicoa Rangel (Ciudad de México, Mexico)	**3030**
12:27	**Oscillometry** Ronald Dandurand (Beaconsfield (QC), Canada), Chung-Wai Chow (Toronto (ON), Canada)	**3031**
12:42	**Discussion and Q/A** Omar S. Usmani (London, United Kingdom), Ronald Dandurand (Beaconsfield (QC), Canada), Andrew Kouri (Toronto (ON), Canada), Chung-Wai Chow (Toronto (ON), Canada), Laura Graciela Gochicoa Rangel (Ciudad de México, Mexico)	**3032**

Studio Amsterdam Session 355 12:45 - 13:00

Breakout room: Breakout room: State of the art session, Thoracic oncology

Chairs : Annemiek Snoeckx (Edegem (Antwerp), Belgium), Armin Frille (Leipzig, Germany), Isabelle Opitz (Zurich, Switzerland), Kevin Blyth (Glasgow (Glasgow), United Kingdom), Charles Wong (Hong Kong, Hong Kong)

Studio Barcelona Session 356 12:45 - 13:00

Breakout room: Breakout room: Hot topics, How science conquered COVID-19: from big platform trials to patients

Chairs : Charlotte Summers (Cambridge (Cambridgeshire), United Kingdom), Gavin D Perkins (Birmingham (West Midlands), United Kingdom), Luke Daines (Edinburgh (Edinburgh), United Kingdom), Lennie P. G. Derde (Utrecht, Netherlands), Sumedha Narula (New Delhi, India)

Studio London Session 357 12:45 - 13:00

Breakout room: Breakout room: Symposium, Maintenance of the beneficial effects of pulmonary rehabilitation: the role of digital health

Chairs : Jean-Michel Fourrier (Lagny sur Marne, France), Lowie G.W. Vanfleteren (Gothenburg, Sweden), Carolyn Rochester (New Haven, United States of America), Heleen Demeyer (Leuven, Belgium), Brian Caulfield (Dublin, Ireland), Ema Swingwood (Monmouthshire, United Kingdom)

Studio Munich Session 358 12:45 - 13:00

Breakout room: Breakout room: Symposium, Pulmonary embolism: special situations

Chairs : Behnood Bikdeli (New York, United States of America), Manuel Monreal (Badalona, Spain), Fionnaula Ní Áinle (Dublin, Ireland), Marc Rodger (Montreal, Canada), Mitja Jevnikar (Paris, France)

Studio Paris Session 359 12:45 - 13:00

Breakout room: Breakout room: Symposium, Precision medicine in respiratory infections

Chairs : James D. Chalmers (Dundee (Angus), United Kingdom), Sanjay Haresh Chotirmall (Singapore, Singapore), Holly Rachael Keir (Dundee (Angus), United Kingdom), Nicolas Roche (Paris, France), Flávia Fonseca Fernandes (Brasília, Brazil), Marta Almagro (Barcelona, Spain)

Skills lab Session 360 13:00 - 15:00

Skills lab: Pulmonary rehabilitation

Interpretation of functional assessments to set up an individualised exercise training intervention

Aims : To learn how to use results of functional assessments; to set up an individualised exercise training intervention for a participant in a pulmonary rehabilitation programme.

Disease(s) : Airway diseases | Pulmonary vascular diseases | Respiratory infections | Respiratory critical care | Sleep and breathing disorders

Method(s) : Pulmonary rehabilitation Pulmonary function testing

Tag(s) : Clinical, COVID

Target audience : Adult pulmonologist/Clinician, Physician in Pulmonary Training, Physiologist, Patient, Respiratory physiotherapist, Respiratory therapist, Nurse

Chairs : Daniel Langer (Leuven, Belgium), Thierry Troosters (Leuven, Belgium)

13:00	**Case study - Interpretation of functional assessments to set up an individualised exercise training intervention** Thierry Troosters (Leuven, Belgium), Daniel Langer (Leuven, Belgium)	**3033**

13:00-14:30
INDUSTRY VIRTUAL SYMPOSIUM SEE PAGE 1

Pre-congress content Session 367 13:15 - 14:15

E-poster: Biomarkers and risk factors in childhood asthma

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

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

Chairs : Angela Zacharasiewicz (Wien, Austria), Franca Rusconi (Firenze (FI), Italy)

PA3068	**Predicting childhood allergy using machine learning methods on multi-omics data** Cancan Qi (Groningen, Netherlands), Merlijn van Breugel, Yale Jiang, Casper-Emil Tingskov Pedersen, Ilya Pethoukhov, Judith Vonk, Ulrike Gehring, Marijn Berg, Marnix Bügel, Orestes Capraij, Erick Forno, Andréanne Morin, Anders Ulrik Eliasen, Zhongli Xu, Maarten Van Den Berge, Martijn Nawijn, Yang Li, Wei Chen, Louis Bont, Klaus Bønnelykke, Juan Celedón, Gerard Koppelman, Cheng-Jian Xu	

PA3069	**Higher exhaled nitric oxide levels in infancy is associated with less bronchiolitis and fewer adverse respiratory outcomes in the first year of life** Carla Rebeca Da Silva Sena (Newcastle, Australia), Ediane De Queiroz Andrade, Patricia De Gouveia Belinelo, Elizabeth Percival, Ben Prangemeier, Chris O'Donoghue, Sandrine Terry, Tanya Burke, William Gunning, Vanessa E Murphy, Paul D Robinson, Peter D Sly, Peter G Gibson, Adam Collison, Joerg Mattes
PA3070	**Investigation of gene expression in relation to omalizumab treatment and peanut oral immunotherapy** Simon Kebede Merid (Stockholm, Sweden), Sophia Björkander, David Brodin, Josef Brandström, Fredrik Fagerström-Billai, Marieke Van Der Heiden , Jon Konradsen, Michael Kabesch, Cornelis Van Drunen, Golebski Kornel, Anke H Maitland-Van Der Zee, Uroš Potočnik, Susanne J H Vijverberg, Anna Nopp, Caroline Nilsson, Erik Melén
PA3071	**Peripheral blood TSLP (thymic stromal lymphopoietin) in children as a biomarker?** Renata Vrsalovic (Zagreb, Croatia), Peter Korosec, Urska Bidovec Stojkovic, Iva Mihatov Stefanovic, Biserka Cicak, Ivan Samija, Sabina Skrgat
PA3072	**The change in exhaled nitric oxide in adolescents – a longitudinal cohort study** Ran Wang (Manchester (Greater Manchester), United Kingdom), Ran Wang, Clare Murray, Lesley Lowe, Adnan Custovic, Stephen Fowler, Angela Simpson
PA3073	**Asthma in combination with rhinitis and eczema is associated with higher levels of type-2 inflammation and symptom burden** Viiu Blöndal (Uppsala, Sweden), Christer Janson, Fredrik Sundbom, Magnus Borres, Jenny Hallgren Martinsson, Nikolaos Tsolakis, Kjell Alving, Andrei Malinovschi
PA3074	**Relationship between longitudinal changes in type-2 inflammation and clinical outcomes in young asthmatics** Nikolaos Tsolakis (Uppsala, Sweden), Tiago Jacinto, Andrei Malinovschi, Magnus Borres, Christer Janson, Kjell Alving
PA3075	**Asthma and atopy in overweight children** Valentina Cvejoska-Colakovska (Skopje, North Macedonia), Emilija Vlashki
PA3076	**Soluble receptor for advanced glycation end products (sRAGE) in asthmatic children as a new marker of the disease control** Sergey Tereshchenko (Krashoyarsk, Russian Federation), Marina Smolnikova, Vasily Belenjuk, Ivan Novitsky
PA3077	**Characteristics of children with asthma and blood eosinophilia: an observational study** Rashmi Ranjan Das (Bhubaneswar (Odisha), India), Samarendra Mahapatro, Joseph John, Manoj Panigrahi
PA3078	**Association of the plasma levels and gene polymorphism IL12B, IL13 with severe asthma in Siberian children** Sergey Tereshchenko (Krashoyarsk, Russian Federation), Marina Smolnikova, Svetlana Smirnova, Nina Gorbacheva, Olga Konopleva, Vasiliy Belenjuk
PA3079	**External oxidants and asthma in childhood** Emilija Vlashki (Skopje, North Macedonia), Valentina Cvejoska Cholakovska, Mica Kimovska, Tara Ristevska, Joshua Lawson
PA3080	**Childhood asthma and its association with selected obstetric and neonatal factors among children aged 3-10 years: evidence from a South Asian population.** Aneeka Deen (Colombo, Sri Lanka), Jayanee Jayakaduwa, Kinkini Kottahachchi, Osanda Dissanayake, Sidath Perera , Surangi Jayakody, Chandimani Undugodage
PA3081	**Plasma level of Mannose-binding lectin-associated serine protease (MASP-2) concentration in children with asthma.** Sergey Tereshchenko (Krashoyarsk, Russian Federation), Marina Smolnikova, Margarita Shubina, Nina Gorbacheva
PA3082	**Aeroallergen sensitivity among children with asthma and its association with asthma control in Sri Lanka** Hasitha Gajaweera (matara, Sri Lanka), Chandima Jeevandara, Neelika Malavige, Chaturika Bandara, Kumudu Weerasekara
PA3083	**Persistently increased respiratory effort during sleep(RE) in children with obstructive sleep apnea(OSA) is indicative of allergyA)/asthma,obesity risk and inadequate treatment** Kalomoira Kefala (Colombes, France), Francois Lavaud, Agnes Linglart, Philippe Guerin

Pre-congress content Session 368 13:15 - 14:15

E-poster: Advances in diagnosis, treatment and clinical management of nontuberculous mycobacterial disease

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases

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

Chairs : Chair to be confirmed

PA3084 **Morphological features of non-tuberculous mycobacteriosis in patients operated on for lung tuberculosis**
Vilayat Aliev (Moscow, Russian Federation), Larisa Lepeha, Larisa Chernousova, Elena Krasnikova, Natalia Makaryants, Mamed Bagirov

PA3085 **Adverse reactions in the treatment of patients with non-tuberculous pulmonary mycobacteriosis.**
Elena Vladimirova (Москва, Russian Federation), Elena Vladimirova, Shmelev Evgeny, Zaitseva Anna, Degtyareva Svetlana

PA3086 **Interferon gamma (IFN?) pathway deficiency and severe NTM disease**
Shashank Sharma (Woking Surrey, United Kingdom), Fawzi Ali, Saikia Sujoy, Karaj Jola

PA3087 **Bedaquiline in the treatment of multi-drug resistant non-tuberculous mycobacteria soft tissue infections: a case series**
Francesca Wright (Torquay, United Kingdom), Louise Anning, Bianca Hulance

PA3088 **Immune profiling to differentiate progressive from non-progressive non-tuberculous mycobacteria lung disease: A pilot study**
Paige Marty (Rochester, United States of America), Patricio Escalante, Virginia Van Keulen, Courtney Erskine, Maleeha Shah, Kelly Pennington, Tobias Peikert

PA3089 **T cells subtypes in pleural effusion of tuberculous and non-tuberculous patients**
Neda Dalil Roofchayee (Tehran, Islamic Republic of Iran), Majid Marjani, Neda K.Dezfuli, Esmaeil Mortaz

PA3090 **Posttreatment Lymphopenia Is Associated With an Increased Risk of Redeveloping Nontuberculous Mycobacterial Lung Disease in Patients With Mycobacterium avium Complex Lung Disease**
Koji Furuuchi (Kiyose, Tokyo, Japan), Keiji Fujiwara, Fumiko Uesugi, Masafumi Shimoda, Yoshiaki Tanaka, Takashi Yoshiyama, Kozo Yoshimori, Atsuyuki Kurashima, Ken Ohta, Kozo Morimoto

PA3091 **Sputum proteomics of CF, BE and COPD with or without NTM infections**
Rebecca Hull (Sheffield, United Kingdom), Jeffrey T-J Huang, Alison Dicker, Holly R Keir, Huw Ellis, Bill Cookson, Miriam Moffatt, Michael R Loebinger, James D Chalmers

PA3092 **The non-tuberculous pulmonary disease experience in a general respiratory clinic in the UK**
Yadee Maung Maung Myint (Watford, United Kingdom), Yadee Maung Maung Myint, Sachin Ananth, Cassandra Stavropolous, Jacob Anitha, Madhuri Vidwans, Pancha Nandasiri, Ajitha Jayaratnam

PA3093 **PREVALENCE OF NON TUBERCULOUS MYCOBACTERIA (NTM) IN HIGH RISK COPD PATIENTS**
Beatriz Gonzalez Quero (bilbao, Spain), Eva Tabernero Huguet, Patricia Sobradillo Ecenarro, Elena Garay Llorente, Joseba Andia Iturrate, Larraitz Garcia Echebarria, Milagros Iriberri Pascual

PA3094 **Nontuberculous mycobacteria in respiratory tract samples: what does-it mean?**
Samia Essebaa (Ariana, Tunisia), Hafaoua Daghfous, Amani Ben Mansour, Soumaya Ben Saad, Soraya Fenniche, Nawel Chaouch, Leila Gharbi, Agnès Hamzaoui, Habib Ghedira, Lamine Megdiche, Leila Slim, Fatma Tritar

PA3095 **Nontuberculous pulmonary mycobacteriosis caused by slowly growing nontuberculous mycobacteria as pulmonary comorbidity**
Anna Sargsyan (Schelkovo, Russian Federation), Natalya Makaryants, Larisa Lepekha, Anna Zaitseva

PA3096 **Late Breaking Abstract - The use of Xpert Ultra in the diagnosis of tuberculosis in childhood and adolescence**
Ana Alice Amaral Ibiapina Parente (Rio De Janeiro (RJ), Brazil), Rafaela Baroni Aurílio, Clemax Couto Sant'Anna, Maria De Fátima Bazhuni Pombo Sant'Anna, Afrânio Lineu Kriski, Thiago Da Silva Santos Malaquias, Sidnei Ferreira, Claudia Stella Pereira, Lenita De Melo Lima, Michely Alexandrino De Souza Pinheiro, Belize Marques Barreto

Pre-congress content Session 369 13:15 - 14:15

E-poster: Accurate diagnosis and prediction of malignant pleural disease

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Thoracic oncology Respiratory critical care

Method(s) : General respiratory patient care Endoscopy and interventional pulmonology Epidemiology Physiology Cell and molecular biology Imaging

Chairs : Jose Porcel (Lleida, Spain), Duneesha De Fonseka (Sheffield, United Kingdom)

PA3097 **Subclinical myasthenia gravis in thymomas**
Florit Marcuse (Maastricht, Netherlands), Monique Hochstenbag, Janneke G.J. Hoeijmakers, Myrurgia Abdul Hamid, Jan Damoiseaux, Jos Maessen, Marc De Baets

PA3098 **How successful are medical thoracoscopists at predicting non-expandable lung?**
Syed Ajmal (Nottingham (Nottinghamshire), United Kingdom), Sarah Johnstone, Muhammad Tufail, Rakesh Panchal

PA3099 **Are people with mesothelioma well represented in the English cancer patient experience survey?**
Yvonne Nartey (Nottingham, United Kingdom), Iain Stewart, Aamir Khakwani, Vanessa Beattie, Andrew Wilcock, Ian Woolhouse, Paul Beckett, Richard Hubbard, Laila Tata

PA3100 **Impact of sarcopenia in long-term symptoms in patients with malignant pleural effusion.**
Janet Rodriguez Torres (Granada, Spain), Laura López-López, María Granados-Santiago, Esther Prados-Roman, Alejandro Heredia-Ciuró, Marie Carmen Valenza

PA3101 **Variation in outcomes for M1a Stage Lung cacers- Outcome in Malingnat Pleural Effusion significantly worse than patients with Contralateral Lung Nodules**
Sayed Alderazi (Birmingham (West Midlands), United Kingdom), Anne Karanuatilleke, Benjamin Sutton

PA3102 **Modified Glasgow Prognostic Score – a predictor of survival in malignant pleural effusion**
Beatriz Martins (São Mamede De Infesta, Portugal), Mariana Serino, Pedro Magalhães Ferreira, Rita Trovisco, David Coelho, Cláudia Freitas, Natália Melo, Gabriela Fernandes, Adriana Magalhães, Hélder Novais-Bastos

PA3103 **Primary cilium regulates cell migration and mechanical contraction in mesothelioma cell models.**
Sotirios Zarogiannis (Larisa, Greece), Ourania Kotsiou, Rajesh Jagirdar, Erasmia Rouka, Eleanna Pitaraki, Konstantinos Gourgoulianis

PA3104 **Evaluating the presence of SARS-CoV-2 RNA in the pleural fluid of patients undergoing pleural procedures without symptoms of COVID-19**
Nikolaos I. Kanellakis (Oxford, United Kingdom), Eihab Bedawi, Nikolaos Kanellakis, Megan Fisher, Yu Zhao, Vineeth George, Anand Sundaralingam, Xuan Yao, Aurelia Gondrand, Mohamed Ellayeh, Rob Hallifax, Jeffrey Thiboutot, Christina Macrosty, Hans Lee, Jason Akulian, Lonny Yarmus, David Feller-Kopman, Tao Dong, John Wrightson, Najib Rahman

PA3105 **The atypical cells in the pleural effusion smears stained with May Grunwald Giemsa - is it a new possible tool not to overlook malignancy?**
Elżbieta Magdalena Grabczak (Warszawa, Poland), Piotr Korczyński, Agnieszka Wiśniewska, Michał Mierzejewski, Malwina Sołtysiak, Łukasz Koperski, Rafał Krenke

Pre-congress content Session 370 13:15 - 14:15

E-poster: Clinical features and new biomarkers of asthma, COPD and chronic cough

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases

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

Chairs : Stephanie Korn (Mainz, Germany), Marek Lommatzsch (Rostock, Germany)

PA3106 **The role of cathepsin S in the development of inflammation in patients with severe bronchial asthma**
Irina Demko (Krasnoyarsk (Krasnoyarsk Krai), Russian Federation), Angelina Kraposhina, Elena Sobko, Natalia Gordeeva, Irina Soloveva, Marina Mamaeva

PA3107 **Patient characteristics and treatment of chronic rhinosinusitis with nasal polyps (CRSwNP) in Canada**
Alison Deighton (North Vancouver, Canada), Shelagh Szabo, Alain Gendron, Roxana Dragan, Gilles Detillieux, Heather Prior, Stephen Noorduyn

PA3108 **Asthma diagnosis and severity assessment, can microRNAs help? A pilot study**
Aref Kyyaly (Southampton, United Kingdom), Tilman Sanchez-Elsner, Ramesh Kurukulaaratchy, Syed Hasan Arshad

PA3109 **Anti-IL5 therapy could prevent lung function decline in severe eosinophilic asthma: data from the belgian severe asthma registry**
Sophie Graff (Liège, Belgium), Guy Brusselle, Shane Hanon, Carine Sohy, Lieven Dupont, Rudi Peche, Alain Michils, Charles Pilette, Guy Joos, Renaud Louis, Florence Schleich

PA3110 **Intermediate-onset asthma: similarities and differences with early and late-onset**
Martina Turrin (CORDENONS, Italy), Michele Rizzo, Silvia Tonin, Kim Lokar Oliani, Matteo Bonato, Manuel Cosio, Marina Saetta, Simonetta Baraldo

PA3111	**Raised FeNO in optimally-treated severe asthma identifies persistent eosinophilic chemotactic pull towards the airway** Simon Couillard (Sherbrooke, Canada), Rahul Shrimanker, Gareth Hynes, Catherine Borg, Clare Connolly, Anna Hayman, Samantha Thulborn, Angela Moran, Sarah Poole, Timothy Powell, Rekha Chaudhuri, Adel H Mansur, Lorcan P Mcgarvey, Liam G Heaney, Stephen Fowler, Peter Bradding, Ian D Pavord, Timonthy S C Hinks
PA3112	**Markers of pulmonary injury and inflammation are elevated in the serum of patients with chronic cough** Jaclyn Smith (Manchester (Greater Manchester), United Kingdom), David Lamb, Rachel Dockry, Anita Schoenleber, Ewald Benediktus
PA3113	**Transcriptomic profiles of eosinophilic asthmatic patients classified according to their atopic status** Sara Gerday (Liège, Belgium), Florence Schleich, Françoise Guissard, Monique Henket, Virginie Paulus, Renaud Louis
PA3114	**Aero-allergen sensitization in a general population: data from the LEAD population cohort study** Franziska Kölli (Wien, Austria), Marie-Kathrin Breyer, Sylvia Hartl , Gabriele Kohlböck, Otto Burghuber , Wolfgang Pohl , Torben Sigsgaard, Emiel Wouters, Robab Breyer-Kohansal
PA3115	**Immunoglobulin G and subclasses in COPD exacerbator phenotype: levels in exacerbation time and clinical stability** Jordi Juanola Pla (Mataro, Spain), Ramon Boixeda Viu, Isabel Moreno Hernandez, M. Carmen De La Torre Terron, Maria Bartolomé Regué, Anna Serrano Fores, Ainhoa Montero Rodriguez, Elisabet Palomera Fanegas, Mateu Serra Prat, Jordi Almirall Pujol
PA3116	**Impact of blood eosinophil variability in asthma: a real-life population study.** Núria Toledo Pons (Palma De Mallorca, Spain), Job F.M. Van Boven, Josep Muncunill, Aina Millán Pons, Miguel Román-Rodríguez, Bernardo López-Andrade, Carlos Almonacid, Diurbis Velasco Álvarez, Janwillem W.H. Kocks, Borja G. Cosío
PA3117	**Inflammatory phenotypes of severe exacerbation of COPD, a clinico-laboratory characterization.** Karthikeyan Ramaraju (Coimbatore (Tamil Nadu), India), Karthikeyan Ramaraju, Ramalingam Sankaran, Anupama Murthy Kaza, Thiyagarajan Sairam
PA3118	**Higher expression of lipoxygenase and cyclooxygenase pathways in bronchial than alveolar lavage from allergic asthmatics** Nicole van der Burg (Lund, Sweden), Henning Stenberg, Zuzanna Diamant, Leif Bjermer, Ellen Tufvesson
PA3119	**Adult women with asthma and diabetes have increased body weight and fat percentage compared to women with only diabetes.** Apostolos Bossios (Stockholm, Sweden), Daniel P. Andersson, Daniel Eriksson-Hogling, Mikael Rydén
PA3120	**Sensitization to aeroallergens is dominant in overweight to obese asthmatic males but not in females.** Bright Nwaru (Gothenbburg, Sweden), Hannu Kankaanranta, Madeleine Rådinger, Jan Lötvall, Bo Lundbäck, Linda Ekerljung, Apostolos Bossios
PA3121	**Plasma adiponectin and risk of asthma: observational and Mendelian randomization studies in up to 557,801 individuals** Maria Nielsen (Herlev, Denmark), Børge Nordestgaard, Marianne Benn, Yunus Çolak
PA3122	**Clinical variables and protein biomarkers associated with blood eosinophil count and asthma in young adults** Maura Kere (Stockholm, Sweden), Sophia Björkander, Susanna Klevebro, Maria Ödling, Sandra Ekström, Ida Mogensen, Marianne Van Hage, Anna Bergström, Inger Kull, Erik Melén
PA3123	**Eosinophil-derived neurotoxin levels in serum are associated with asthma-like symptoms** Robert Movérare (Uppsala, Sweden), Magnus Molin, Andrei Malinovschi, Eleftheria Pertsinidou, Anders Sjölander, Christer Janson
PA3124	**Sex Differences in Severe Asthma** Adnan Azim (Bournemouth (Dorset), United Kingdom), Clair Barber, Laurie Lau, Matthew Harvey, Paddy Dennison, Thomas Brown, Thomas Jones, Scott Elliot, Anoop Chauhan, Ramesh Kurukulaaratchy , Peter Howarth
PA3125	**Sputum Interleukin 5 in eosinophilic and non-eosinophilic severe asthma** Adnan Azim (Bournemouth (Dorset), United Kingdom), Clair Barber, Kerry Gove, Thomas Brown, Thomas Jones, Scott Elliot, Anoop Chauhan, Peter Howarth

Pre-congress content Session 371 13:15 - 14:15

E-poster: Clinical problems associated with cough, pleura and respiratory health status

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

Method(s) : General respiratory patient care | Endoscopy and interventional pulmonology | Respiratory intensive care | Public health | Physiology | Palliative care | Imaging | Surgery | Epidemiology

Chairs : Katharina Buschulte (Heidelberg , Germany), Peter Kardos (Frankfurt am Main, Germany)

PA3126	**Analysis of the microbial profile and antimicrobial resistant pattern of empyema thoracis** Chimaobi Nwagboso (Calabar, Nigeria), Bassey Ekeng, Ernest Ochang, John Eze, Chidiebere Echieh, Stephen Ogbudu, Anietimfon Etiuma, Okon Bassey
PA3127	**Role of C-reactive protein in discriminating complicated and uncomplicated parapneumonic effusion from malignant and tuberculous pleural effusion** Yana Kogan (HAIFA, Israel), Edmond Sabo, Majed Odeh
PA3128	**Initial management of well tolerated but voluminous primary pneumothorax: intercostal chest tube versus needle aspiration** Nidhal Belloumi (la manouba, Tunisia), Imene Bachouch, Hana Mrassi, Nourelhouda Khezami, Imene Nouira, Cheima Habbouria, Fatma Chermiti Ben Abdallah, Soraya Fenniche
PA3129	**Capnography monitoring of physician-led procedural sedation procedures during respiratory medicine service** Jurgen Herre (Cambridge (Cambridgeshire), United Kingdom), Gareth Corbett, Peter Pugh, Teik Choon See, David De Monteverde-Robb, Rafael Torrejon Torres, Rhodri Saunders, Catherine Leonard, Amit Prakash
PA3130	**The effects of acute sore throat and cough on health-related quality of life (HRQOL) in the 2020 US general population** Graca Coutinho (Slough, United Kingdom), John E. Ware, Jr., , Graça Coutinho, Adam B. Smith, Evi Tselenti, Anuradha Kulasekaran
PA3131	**A much shorter core outcome set (COS) for measuring the health-related quality of life (HRQOL) effects of common acute respiratory symptoms** Adam Smith (Hull, United Kingdom), John E. Ware Jr.,, Graça Coutinho, Evi Tselenti, Anuradha Kulasekaran
PA3132	**Dyspnea-induced Limitation (DYSLIM), a self-administered questionnaire to evaluate dyspnea-related activity limitation in respiratory disease>** Thierry Perez (Lille Cedex, France), Nicolas Roche, Pierre Régis Burgel, Pascale Surpas, Ari Chaouat, Hilario Nunes, Frédéric Herengt, Jean Marie Grosbois, Gilles Garcia, Joel Coste
PA3133	**Prognostic factors for survival in patients with long-term oxygen therapy** Saša Rink (Ljubljana, Slovenia), Maja Badovinac, Anze Zgank, Frosina Markoska, Matevz Harlander
PA3134	**Impact of a diagnostic framework for chronic cough** Allan Klitgaard Sørensen (Vejle, Denmark), Anders Løkke, Jannie Frølund, Ole Hilberg
PA3135	**Morphine use in the treatment of dyspnea in terminally ill patients.** Licia Zanol Lorencini Stanzani (Lisbon, Portugal), Mariana Marques, Matheus Martins, Wilton Vieira, Fabio Amorim, Ricardo Carvalho
PA3136	**Morphine and oxygen use in terminally ill patients with dyspnea in Brazil.** Licia Zanol Lorencini Stanzani (Lisbon, Portugal), Mariana Marques, Matheus Martins, Wilton Vieira, Fabio Amorim, Ricardo Carvalho
PA3137	**IPC use in non-malignant effusions** Avinash Aujayeb (newcastle, Mauritius), Richard Davidson
PA3138	**Characterization of Medication Errors in a Medical Intensive Care Unit of a University Teaching Hospital in South Korea** SUNG WOOK KANG (Seoul, Republic of Korea), Ji Seob Yug, Eun Kyoung Chung, Cheon Woong Choi
PA3139	**Autologous Blood Patch Pleurodesis for Persistent Air Leak: A Case Series.** Jeat Thong` Tang (PENAMPANG, Malaysia), Shan Min Lo, Muhammad Khairul Taufiq Rosli, Hema Yamini Ramarmuty, Kunji Kannan Sivaraman Kannan
PA3140	**The best cut-off value in predicting intensive care in the rapid response system: The preliminary study** Chang Youl Lee (Chuncheon, Republic of Korea), Youlim Kim
PA3141	**The role of CTPA in investigating a patient with a pleural effusion of unknown etiology** Vassilis Vlahakos (ATHENS, Greece), Theodoros Karampitsakos, Ourania Kotsiou, Likurgos Kolilekas, Evangelos Markozannes, Ilias Papanikolaou, Nikolaos Koulouris, Katerina Dimakou, Konstantinos Gourgoulianis, Mina Gaga, Spyros Zakynthinos, Ioannis Kalomenidis

PA3142 **Refractory chylothorax: Midodrine as a novel therapeutic option**
Khalil Ur Rehman (London, United Kingdom), Liju Ahmed, Parthipan Sivakumar

PA3143 **Ecothorax for differential diagnosis in elderly patients hospitalized in a healthcare residence during the new coronavirus 2019 pandemic**
Simonetta Vernocchi (Gallarate, Italy), Teresa Serini, Andreas Aceranti, Annalisa Salsa

PA3144 **Defining health states with visual analogue scale and Leicester Cough Questionnaire in chronic cough**
Peter Cho (, United Kingdom), Katherine Rhatigan, Hannah V Fletcher, Caroline J Jolley, Richard D Turner, Surinder S Birring, Surinder S Birring

PA3145 **Clinically meaningful thresholds for change in cough severity visual analogue scale in chronic cough**
Peter Cho (, United Kingdom), Katherine Rhatigan, Meril Oras, Hannah V Fletcher, Caroline J Jolley, Richard D Turner, Surinder S Birring, Surinder S Birring

Pre-congress content Session 372 13:15 - 14:15

E-poster: Paediatric respiratory infections: chronic infection, vaccination and lung function

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

Chairs : Paul McNamara (Liverpool (Merseyside), United Kingdom), Mieke Boon (Wilsele, Belgium)

PA3146 **Influenza vaccination in children with high-risk chronic diseases**
Elpis Hatziagorou (Thessaloniki, Greece), Evangelia Argyropoulou, Alexandra Soldatou, John Tsanakas

PA3147 **Parents' attitude towards seasonal vaccination of children against an influenza virus**
Roman Bontsevich (Belgorod, Russian Federation), Alina Mikhno, Zhanna Zhdanova, Darya Kutsenko, Ann Adonina

PA3148 **Characterisation of severity in paediatric chronic suppurative lung disease**
Virginia Alessandrini (Cambridge, United Kingdom), Stefan A. Unger

PA3149 **Fate or missed opportunities - challenges in diagnosing paediatric drug resistant tuberculosis in Germany**
Hannah Schäfer (Herten, Germany), Michael Barker, Peter Follmann, Annette Günther, Petra Kaiser-Labusch, Sebastian Kerzen, Christian Schmidt, Katharina Schütz, Florian Stehling, Nina Timmesfeld, Paul Vöhringer, Folke Brinkmann

PA3150 **Impaired response to 13-valent pneumococcal conjugate vaccine (PCV13) in children with recurrent respiratory infections and chronic cough.**
Moataz Elashmawy (Cambridge (Cambridgeshire), United Kingdom), James Baker, Theofilos Polychronakis

PA3151 **Structured Light Plethysmography (SLP) in COVID-19 children with acute respiratory symptoms**
Michele Ghezzi (Bergamo, Italy), Francesca Riccaboni, Emma Longoni, Martina Pascuzzi, Marco Ugo Sartorio, Andrea Farolfi, Michele Piazza, Laura Tenero, Giorgio Piacentini, Enza D'Auria, Gian Vincenzo Zuccotti

PA3152 **Mechanistic model based meta-analysis for paediatric respiratory tract infection prophylaxis trial design**
Alexander KULESZA (Lyon, France), Simon Arsène , Aude Chevalier, Claire Couty, Igor Faddeenkov, Natacha Go, Solene Granjeon-Noriot, Lorenz Lehr, Christian Pasquali

PA3153 **Reopening of schools and pediatric ER admissions during SARS-CoV-2 pandemic in Italy**
Luigi Matera (Rome, Italy), Raffaella Nenna, Antonella Frassanito, Laura Petrarca, Enrica Mancino, Greta Di Mattia, Domenico Paolo La Regina, Valentina Rizzo, Hana Zeric, Fabio Midulla

PA3154 **Case Series of COVID-19 Disease in Pediatric Chronic Lung Diseases**
Ismail Güzelkaş (Ankara, Turkey), Nagehan Emiralioğlu, Dilber Ademhan Tural, Beste Özsezen, Birce Sunman, Halime Nayır Büyükşahin, Ebru Yalçın, Deniz Doğru, Uğur Özçelik, Nural Kiper

PA3155 **Is Xpert MTB/Rif Ultra superior to Xpert MTB/Rif for the diagnosis of tuberculosis in children in Uzbekistan**
Sanjar Sultanov (Tashkent, Uzbekistan), Nargiza Parpieva, Kozim Mukhamedov, Laziz Turaev, Rafis Rakhmatulin, Jamshid Gadoev

PA3156 **Immunological parameters in Down syndrome children with and without recurrent lower respiratory tract infections**
Mariska De Lausnay (Melle, Belgium), Tine Boiy, Stijn Verhulst, Kim Van Hoorenbeeck

PA3157 **Nasopharyngeal carriage of Streptococcus pneumoniae serotypes among children in The Republic of Khakassia, Russia.**
Natalie Alyabieva (Moscow, Russian Federation), Olga Ponomarenko, Tatiana Komyagina, Anna Lazareva

PA3158 **Nasal Nitric Oxide Sampling In 0-5-year-old Patients With Cystic Fibrosis, Primary Ciliary Dyskinesia and Healthy Controls**
Maja Valentin Kragh (Copenhagen, Denmark), Mathias G. Holgersen, June K. Marthin, Kim G. Nielsen

Pre-congress content Session 373 13:15 - 14:15

E-poster: Assessing the impact of COVID-19 on lung function

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Respiratory critical care

Method(s) : Respiratory intensive care Pulmonary function testing Imaging General respiratory patient care Pulmonary rehabilitation Physiology Public health

Tag(s) : COVID

Chairs : Frederik Trinkmann (Heidelberg, Germany), Monika Franczuk (Warszawa, Poland)

PA3159 **Sequential cardiopulmonary exercise tests in patients post COVID-19**
Arik Bernard Schulze (Münster, Germany), Georg Evers, Irina Osiaevi, Matthias Boentert, Richard Vollenberg, Rainer Wiewrodt, Phil-Robin Tepasse, Ali Yilmaz, Michael Mohr

PA3160 **Pulmonary function 45 days after COVID-19 hospitalization: a multicentre cohort study in Belo Horizonte, Brazil.**
Eliane Viana Mancuzo (Belo Horizonte (MG), Brazil), Carolina Marinho, Jacqueline Das Graças Ferreira De Oliveira, Aline Priscila Batista, Alvaro Lucca Torres Brandão, Ana Sophia Mitre Leite, Jose Reinaldo Correia Roveda, Pedro Chaves Ferreira, George Luiz Lins Machado Coelho, Bruno Horta Andrade, Arnaldo Santos Leite, Valeria Maria Augusto

PA3161 **Determination of exercise capacity in long COVID patients**
Aurelien Bringard (Geneva, Switzerland), Ivan Guerreiro, Timothée Fontolliet, Romain Messe, Garance Kopp, Paola Soccal, Frédéric Lador

PA3162 **Evaluation of post-COVID functional capacity and oxygen desaturation using 6-minute walk test- An observational study**
Pranav Modi (Mumbai, India), Sandhya Kulkarni, Girija Nair, Rhea Kapur, Soham Chaudhary, Deepak Langade, Abhay Uppe

PA3163 **CPET evidence of dysfunctional breathing after SARS-CoV2 in patients with persistent dyspnea**
Isabelle Frésard (Sion, Switzerland), David Lawi, Petrut Vremaroiu, Andreea Vremaroiu-Coman, Grégoire Gex, Pierre-Olivier Bridevaux

PA3164 **Cardiopulmonary exercise testing to assess persistent symptoms at 6 months in people with COVID-19 who survived hospitalisation – A pilot study.**
Tristan Bonnevie (Saint Léger Du Bourg Denis, France), David Debeaumont, Fairuz Boujibar, Eglantine Ferrand-Devouge, Elise Artaud-Macari, Fabienne Tamion, Francis-Edouard Gravier, Pauline Smondack, Antoine Cuvelier, Jean-François Muir, Kevin Alexandre

PA3165 **Inspiratory and sensory responses to rapid bilateral stimulation of the phrenic nerves using three different shaped magnetic coils**
Kyle Boyle (Zurich, Switzerland), Philipp Eichenberger, Patrick Schön, Christina Spengler

PA3166 **Impact of facemasks during a submaximal exercise test in healthy adults.**
William Poncin (Bruxelles, Belgium), Charlie Vander Straeten, Adrien Schalkwijk, Gregory Reychler

PA3167 **Lung Function and Lung Mechanics in Post-COVID-19 Patients: What we can Learn?**
Sergio Ferreira (São José dos Campos - SP, Brazil), Sergio Ferreira, Wendel S Fernandes, Ricardo C Alves, Patricia B Fialho, Maysa A R Brandao-Rangel, Claudio R Frison, Rodolfo P Vieira

PA3168 **The impact of time of mechanical ventilation and hospitalization on functional capacity after discharge in patients with COVID-19 pneumonia**
Bruna Scharlack Vian (Campinas, Brazil), Lais Bacchin De Oliveira, Ana Lucia Cavallaro Baraúna Lima, Maitê Vasconcelos Luz, Paulo José De Souza Junior, Rodolfo Augusto Da Silva Arruda, Mariângela Ribeiro Resende, Lucieni De Oliveira Conterno, Paulo Roberto Mendes, Ligia Roceto Ratti, Mônica Corso Pereira

PA3169 **Early physiotherapy improves outcomes in Acute Respiratory Distress Syndrome in Covid-19pneumonia**
ludovica capitelli (san nicola la strada, Italy), Antonio Prisco, Dario Cuomo, Roberta Cianci, Miriam Buonincontro, Rosalba Donizzetti, Francesco Squillante, Vincenzo Bocchino

PA3170 **Use of near-infrared spectroscopy to monitor oxygen saturation during 6 minute walk test: a pilot study with patients discharged for COVID-19**
Ligia Roceto Ratti (Valinhos, Brazil), Lais Bacchin De Oliveira, Ana Lúcia Cavallaro B. Lima, Bruna Scharlack Vian, Monica Corso Pereira, Rodrigo M. Forti, Andrés Fabian Quiroga Soto, Rickson C Mesquita

PA3171 **Factors affecting carbon monoxide diffusion capacity in early convalescence phase of severe COVID19 patients**
Ivan Cekerevac (Kragujevac, Republic of Serbia), Ljiljana Novkovic, Romana Susa, Stefan Simovic

PA3172 **Mouse models ARDS of viral etiology (influenza): the possibility of dynamic intravital assessment of lung tissue using computed tomography**
Pavel Gavrilov (St. Petersburg, Russian Federation), Artyom Azarov, Lolita Pichkur, Tatyana Vinogradova, Evgenij Sokolovich, Petr Yablonskiy

PA3173 **Physiological and symptoms characteristics of survivors of COVID-19 associated pneumonia, with resting normoxia and exercise-induced desaturation.**
Michele Vitacca (Gussago (BS), Italy), Mara Paneroni, Giuseppe Brunetti, Annalisa Carlucci, Bruno Balbi , Antonio Spanevello, Nicolino Ambrosino

PA3174 **Persistent chronic dyspnoea following COVID-19 infection**
Neeraj Shah (New Malden (Surrey), United Kingdom), Rebecca D'Cruz, Eui-Sik Suh, Alex West, Amy Dewar, Katherine Myall, Jocelin Hall, Nicholas Hart, Patrick Murphy, Bhashkar Mukherjee, Georgios Kaltsakas

PA3175 **Impact of COVID-19 pneumonia on pulmonary function, radiographic imaging and quality of life in a cohort of survivors**
Marian Dimabuyu (Quezon City, Philippines), Claudette Mangahas, Rommel Reyes

PA3176 **Physiological cost of walking after COVID-19 pneumonia**
Salma Mokaddem Mohsen (Tunis, Tunisia), Asma Chaker, Sahar Chakroun, Saloua Ben Khamsa Jameleddine

Pre-congress content Session 374 13:15 - 14:15

E-poster: Occupational COVID-19 and respiratory infections

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

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

Tag(s) : COVID

Chairs : Sara De Matteis (Cagliari, Italy), Rafael E. de la Hoz (New York, United States of America)

PA3177 **Exacerbations of occupational chronic obstructive pulmonary disease due to industrial aerosols containing nanoparticles after recovering from COVID-19**
Lyubov Shpagina (Novosibirsk, Russian Federation), Marina Zenkova, Ilya Shpagin, Olga Kotova, Evgeniya Logashenko, Anatolij Saprykin, Alfiya Tsygankova, Natalya Kamneva, Ekaterina Anikina, Dmitrij Gerasimenko, Kristina Likhenko-Logvinenko

PA3178 **Staff mask contamination on a respiratory admissions unit with COVID-19 patients**
Ahmed Fouda (Middlesex, United Kingdom), Abdulrahman Abouzaid, Daniela Cristea-Nicoara, Gerrit Woltmann, Christopher W Holmes, Julian W Tang

PA3179 **Investigation of SARS-CoV-2 RNA on Particulate Matters: A multicentre study in Turkey**
Nur Konyalilar (İstanbul, Turkey), Ozgecan Kayalar, Akif Arı, Gizem Babaçcu, Özlem Doğan, Füsun Can, Ülkü Alver Şahin, Eftade Gaga, Levent Kuzu, Pelin Arı, Mustafa Odabaşı, Yücel Taşdemir, Sıddık Cindoruk, Fatma Esen, Egemen Sakın, Burak Çalışkan, Lokman Tecer, Merve Fıçıcı, Ahmet Altın, Burcu Onat, Coşkun Ayvaz, Burcu Uzun, Arslan Saral, Tuncay Döğeroğlu, Selma Malkoç, Özlem Üzmez, Fatma Kunt, Senar Aydın, Melik Kara, Barış Yaman, Güray Doğan, Bihter Olgun, Ebru Dokumacı, Gülen Güllü, Elif Uzunpınar, Hasan Bayram

PA3180 **Burnout among Healthcare Workers during COVID-19 Pandemic in Aceh, Indonesia**
Rinal Dianto (Banda Aceh, Indonesia), Ferry Dwi Kurniawan, Subhan Rio Pamungkas, Marty Mawarpury, Teuku Zulfikar

PA3181 **Occupational and environmental exposure to SARS-CoV-2 in and around infected mink farms**
Myrna M.T. de Rooij (Utrecht, Netherlands), Renate Hakze-Van Der Honing, Marcel M. Hulst, Frank Haders, Marc Engelsma, Wouter Van De Hoef, Kees Meliefste, Sigrid Nieuwenweg, Bas B. Oude Munnink, Isabella Van Schothorst, Reina S. Sikkema, Arco N. Van Der Spek, Marcel Spierenbrug, Jack Spithoven, Ruth Bouwstra, Robert-Jan Molenaar, Marion Koopmans, Arjan Stegeman, Wim H.M. Van Der Poel, Lidwien A.M. Smit

PA3182	**Potential environmental transmission routes of SARS-CoV-2 inside a large meat processing plant experiencing COVID-19 clusters** Myrna M.T. de Rooij (Utrecht, Netherlands), Reina S. Sikkema, Martijn Bouwknegt, Yvette De Geus, Kamelia Stanoeva, Sigrid J. Nieuwenweg, Ceder Raben, Wietske Dohmen, Dick J.J. Heederik, Chantal Reusken, Adam Meijer, Eelco Franz, Marion Koopmans, Lidwien A.M. Smit
PA3183	**Occupational exposure to mineral fibers and incidence of recurrent chest infections in insulators** Subhabrata Moitra (Edmonton, Canada), Ali Farshchi Tabrizi, Dina Fathy, Linda Henderson, Fadi Khadour, Muhammad T. Naseem, Mohamed Osman, Lyle Melenka, Paige Lacy
PA3184	**SARS-CoV-2 infection in healthcare workers in Northern Italy** Francesco Bini (Pavia (PV), Italy), Alessandro Maria Marra, Bruno Dino Bodini, Angelo De Lauretis, Maria Chiara Papetti, Stefano Carlo Zucchetti, Paola Faverio
PA3185	**The occurrence of respiratory infections in relation to the occupation in a working-age population** Jouni J.K. Jaakkola (Oulu, Finland), Taina K. Lajunen, Rachel Nadif, Maritta S. Jaakkola
PA3186	**Occupation and the occurrence of respiratory infections among adults with newly diagnosed asthma** Maritta S. Jaakkola (Oulu, Finland), Taina K. Lajunen, Rachel Nadif, Jouni J.K. Jaakkola
PA3187	**Cumulative incidence of SARS-CoV-2 infections in health workers in Germany** Albert Nienhaus (Hamburg, Germany), Jan Felix Kersten, Martin Platten, Rita Cranen, Claudia Peters, Hilmar Wisplinghoff, Alexander Daniel Bach, Guido Michels
PA3188	**Impact of particle exposure systems on acute effects in an in vitro alveolar model** Joshua Bateman (Dinas Powys, United Kingdom), Rachel Smith, Sarah Robertson, Alison Buckely, Matthew Wright, Shareen Doak, Martin Clift
PA3189	**Pulmonologists' sleep quality during COVID-19 pandemic: a nation-wide survey** Josué Pinto (Porto, Portugal), Joana Patrício, Susana Sousa, Marta Drummond
PA3190	**Perception of anxiety, depression and insomnia in Tunisian healthcare workers during COVID19 pandemic.** Islam Mejri Ep Ajili (Hammamlif Ben Arous, Tunisia), Islam Mejri Ep Ajili, Imen Yousfi, Selsabil Daboussi, Samira Mhamdi, Chiraz Aichaouia, Zied Moatemri, Mohsen Khadhraoui
PA3191	**Does being infected with COVID-19 have a psychological impact on healthcare workers?** Islam Mejri Ep Ajili (Hammamlif Ben Arous, Tunisia), Islam Mejri Ep Ajili, Asma Riahi, Samira Mhamdi, Selsabil Daboussi, Chiraz Aichaouia, Zied Moatemri, Mohsen Khadhraoui
PA3192	**Clinical course and exposure characteristics of Covid-19 confirmed healthcare personnel at the lung center of the philippines** Faye Bautista (Las Pinas, Philippines), Benilda Galvez, Clarizze Francesca Moje-Tapang
PA3193	**Late Breaking Abstract - Estimating the relationship between environmental exposures and acute exacerbations of COPD** Bryan Ross (Lachine, Canada), Dany Doiron, Pei Zhi Li, Andrea Benedetti, Jean Bourbeau
PA3194	**Late Breaking Abstract - Air and surface contamination with SARS-CoV-2 in rooms of infected nursing home residents: the Netherlands** K J Linde (Utrecht, Netherlands), P Meijer, J A J W Kluytmans, M F Q Kluytmans-Van Den Bergh, S D Pas, C Geurtsvankessel, M P G Koopmans, M Meier, C R Raben, J Spithoven, M H G Tersteeg-Zijderveld, D J J Heederik, I M Wouters, W Dohmen
PA3195	**Late Breaking Abstract - Differential toxicities of particulate matter components linked to air pollution and adverse health effects** Anna-Karin Larsson-Callerfelt (Lund, Sweden), Sofie Orell, Nilofar Faruqui, Jenny Rissler, Nora Marek, Daniel Kalbermatter, Lena Scholtz, Ute Resch-Genger, Linda Elowsson Rendin, Konstantina Vasilitou, Mike Shaw, Monica Kåredal

Pre-congress content Session 375 13:15 - 14:15

E-poster: COVID - 19, smoking and e-cigarettes

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases Thoracic oncology

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

Tag(s) : COVID

Chairs : Linnea Hedman (Luleå, Sweden), Özen K Basoglu (Izmir, Turkey)

PA3196	**Relationship between tobacco and COVID-19** Eva B. Cabrera Cesar (malaga, Spain), Esther Sanchez Alvarez, Alvaro Martinez Mesa, Javier Lopez Garcia, Nuria Reina Marfil, Jose Luis Velasco Garrido
PA3197	**Quit smoking search interest in Google Trends from Turkey, UK, France, Italy, and Germany: What happened during the COVID-19 pandemic?** Mehmet Uysal (İstanbul, Turkey), Elif Yelda Niksarlıoglu, Atilla Cifter, Aslı Çarkoğlu
PA3198	**Coping with anxiety during COVID-19 pandemics- correlations with tobacco dependence, social determinants, and COVID-19 history** Letitia Trofor (Iasi (Iasi), Romania), Oana-Elena Rohozneanu, Mona Dobrin, Ilinca Untu, Dania Radu, Antigona Trofor
PA3199	**Role of tobacco exposure in the course of COVID-19 disease and the impact of the disease on smoking behavior** Dilek Karadoğan (Rize, Turkey), Tahsin Gökhan Telatar, Mehmet Halit Baykal, Burcu Aykanat Yurtseven
PA3200	**Smoking of healthcare workers(HCWs) working in reference hospitals during the first wave of the COVID-19 pandemic** Nikolaos Athanasiou (Athens, Greece), Sofia Pappa, Dimitra Mpousiou, Stamatoula Tsikrika, Zafeiria Barmparessou, Athanasia Pataka, Sofia Gida, Stavros Patrinos, Ioanna Sigala, Emmanouil Manos, Ilias Migdalis, Vassilis Vlahakos, Andreas Andraktas, Eleonora Chalatova Savvidi, Alexandraalexandra Giannou, Ibraheem Aqeel, Angeliki Chasouraki, Eleni Aggelonidou, Paraskevi Katsaounou
PA3201	**Effect of COVID 19 restrictive measures on tobacco, cigarette or e-cigarette consumption** Garifallia eirini Perlepe (Larissa, Greece), Ioannis C Lampropoulos, Foteini Malli, Iias Dimeas, Dimitrios Raptis, Zoe Daniil, Konstantinos I Gourgoulianis
PA3202	**Relationship between filter ventilation and Tar, Nicotine and CO emissions of cigarettes** Efthimios Zervas (Patra, Greece), Emmanouil Konstantinidis, Niki Matsouki, Efi Drimili, Zoe Gareiou, Paraskevi Katsaounou
PA3203	**Detailled emissions of conventional, electronic and heated cigarettes** Efthimios Zervas (Patra, Greece), Niki Matsouki, Evangelia Bekou, Emmanouil Konstantinidis
PA3204	**Point of Sale Display of Plain Cigarette Packages : Finger prints of the industry** Elif Dagli (Istanbul, Turkey), Ummuhan Sonmez, Murat Guner, Tanzer Gezer, Pinar Ay, Osman Elbek, Fusun Yildiz, Murat Ceyhan
PA3205	**Can Plain Packaging be Effective without a Standard Design?** Elif Dagli (Istanbul, Turkey), Pinar Ay, Ummuhan Sonmez, Tanzer Gezer, Osman Elbek, Fusun Yidiz, Murat Guner, Murat Ceyhan
PA3206	**Acute health effects of short-term use of Heated Tobacco Products – preliminary results.** Paulina Majek (Katowice, Poland), Mateusz Jankowski, Bartłomiej Nowak, Aleksandra Gil, Maksymilian Macherski, Jan Eugeniusz Zejda, Grzegorz Marek Brożek
PA3207	**Smoking cessation activity in respiratory outpatient clinics** Andrew Read (London, United Kingdom), Kher Ng, Vanessa Alderman
PA3208	**Tobacco products exposure status of students** Dilek Karadoğan (Rize, Turkey), Yalçın Kanbay, Özgür Önal
PA3209	**An evaluation of the hospital smoking-cessation services in Portugal** Sofia Belo Ravara (Covilhã, Portugal), Mariana Silva Ribeiro, Hilson Cunha Filho
PA3210	**The Effect of Gender Difference on the Smoking Cessation** Neslihan Ozcelik (Rize, Turkey), Songul Ozyurt
PA3211	**5 years' experience of the Quitline in Hungary-where do we go next?** Erika Pataki (Budapest, Hungary), Erzsebet Tóth, Diana Darwish, Zsuzsanna Cselko, Krisztina Bogos
PA3212	**Does Covid-19 affects smokers differently ?** Mariem Ferchichi (Tunis, Tunisia), Ikbel Khalfallah , Sabrine Louhaichi, Nouha Boubaker, Jamel Ammar, Basma Hamdi, Agnes Hamzaoui
PA3213	**Late Breaking Abstract - Disease trajectories in GOLD B chronic obstructive pulmonary disease (COPD) patients – nationwide data from Denmark** Anders Løkke (Højbjerg, Denmark), Ole Hilberg, Jesper Lykkegaard, Rikke Ibsen, Georgios Stratelis, Sofie de Fine Licht, Peter Lange

Pre-congress content Session 376 13:15 - 14:15

E-poster: New insights into lung function testing

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

Method(s) : Pulmonary function testing | Imaging | Physiology | General respiratory patient care | Epidemiology | Respiratory intensive care

Tag(s) : Digital health

Chairs : Ferenc Peták (Szeged, Hungary), Natalia Belousova (Toronto, Canada)

PA3214	**Certain conditions of respiratory assessment affect breathing frequency and awareness.** Olivier Van Hove (Bruxelles, Belgium), Olivier Debeir , Vasileios Andrianopoulos, Dimitri Leduc , Gael Deboeck , Bruno Bonnechère
PA3215	**Membrane and capillary component of the lung Diffusion capacity in obesity and bariatric Surgery** Na Zhou (Brussels, Belgium), Corentin Scoubeau, Vitalie Faoro
PA3216	**Simultaneous measurement of multiple breath washout and functional lung MRI** Anne-Christianne Kentgens (Grindelwald, Switzerland), Orso Pusterla, Orso Pusterla, Orso Pusterla, Orso Pusterla, Grzegorz Bauman, Grzegorz Bauman, Francesco Santini, Francesco Santini, Christoph Corin Willers, Oliver Bieri, Oliver Bieri, Philipp Latzin, Kathryn Ramsey
PA3217	**SPAR (Symmetric Projection Attractor Reconstruction): Identifying novel respiratory biomarkers from waveform morphology and variability** Miquel Serna Pascual (London, United Kingdom), Ying Huang, Philip Aston, Joerg Steier, Gerrard F Rafferty, Manasi Nandi
PA3218	**Impact of incorporating the evaluation of full inflation recommended in the 2019 spirometry standards on the evaluation of spirometry acceptability** Phil Lake (monmouth, United Kingdom), Kevin McCarthy, Reza Farienfar, Dawn Patterson, Marilyn Raffensperger
PA3219	**Development of an experimental evaluation of work of breathing in patients with excessive dynamic airway collapse (EDAC)** Léa Razakamanantsoa (Rouen, France), Emeline Fresnel, Adrien Kerfourn, Jorys Achard, Antoine Cuvelier, Maxime Patout
PA3220	**Implementation of a human mainstream capnograph to rats using 3D-printed adapter** Gergely H. Fodor (Szeged, Hungary), Almos Schranc, Jozsef Tolnai, Ferenc Petak
PA3221	**Validation of manual and automated wheezing detection from audio recordings** Neil Skjodt (Lethbridge (AB), Canada), Samaneh Sarraf, Ronald S. Platt, Kevin Chan
PA3222	**Respiratory function monitoring in amyotrophic lateral sclerosis patients: 1-year analysis** Sónia Isabel Silva Guerra (Viseu, Portugal), João Portela, Filipa Carriço, Daniela Rodrigues, Margarida Redondo, Tiago Pinto, Miguel Gonçalves, Marta Drummond
PA3223	**CLE-test with cold air as provocation factor – a feasibility study** Jon Andrew Hardie (Bergen, Norway), Sandra Stadheim, Signe Bø, Ola Drange Røksund, Håkon Kvidaland, Hege Synnøve Clemm
PA3224	**New insights into small airway function in Type 2 Diabetes by Impulse Oscillometry** Nagesh Dhadge (Pune (Maharashtra), India), Sundep Salvi, Vanjare Nitin, Shweta Rasam, Sapna Madas, Kameshwar Rao, Vandana Das
PA3225	**High accuracy of automated respiratory rate readings in a novel, non-contact home monitor** William Do (Worcester Park, United Kingdom), Christopher Wheeler, Maarten De Vos, Richard Russell, Mona Bafadhel
PA3226	**Exercise metabolism: the key to performance** Martin Osswald (Zürich, Switzerland), Dario Kohlbrenner, Nora Nowak, Noriane a. Sievi, Diana Mandler, Renato Zenobi, Pablo Sinues, Jörg Spörri, Johannes Scherr, Malcolm Kohler
PA3227	**Pulmonary function in children with transfusion-dependent thalassemia and its relation to serum ferritin** Marwa Moaaz (Alexandria, Egypt), Omneya Badreldin, Mohamed Abougabal, Aya Fata
PA3228	**Gender and speech related differences on thoracoabdominal motion during cognitive tasks** Olivier Van Hove (Bruxelles, Belgium), Olivier Debeir , Vasileios Andrianopoulos, Dimitri Leduc , Gael Deboeck , Bruno Bonnechère

PA3229 **Structural characteristics of a novel catheter for esophageal pressure monitoring**
Gabriella Abbate (Chermside, Australia), Sebastiano Colombo, Keibun Liu, Clayton Semenzin, Noriko Sato, Carmen Ainola, Emily Wood, Davide Chiumello, Jacky Suen, Jo Pauls, John Fraser, Gianluigi Li Bassi

PA3230 **Correlation between the predicted and the actual postoperative forced expiratory volume in one second (FEV1) after lung resection: a prospective evaluation among bronchogenic cancer and non-bronchogenic cancer patients**
Gerard Tristan De la Cuesta (Pasig City, Philippines)

PA3231 **A Nationwide Survey of Awareness and Knowledge on Bronchial Provocation Test (BPT) amongst Doctors in Malaysia**
Nai Chien Huan (Kajang, Malaysia), Khai Lip Ng, Fatimah Azmah Mohammad, Nur Husna Mohd Aminudin, Fatimah A'Tirah Mohammad, Noorul Afidza Muhammad, Ummi Nadira Daut, Mona Zaria Nasaruddin, Jamalul Azizi Abdul Rahaman

PA3232 **Can the interrupter resistance be used to measure airway hyperresponsiveness during the methacholine challenge test as a substitute for FEV1?**
Laura Schellekens (Delfgauw, Netherlands), Jan Fijn, Sjaak Dijkman, Hugo Spruijt, Ivo Van Der Lee

Pre-congress content Session 377 13:15 - 14:15

E-poster: Imaging in COVID-19

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

Method(s) : Imaging | General respiratory patient care | Respiratory intensive care | Pulmonary function testing | Public health | Pulmonary rehabilitation

Tag(s) : COVID

Chairs : Mario Silva (Milan, Italy), Anna Kerpel-Fronius (Budapest, Hungary)

PA3233 **Uncommon presentation of COVID 19 pneumonia as pneumothorax and pneumomediastinium : clinico-radiological characteristics**
Abhisheka Kumar (Patna (Bihar), India)

PA3234 **Radiological outcome of COVID-19 survivors**
Christophe Schepers (Leuven, Belgium), Walter De Wever

PA3235 **CT Features and Short-term Prognosis of COVID-19 Pneumonia**
Asma Allouche (bizerta , Tunisia), Sonia Toujani Chekki, Marwa Kalila, Abir Hedhli, Yacine Ouahchi, Mariem Chaabene, Sana Cheikh Rouhou, Samira Merai, Meriem Mjid, Besma Dhahri

PA3236 **Scanning profile of patients with covid-19 infection: about 100 cases**
marzouki safa (tunis, Tunisia), Maazaoui Sarra, Nouira Imen, Hbibech Sonia, Racil Hajer, Chaouch Nawel

PA3237 **Does Auscultation of lungs correlate with chest X-ray findings and O2 administered in COVID-19 pneumonia patients ?**
Rajesh Kumar Yadavilli (Sale, United Kingdom), Kamal Ibrahim, Abbas Al-Asadi, Ian Webster, Jo Balmer, Mohammed Ibrahim, Alexander Lomas

PA3238 **Implementation of CT based cohorting of patients during COVID 19 pandemic**
Muhammad Shafiq (Basildon Essex, United Kingdom), Baranitharan Manoharan, Ujaas Dawar, Anoop Babu, Rebecca Bates, Marcus Pittman

PA3239 **Calculating expected lung lesion volume in patients with COVID-19.**
Svetlana Goponiako (Gomel, Belarus), Irina Buinevich, Kristina Levchenko

PA3240 **Clinical, radiological and functional outcomes in patients with COVID-19 pneumonia: A prospective observational study**
Pietro Gianella (Lugano, Switzerland), Elia Rigamonti, Marco Marando, Adriana Tamburello, Lorenzo Grazioli, Gianluca Argentieri, Carla Puligheddu, Alberto Pagnamenta, Marco Pons, Tanja Fusi-Schmidhauser

PA3241 **The absolute lobar and pixel analysis of COVID-19 pneumonia in CT images**
Elif Soya (Izmir, Turkey), Nur Ekenel, Serkan Kocoglu, Recep Savas, Minsuok Kim, Ozkan Doganay

PA3242 **The correlation between the extent of radiological attainment of COVID-19 and oxygen demand**
Riahi Asma (Mateur, Tunisia), Mhamdi Samira, Yousfi Imen, Daboussi Salsabil, Mejri Islem

PA3243 **HRCT-Thorax: A magnificient diagnostic tool for pandemic COVID-19 pneumonia in Pakistan.**
Abdul Rasheed Qureshi (Lahore, Pakistan)

PA3244 **Chest x-ray follow-up for patients admitted with SARS-COV-2 infection in Leeds Teaching Hospitals (LTHT)**
Jessica Bradley (Leeds, United Kingdom), Catherine Campbell, Rashad Salman

PA3245 **Chest CT findings in 1st peak of COVID-19 pandemic in a U.K. tertiary centre.**
Rajashri Patil (Oadby, United Kingdom), Jiaying Kuah, Ian Brozik, Indrajeet Das

PA3246 **The role of CT Thorax scans in triaging suspected cases of Covid-19**
Mary Flynn (London, United Kingdom), Hyun Park , K Aguilaresguerra, A Fawzi, S Saikia , A Chapman, S Sharma

PA3247 **X-ray of the lungs and neural networks: classification of pneumonia and COVID-19**
Liubov Parolina (Moscow, Russian Federation), Vadim Efremtsev, Nikolay Efremtsev, Evgeniy Teterin, Egor Bazavluk, Natalia Doctorova

PA3248 **Persistent radiological abnormalities in correlation to lung function in survivors of severe COVID-19 pneumonia**
Christine Seebacher (Bolzano (BZ), Italy), Lucio Bonazza, Patrizia Pernter, Federica Ferro

PA3249 **Is it really infection? A pictorial review of chest imaging in children and adolescents**
Alice Tee (London, United Kingdom), Laura Marsland, Atul Gupta, Saira Haque

PA3250 **Myocardial dysfunction in patients (pts) after severe coronavirus disease (COVID-19)**
Oleksandr Fesenko (Slobozhanske, Ukraine), Tetyana Pertseva, Lada Siabro, Olena Myronenko

PA3251 **An Assessment of the Performance of Low Dose CT Thorax (CT Pneumonia) as a screeing tool in the diagnosis of Covid-19**
Michael Pace Bardon (Swieqi, Malta), Julian Cassar, Gabriella Balzan , Peter Cassar, Luca Conti , Nicola Mallia, Stephanie Brincat, Emma Schembri, Martin Balzan, Yanika Farrugia, Peter Fsadni, Gabriel Galea , Richard Pullicino, Adrian Mizzi , Stephen Montefort

Pre-congress content Session 378 13:15 - 14:15

E-poster: COVID - 19 epidemiology

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

Method(s) : General respiratory patient care | Imaging | Epidemiology | Respiratory intensive care | Physiology | Public health

Tag(s) : COVID

Chairs : Oksana Viltsaniuk (Vinnitsa, Ukraine), Jessica Rademacher (Hannover, Germany)

PA3252 **Outcomes of level 1 Covid-19 inpatients at six months**
Jonathan Bates-Powell (Cramlington, United Kingdom), Dilraj Bhullar, Catherine Dotchin, Emily Grimshaw, Ellen Tullo, Avinash Aujayeb

PA3253 **Differences in host inflammatory response and severity according to gender in COVID-19**
Jone Solorzano Santobeña (bilbao, Spain), Imanol González, Beatriz Gonzalez, Alejandro Rezola, Edurne Echevarría, Sonia Castro, Marta García, Amaia Urrutia, Leyre Serrano, Luis Alberto Ruiz, Rafael Zalacaín

PA3254 **Characteristics of hospitalized COVID-19 patients and parameters associated with severe pneumonia**
Muzaffer Onur Turan (Izmir, Turkey), Arzu Mirici, Serap Duru Akçalı, Pakize Ayşe Turan, Özgür Batum, Aysun Şengül, Zühal Ekici Ünsal, Nalan Işık Kabakoğlu, Nalan Ogan, Şerife Torun, Güntülü Ak, Şule Akçay, Berna Kömürcüoğlu, Nazan Şen, Pinar Mutlu, Ülkü Yılmaz

PA3255 **Another aspect of COVID pandemic: where has all the Flu gone?**
Taya Chapman (Rayleigh, United Kingdom), Etel Etel, Harmesh Moudgil, Koottalai Srinivasan, Emma Crawford, Annabel Makan, Nawaid Ahmad

PA3256 **Early bedside clinical prediction of deterioration in COVID-19 happy hypoxaemic phenotype associated with good prognosis.**
Athanasios Mamarelis (Nottingham, United Kingdom), Ak Mohammad Farid Pg Metussin, Arion Pepas, Arun Khanna, Milind Sovani

PA3257 **Risk contribution of comorbidities in hospitalized patients with Covid 19 pneumonia**
Nikolay Kyuchukov (Pleven, Bulgaria), Iliya Krachunov, Zlatina Ivanova, Temenuzhka Ignatova-Danova, Pavlina Glogovska, Plamen Pavlov, Tsanya Popova, Yavor Ivanov

PA3258	**Descriptive study of patients admitted to hospital for suspected COVID19 with initial negative PCR: clinical characteristics, methods of confirmation, and most common alternative diagnoses.** Elena Curto Sánchez (Barcelona, Spain), Esther Palones Femenia, Inés Podzamczer Valls, Laia Cendón Panades, Albert Rafecas Codern, Fernando Gutierrez Pereyra, Vicente Plaza Moral
PA3259	**Asymptomatic hypoxia in Covid-19** Federico Raimondi (Bergamo, Italy), Luca Novelli, Arianna Ghirardi, Mariangela Amoroso, Roberta Trapasso, Mauro Gori, Michele Senni, Chiara Allegri, Roberta Biza, Marisa Anelli, Caterina Conti, Gianluca Imeri, Gianmariano Marchesi, Ferdinando Luca Lorini, Fabiano Di Marco
PA3260	**Comparative analysis between survivors and deceased in the first wave of the COVID-19 pandemic** Larisa Dobrescu (Timisoara, Romania), Ludmila Pîslaru, Carla Glavan, Alexandra Lehocz, Adelina Neiconi, Stefan Mihaicuta, Nicoleta Bertici
PA3261	**Impact of bacterial co-infection with COVID-19 on morbidity and mortality** Scott Waring (Harlow, United Kingdom), Gvantsa Gamtkitsulashvili, Siddarth Kumar, Shavita Kuckreja, Ugochukwu Ekeowa, Samir Naik, Muhammad Anwar, Peter Russell
PA3262	**Clinical features of COVID-19 pneumonia in elderly patients** Imen Sahnoun (Ariana, Tunisia), Soumaya Debiche, Soumaya Ben Saad, Fatma Ezzahra Dabbebi, Ameni Ben Mansour, Asma Zaafouri, Sarra Ben Sassi, Hafaoua Daghfous, Sonia Maâlej, Fatma Tritar, Leila Douik El Gharbi, Soumaya Debiche
PA3263	**Risk factors for long-term hospitalization in patients with COVID 19** Amani Kacem (Sousse, Tunisia), Dhekra Chebil, Sana Rouis, Rahma Ben Jazia, Donia Ben Hassine, Emna Arfaoui, Hela Sakly, Anis Maatallah, Slim Samet, Latifa Merzougui
PA3264	**Profile of respiratory infections among mild/asymptomatic COVID 19 patients in a tertiary referral of central India** Deepak Muthreja (Nagpur (Maharashtra), India), Rajesh Swarnakar, Abhishek Faye
PA3265	**Impact of COVID-19 on patients with chronic lung disease** Etel Etel (Birmingham, United Kingdom), Taya Chapman, Harmesh Moudgil, Koottalai Srinivasan, Annabel Makan, Emma Crawford, Nawaid Ahmad
PA3266	**Comparison of body composition, physical capacity, and immuno-metabolic profile of hospitalized patients with community-acquired pneumonia caused COVID-19, influenza, and bacteria.** Camilla Koch Ryrsø (Frederiksberg, Denmark), Arnold Matovu Dungu, Maria Hein Hegelund, Andreas Vestergaard Jensen, Adin Sejdic, Daniel Faurholt-Jepsen, Rikke Krogh-Madsen, Birgitte Lindegaard
PA3267	**Common symptoms in hospitalized COVID-19 patients by age, severity and survival outcome – A literature review** Eileen Han (Collegeville, United States of America), Ember Lu, Anne Heyes, Josephine Mauskopf, Marguerite Bracher, Helen Birch
PA3268	**Clinical Characteristics and Outcomes of Type 2 Diabetes and patients Infected with COVID-19** Soumaya Bouchareb (Ksar Hellal, Tunisia), HASSENE BAILI, Imen Touil, Yosra Brahem, Kessisa Souhir, Jihene Ayeb, Nadia Keskes Boudawara, Jalel Kneni, Leila Boussoffara
PA3269	**The epidemiological and clinical characteristic of COVID-19 cases from the Republic of Moldova** Evelina Lesnic (Chisinau, Republic of Moldova), Tatiana Osipov, Alina Malic, Adriana Niguleanu, Carmina Paladi
PA3270	**Features of the clinical course of coronavirus and bacterial pneumonia** Irina Demko (Krasnoyarsk (Krasnoyarsk Krai), Russian Federation), Angelina Kraposhina, Natalia Gordeeva, Irina Soloveva, Marina Mamaeva, Elena Sobko, Elena Verbitskaya, Ksenia Shadrina
PA3271	**Clinical differences between elderly and nonelderly patients with COVID-19** Gülistan Karadeniz (Izmir, Turkey), Fatma Demirci Ucsular, Gülru Polat, Aysu Ayrancı, Enver Yalnız, Filiz Güldaval , Melih Büyükşirin, Ceyda Anar

Pre-congress content Session 379 13:15 - 14:15

E-poster: Translational and other aspects of idiopathic interstitial pneumonia

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Interstitial lung diseases Airway diseases

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

Chairs : Sabina A. Guler (Bern, Switzerland), Bruno Crestani (Paris, France)

PA3272	**Enabling an interstitial lung disease genomic classifier on an automated platform** Huimin Jiang (South San Francisco, United States of America), Carl Schaper, Jianghan Qu, Nicole Davis, Grazyna Fedorowicz, Mark Naranja, Kyongryun Lee, James Storhoff, Dan Pankratz, Ambika Sopory, Sangeeta Bhorade, Jing Huang, Sean Walsh, Giulia Kennedy
PA3273	**TERT expression in lung cancer associated with IPF: a case-control study** Georgia Gomatou (Athens, Greece), Christos Masaoutis, Ioannis Vamvakaris, Evangelos Bouros, Demosthenes Bouros
PA3274	**Radiological scores in IPF patients according to MUC5B polymorphism.** Elisabetta Cocconcelli (Padova (PD), Italy), Nicol Bernardinello, Chiara Giraudo, Clorinda Greco, Anna Sara Fraia, Alessia Achille, Marina Saetta, Elisabetta Balestro, Paolo Spagnolo
PA3275	**The histopathological correlate of interstitial lung abnormalities: an explant lung study>** Stijn Verleden (Leuven, Belgium), Arno Vanstapel, Tinne Goos, Laurens Ceulemans, Dirk Van Raemdonck, Laurens De Sadeleer, Vincent Geudens, Janne Kaes, Iwein Gyselinck, Michaele Orlitova, Karen Maes, Celine Aelbrecht, Robin Vos, Bart Vanaudenaerde, Arne Neyrinck, Geert Verleden, Matthieu Boone, Birgit Weynand, Johny Verschakelen, Wim Wuyts
PA3276	**Interstitial lung abnormalities with a diagnosis of idiopathic pulmonary fibrosis** Tomohiro Bando (Seto, Japan), Reoto Takei, Yasuhiko Yamano, Toshiki Yokoyama, Toshiaki Matsuda, Kensuke Kataoka, Tomoki Kimura, Takeshi Johkoh, Junya Fukuoka, Yasuhiro Kondoh
PA3277	**The role of CX3CL1 and ADAM17 in pathogenesis of diffuse parenchymal lung diseases** Eva Tedlova (Bratislava, Slovakia), Jan Urban, Magda Suchankova, Martina Ganovska, Vladimir Leksa, Frantisek Sandor, Brian Konig, Imrich Jonner, Maria Bucova
PA3278	**Effect of pirfenidone on the development of pellagra-related nausea in mice** Koji Kuronuma (Sapporo, Japan), Natsumi Susai, Tatsuru Ishikawa, Tomohiro Kuroita, Takeshi Yoshioka
PA3279	**Effect of thymus vulgaris leaf extract on bleomycin induced oxidative stress and lung fibrosis in rats** Sana BAHRI (Tunis, Tunisia), Mona Mlika, Afef Nahdi, Saloua Jameleddine
PA3280	**Real world data analysis indicates that pirfenidone may cause pellagra-like photosensitivity** Takeshi Yoshioka (Osaka, Japan), Tomohiro Kuroita, Hiroki Yamamoto, Natsumi Susai, Koji Kuronuma, Shuji Kaneko
PA3281	**Surface enolase-1 mediated cell migration and lung fibrosis in bleomycin-induced mice** Wei-Ching Huang (Taipei, Taiwan), Chi-Fen Chuang, I-Che Chung, Yung-Tsang Huang, Mao-Lin Chen, Ta-Tung Yuan
PA3282	**NHLRC2 mRNA and protein expression in idiopathic pulmonary fibrosis** Mervi Kreus (Oulu, Finland), Siri Lehtonen, Johanna Salonen, Reetta Hinttala, Riitta Kaarteenaho
PA3283	**Prolyl-3-hydroxylase 4 (P3H4), a novel player in collagen synthesis and secretion in lung fibroblasts** Ceylan Onursal (München, Germany), Larissa Knüppel, Juliane Merl-Pham, Caressa D. Lietman, Rudolf Hatz, Jürgen Behr, Kristian Unger, Julia Hess, Stefanie M. Hauck , Brendan Lee, Claudia Staab-Weijnitz
PA3284	**The impact of idiopathic pulmonary fibrosis on the airway length per generation in the human lung** Vincent Geudens (Leuven, Belgium), Celine Aelbrecht, Janne Kaes, Jan Van Slambrouck, Tinne Goos, Arno Vanstapel, Gitte Aerts, Iwein Gyselinck, Laurens J. De Sadeleer, Stijn E. Verleden, Geert M. Verleden, Wim Janssens, Robin Vos, Laurens J. Ceulemans, Ghislaine Gayan-Ramirez, Bart M. Vanaudenaerde, Wim A. Wuyts
PA3285	**Anti–fibrotic efficacy of Lck inhibitor via the suppression of TGF–ß production in regulatory T cells** Kozo Kagawa (Tokushima, Japan), Kozo Kagawa, Kazuya Koyama, Seidai Sato, Takeshi Imakura, Kojin Murakami, Naoki Takahashi, Nobuhito Naito, Haruka Nishimura, Hiroshi Kawano, Yasuhiko Nishioka
PA3286	**Aging decreases reversibility of pulmonary fibrosis by regulating PRDM16-related fatty acid metabolism in lung fibroblasts** Yue Zhang (Guangzhou, China), Yue Zhang, Ying Meng
PA3287	**Effects of coronavirus disease 2019 (COVID-19) pandemic on the follow-up and treatment of patients with idiopathic pulmonary fibrosis: a cross-sectional multicenter study phone call survey** Necmiye Funda Coşkun (Bursa, Turkey), Ismail Hanta, Aykut Çilli, Güven Özkaya, Ahmet Ursavaş, Can Sevinc
PA3288	**Interstitial lung abnormalities after SARS-COV2 infection** Maria Cinta Cumpli Gargallo (Amposta, Spain), Diana Badenes Bonet, Oswaldo Antonio Caguana Velez, Jose Gregorio González García, Flavio Zuccarino, Juana Martínez Llorens, Judit Villar, Joaquim Gea Guiral, Diego Rodríguez Chiaradia, Eva Balcells Vilarnau
PA3289	**FOLLOW-UP OF PATIENTS WITH SEVERE COVID-19 PNEUMONIA AND TORPID EVOLUTION** Oswaldo Antonio Caguana Velez (Barcelona, Spain), Oswaldo Antonio Caguana Velez, Diana Badenes , Flavio Zuccarino, Luis Del Carpio Bellido, Diego Rodríguez-Chiaradía, Marisol Domínguez, Joaquim Gea, Eva Balcells

PA3290 **Basement membrane remodeling is related to disease progression and severity in idiopathic pulmonary fibrosis**
Henrik Jessen (Herlev, Denmark), Nils Hoyer, Thomas Prior, Peder Frederiksen, Morten Karsdal, Diana Leeming, Elisabeth Bendstrup, Jannie Sand, Saher Shaker

Pre-congress content Session 380 13:15 - 14:15

E-poster: What's new in respiratory problems in rare and systemic diseases

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Respiratory critical care | Sleep and breathing disorders | Pulmonary vascular diseases | Airway diseases | Thoracic oncology | Interstitial lung diseases

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

Chairs : Carmelo Gabriele (Ancona (AN), Italy), Nicolas Kahn (Heidelberg, Germany)

PA3291 **Long-term evaluation of respiratory outcomes in patients with late onset Pompe disease under enzyme replacement therapy: the role of postural drop and its impact on quality of life**
Grazia Crescimanno (Palermo (PA), Italy), Luca Palazzolo , Manuela Bertini, Salvatore Arrisicato, Oreste Marrone

PA3292 **Kaposiform lymphangiomatosis in adult patients– results of sirolimus treatment**
Elżbieta Radzikowska (Warszawa, Poland), Katarzyna Błasińska, Małgorzata Szolkowska, Elzbieta Wiatr

PA3293 **Respiratory disturbances in fibromyalgia: A systematic review and meta-analysis of case control studies**
Alejandro Heredia Ciuró (Granada, Spain), Araceli Ortiz Rubio, Irene Torres-Sánchez, Javier Martín-Núñez, Andrés Calvache-Mateo, Alejandro Heredia-Ciuró, Marie Carmen Valenza

PA3294 **The efficacy of inhaled tiotropium add-on to budesonide/formoterol in patients with bronchiolitis obliterans after hematopoietic stem cell transplantations**
Hyonsoo Joo (Seoul, Republic of Korea), Jeong Uk Lim, Chin Kook Rhee

PA3295 **Prognostic value of respiratory variables in candidates for liver transplantation.**
Hélène Pringuez (Paris, France), Antoine Beurnier, Athénaïs Boucly, Nathan Ebstein, Jérémie Pichon, Sophie Bulifon, Xavier Jais, Mitja Jevnikar, Etienne Marie Jutant, David Montani, Marc Humbert, Olivier Sitbon, Laurent Savale

PA3296 **Clinical Characteristics of Methotrexate Associated Lymphoproliferative Disorders >Please type your abstract title in Sentence case.**
Manabu Suzuki (Tokyo, Japan), Sachi Matsubayashi, Keita Sakamoto, Motoyasu Iikura, Shinyu Izumi, Masayuki Hojo, Haruhito Sugiyama

PA3297 **The frequency of the respiratory comorbidities in patients (pts) with rheumatoid arthritis (RA)**
Lyudmyla Konopkina (Dniepropetrovsk, Ukraine), Larisa Botvinikova, Olena Myronenko, Oksana Plekhanova

PA3298 **Pulmonary involvement in antisynthetase syndrome: more than myopathy**
Fatma Çiftci (Ankara, Turkey), Sema Nur Süslü, Oya Kayacan

PA3299 **Long-term oxygen therapy in complex treatment of patients with respiratory failure due to congenital kyphoscoliosis**
Olga Titova (St. Petersburg, Russian Federation), Natalya Kuzubova, Darya Sklyarova , Elizaveta Volchkova

PA3300 **Pretransplant lung function tests in patients with malignant hemopathy undergoing stem cell transplantation.**
Ichraf Anane (Sousse, Tunisia), Sana Sellami, Sahar Chakroun, Ines Kammoun, Leila Triki, Sana Benjemaa, Hela Zouari, Kaouther Masmoudi

PA3301 **Genetic analysis of 17 children with Primary Ciliary Dyskinesia (PCD)**
Sergio Iniesta González (Valencia, Spain), Ana Barrés Fernández, Diannet Quintero García, Ángela Moreno Palomino, Silvia Castillo Corullón

PA3302 **The impact of diagnostic delay on survival in alpha-1-antitrypsin deficiency - results from the Austrian Alpha-1 Lung Registry**
Tobias Meischl (Vienna, Austria), Karin Schmid-Scherzer, Judith Loeffler-Ragg, Fikreta Grabcanovic-Musija, Simona Mueller, Gert Wurzinger, Norbert Kaufmann, Markus Rauter, Arschang Valipour, Georg-Christian Funk

PA3303 **International French-speaking multicentre practice survey on hepatic hydrothorax (HH) : Results of the "Hep Hep" study among 529 hepatogastroenterologist (HG) or pneumologist (PN) respondents.**
Jacques Cadranel (Paris Cedex 20, France), Jean-François Cadranel, Isabelle Ollivier, Thierry Thevenot, Eric Nguyen-Khac, Christophe Bureau, Manon Allaire, Jean-Baptiste Nousbaum, Véronique Loustaud-Ratti, Xavier Causse, Philippe Sogni, Bertrand Hanslik, Marc Bourlière, Jean-Marie Péron, Nathalie Ganne-Carrié, Thong Dao, Bernard Maitre, Laure Elkrief, Chantal Raherison, Tristan Le Magoarou

PA3304 **A review of pulmonary sequestration in a district general hospital**
Avinash Aujayeb (newcastle, Mauritius), Alex Mcclement, Parag Narkhede

PA3305 **Visceral Fat is More Related to Impairment of Lung Function and Mechanics and Pulmonary Immune Response in Overweight and Grade I Obese Women**
Anamei Silva-Reis (São José dos Campos, Brazil), Anamei Silva-Reis, Maysa A Rodrigues Brandao-Rangel, Renilson Moraes-Ferreira, Thiago G Gonçalves-Alves, Victor H Souza-Palmeira, Helida C Aquino-Santos, Claudio R Frison, Rodolfo P Vieira

PA3306 **Prognostic impact of acute kidney injury in patients with acute pulmonary embolism.Data from the RIETE registry**
Laurent Bertoletti (Saint Etienne Cedex, France), Martin Murgier, Behnood Bikdeli, David Jimenez, Javier Trujillo-Santos, Adel Merah, Cristina De Ancos, Ángeles Fidalgo, Jesús Aibar, Manuel Monreal

PA3307 **Can we treat Exercise Induced Laryngeal Obstruction with inhaled ipratropiumbromide?**
Praveen Muralitharan (Bergen, Norway), Petter Carlsen, Maria Vollsæter, Mette Engan, Ida Jansrud Hammer, Thomas Halvorsen, Ola Drange Røksund, Hege Synnøve Havstad Clemm

PA3308 **Late Breaking Abstract - Cumulative retrospective pharmacovigilance review of inhaled levofloxacin: drug-related aneurysms, artery dissection and cardiac valve disorders**
Mario Scuri (Parma, Italy), Mario Scuri, Ottavio D'Annibali, Debora Santoro, Claudio Procaccianti

PA3309 **Late Breaking Abstract - Role of Discharge VTE Assessment in Correct VTE Prophylaxis Prescription**
Hsu Myat Noe (Aylesbury, United Kingdom), M Chinedu, R Raju

PA3310 **Late Breaking Abstract - Short-term effects of a novel bronchial drainage device in Cystic Fibrosis patients**
Dorit Fabricius (Ulm, Germany), Hanna Schmidt, Monika Toth, Christine Käppler-Schorn, Ute Siebeneich, Sebastian Bode

Pre-congress content Session 381 13:15 - 14:15

E-poster: Respiratory failure in COVID19 and beyond

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Respiratory critical care | Pulmonary vascular diseases | Interstitial lung diseases

Method(s) : Respiratory intensive care | General respiratory patient care | Imaging | Public health | Palliative care | Pulmonary rehabilitation | Physiology | Cell and molecular biology | Epidemiology

Tag(s) : COVID

Chairs : Michael Dreher (Aachen, Germany), Alexandre Demoule (Paris, France)

PA3311 **Effectiveness, efficacy and safety of INTELLiVENT–ASV, a closed-loop ventilation mode for ICU patients - a systematic review**
Michela Botta (Rotterdam, Netherlands), Eliane F E Wenstedt, Anissa M Tsonas, Laura A Buiteman–kruizinga, David M P Van Meenen, Hendrik H M Korsten, Janneke Horn, Frederique Paulus, Alexander G J H Bindels, Marcus J Schultz, Ashley J R De Bie

PA3312 **Prediction of successful weaning from mechanical ventilation by continuous ultrasound monitoring of diaphragm excursion**
Alexandre Demoule (Paris, France), Sara Virolle, Alain Mercat, Daniel Bergum, Come Bureau, Satar Mortaza

PA3313 **A respiratory department's use of high-flow nasal oxygen and associated patient outcomes (prior to the COVID-19 pandemic)**
Bharat Sharma (Ewloe, United Kingdom), Jennifer Nixon, Emma Moon, Emily Nuttall, Sarah Macrae

PA3314 **Specialized weaning and readaptation unit in the trajectory of SARS-CoV-2 severe acute respiratory distress: a 3-months monocenter outcome study**
Morgane Faure (Paris, France), Maxens Decavèle, Elise Morawiec, Martin Dres, Nicolas Gatulle, Julien Mayaux, François Stefanescu, Julien Caliez, Thomas Similowski, Julie Delemazure, Alexandre Demoule

PA3315 **The dynamics of dyspnea in patients (pts) with pneumonia on the background of SARS-CoV2 infection**
Lyudmyla Konopkina (Dniepropetrovsk, Ukraine), Tetyana Pertseva, Olena Myronenko, Olha Shchudro

PA3316 **Palliative Care in hospitalized adults with COVID-19**
Luiza Helena Degani-Costa (São Paulo (SP), Brazil), Lyna K R Almeida, Débora C L Silva, Bruna A Campos, Gabriela Varela, Cristina M B Fonseca, Victor L P Amorim, Felipe M T Piza, Thiago J Avelino-Silva

PA3317	**Comparison of transpulmonary pressures by esophageal pressure measurement in supine and prone positions in patients with severe acute respiratory distress syndrome:An observational study** Pranshuta Sabharwal (Delhi, India), Vinod Kumar Singh, Niraj Tyagi, Rahul Kumar, Debashish Dhar, Ashutosh Taneja, Sangeeta Chakraborty, Prasoon Gupta, Amitabh Dutta, Brijendra Kumar Rao
PA3318	**An appraisal of respiratory system compliance in mechanically ventilated COVID-19 patients** Gianluigi Li Bassi (Brisbane, Australia), Jacky Suen, Heidi J Dalton, Nicole White, Kei Sato, Sally Shrapnel, Jonathon P Fanning, Benoit Liquet, Samuel Hinton, Aapeli Vuorinem, Gareth Booth, Jonathan E Millar, Simon Forsyth, Mauro Panigada, John Laffey, Daniel Brodie, Eddy Fan, Antoni Torres, Davide Chiumello, Amanda Corley, Alyaa Elhazmi, Carol Hodgson, Shingo Ichiba, Carlos Luna, Srinivas Murthy, Alistair Nichol, Pauline Yeung, Mark Ogino, Antonio Pesenti, Huynh Trung Trieu, John F Fraser
PA3319	**Gravity dependent imaging and physiological changes in non-intubated patients affected by Covid-19 pneumonia (PAESI-COV-19): a prospective cohort study** Sara Piciucchi (Forlì, Italy), Antonio Vizzuso, Maria Luisa Garo, Giorgia Dalpiaz, Claudia Ravaglia, Venerino Poletti
PA3320	**Landiolol vs Esmolol on hemodynamic response during weaning of post-operative ICU patients with heart failure** Maria Anifanti (Athens, Greece), Ioanna Iona, Kyriaki Tsikritsaki, Serafeim Chrysikos, Alexandros Kalogeromitros, Georgios Koukoulitsios
PA3321	**Biomarkers for activation of the inflammatory and immune systems in the risk of mortality in critically-ill COVID-19 patients** Alice G. Vassiliou (Athens, Greece), Alexandros Zacharis, Chrysi Keskinidou, Edison Jahaj, Parisis Gallos, Nikolaos Athanasiou, Stamatios Tsipilis, Ioanna Dimopoulou, Anastasia Kotanidou, Stylianos E. Orfanos
PA3322	**Thoracic ultrasound impacts clinical decision-making in chest physiotherapy for critical care patients. A multicenter study** Aymeric Le Neindre (Férolles-Attilly, France), Louise Hansell, Johan Wormser, Andreia Gomes Lopes, Carlos Diaz Lopez, Francois Philippart, Belaid Bouhemad, George Ntoumenopoulos
PA3323	**Diaphragm neurostimulation preserves end-expiratory lung volume more in ventral lung regions.** Elizabeth Rohrs (Surrey, Canada), Thiago Bassi, Karl Fernandez, Marlena Ornowska, Michelle Nicholas, Jessica Wittmann, Steven Reynolds
PA3324	**Clinical comparison between epidemic waves in COVID-19 hospitalized patients** Ramon Cabo Gambin (Lleida, Spain), Maria Zuil Moreno, Carlos Manzano Senra, Anna Moncusi, Clara Gort, David Benitez, Laia Utrillo, Gerard Torres, Ferran Barbe, Jessica Gonzalez
PA3325	**Potential for personalised application of inhaled nitric oxide in Covid-19 pneumonia** Laura Price (London, United Kingdom), Benjamin Garfield, Charles Mcfadyen, Charlotte Briar, Colm Mccabe, Stefan Ledot, Melissa Baldwin, Katerina Vlachou, Susanna Price, S John Wort, Brijesh Patel
PA3326	**Effect of neurophysiological facilitation techniques on functional levels and respiratory in intensive care patients** Mehmet Burak Uyaroglu (İSTANBUL, Turkey), Yasemin Cirak, Nurgül Dürüstkan Elbasi, Hakan Parlak
PA3327	**Late Breaking Abstract - A retrospective analysis of ROX score for predicting treatment failure and progression to invasive ventilation in COVID patients requiring enhanced respiratory support** David Ritchie (Bristol, United Kingdom), David Ritchie, Sara Fairbairn
PA3328	**Late Breaking Abstract - The pro-inflammatory activity and role of NLRP3 inflammasome in severe influenza A virus pneumonia.** Yunfeng Shi (GuangZhou, China), Xiaohan Shi, Yunfeng Shi, Jun Zhu, Junxian Chen, Benquan Wu
PA3329	**Late Breaking Abstract - Hospitalized patients aged =70 years were disproportionately affected by COVID-19** Daniel Gibbons (Brentford, United Kingdom), J. Morel Symons, Marguerite Bracher

Pre-congress content Session 382 13:15 - 14:15

E-poster: The ongoing threat of drug-resistant tuberculosis

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases Respiratory critical care

Method(s) : General respiratory patient care Public health Endoscopy and interventional pulmonology Imaging Epidemiology Cell and molecular biology

Chairs : Giovanni Battista Migliori (Varese (VA), Italy), Sergey Evgenievich Borisov (Moscow, Russian Federation)

PA3330	**Multidrug-resistant tuberculosis in children of Belarus** Larissa Gorbach (Minsk, Belarus)
PA3331	**TB Portals Program in Ukraine** Dmytro Butov (Kharkiv, Ukraine), Andrei Gabrielian, Valeriy Myasoedov, Tetiana Butova, Alyssa Long, Emily Matlock, Darrell Hurt, Alina Grinev, Alex Rosenthal
PA3332	**Morphological changes of a small intestine wall in patients with multidrug resistant tuberculosis** Olena Pidverbetska (Chernivtsi, Ukraine), Liliia Todoriko
PA3333	**Treatment of multidrug-resistant tuberculosis in Uzbekistan from 2012 to 2018: does practice follow policy?** Ruzilya Usmanova (Tashkent, Uzbekistan), Nargiza Parpieva, Irina Liverko, Hayk Davtyan, Olga Danisiuk, Ajay Kumar , Jamshid Gadoev, Sevak Alaverdyan, Kostyantyn Dumchev, Barno Abdusamatova, Ilhomjon Butabekov
PA3334	**Clinical and mutational profile of extensively drug resistant tuberculosis cases in northern India.** Ajay Kumar Verma (Lucknow (Uttar Pradesh), India), Yash Jagdhari, Surya Kant, Richa Mishra, Kanchan Srivastava, Jyoti Bajpai
PA3335	**Efficiency of intravenous treatment with levofloxacin in patients with MDR pulmonary tuberculosis in the intensive phase of chemotherapy** Dmytro Butov (Kharkiv, Ukraine), Mykhailo Kuzhko, Mykola Gumeniuk, Oleksii Denysov, Tetiana Butova
PA3336	**Biological properties of Mycobacterium tuberculosis (Mtb) resistant to biocides** Natalya Eremeeva (Ekaterinburg (Sverdlovsk Oblast), Russian Federation), Tatyana Umpeleva, Diana Vakhrusheva, Sergey Skornyakov, Leonid Lavrenchuk
PA3337	**The effects of bedaquiline and fluoroquinolone-based treatment regimens in patients with MDR/XDR-TB on QT prolongation** Elena M Zhukova (Novosibirsk, Russian Federation), Yana Batyrshina
PA3338	**Influence of viral hepatitis and anti-TB drugs on hepatocyte disfunction in patients with MDR/XDR tuberculosis** Eduard Vaniev (Moscow, Russian Federation), Grigory Kaminskiy, Elena Veselova, Natalya Kuzmina, Anastasia Samoilova, Irina Vasilyeva
PA3339	**Medico-social features of resistance development to new anti–TB drugs in patients with MDR/XDR TB** Elena Kildyusheva (Ekaterinburg (Sverdlovsk Oblast), Russian Federation), Igor Medvinsiy, Sergey Skornyakov, Tayiana Lugovkina, Tatiana Umpeleva, Natalia Eremeeva
PA3340	**Risk factors for radiological and functional sequelae in multi-drug resistant tuberculosis** Mariem Ferchichi (Tunis, Tunisia), Soumaya Ben Saad, Ameni Ben Mansour, Othman Neffati, S Belhadj, Leila Slim, Hafaoua Daghfous, Fatma Tritar
PA3341	**Efficacy of linezolide-free chemotherapy schemes in patients with highly drug-resistant tuberculosis** Olga Otpuschennikova (Moskow, Russian Federation), Tatyana Morozova, Natalia Doktorova
PA3342	**Adherence of drug-resistant tuberculosis patients to treatment in Tashkent, 2019-2020** Ruzilya Usmanova (Tashkent, Uzbekistan), Nargiza Parpieva, Irina Liverko, Hayk Davtyan, Sevak Alaverdyan, Jamshid Gadoev
PA3343	**Tolerance to chemotherapy regimens with bedaquiline in adolescents with MDR/XDR pulmonary TB** Olga Piskunova (Moscow, Russian Federation), Ludmila Panova, Elena Ovsyankina, Ekaterina Krushinskaya
PA3344	**LTBI - MDR/XDR-TB cases - should all be treated?** Ricardo José Pereira De Matos Cordeiro (Portela LRS, Portugal), Maria João Cavaco, Carina Rolo Silvestre, André Nunes, Joao Araújo, Paula Raimundo, Daniel Duarte, Carla Cardoso, Natalia André, Rita Macedo, António Domingos
PA3346	**Effectiveness of complex treatment of bilateral destructive pulmonary XDR-tuberculosis** Alexey Tikhonov (Moscow, Russian Federation), Tatevik Bagdasaryan, Vladimir Romanov, Atajan Ergeshov
PA3347	**MDR-TB- A THREE YEAR RURAL TERTIARY CARE HOSPITAL EXPERIENCE** Poulomi Chatterjee (Gurgaon (Haryana), India), Vipin Goyal, Kapil Sharma, Sonia Hasija
PA3348	**Treatment Results of Multidrug Resistant Tuberculosis (MDR-TB) Patients in the Aegean Region** Yelda Varol (Izmir, Turkey), Onur Karaman, Can Bicmen, Tülay Akarca, Sevket Dereli, Didem Ozbakır
PA3349	**Moxifloxacin, as an alternative in the treatment of patients with the newly diagnosed pulmonary TB with monoresistance to pirazinamid, or its intolerance** Tatiana Butova (Kharkiv, Ukraine), Mykhailo Kuzhko, Mykola Gumeniuk, Tetiana Sprynsian, Leonid Grechanyk, Dmytro Butov

Pre-congress content Session 383 13:15 - 14:15

E-poster: Chronic airway, interstitial, pleural and neoplastic diseases

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

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

Chairs : Denis Vinnikov (Almaty, Kazakhstan), Anna-Carin Olin (Göteborg, Sweden)

PA3350	**Cluster analysis of World Trade Center (WTC) related lower airway diseases** Rafael E. de la Hoz (New York, United States of America), Yunho Jeon, John Doucette, Jonathan Weber, Anthony Reeves, Raúl San José Estépar, Juan Celedón
PA3351	**A systematic review of the occupational burden of chronic obstructive pulmonary disease in the Commonwealth of Independent States** Denis Vinnikov (Almaty, Kazakhstan), Tatsyana Rybina, Leonid Strizhakov, Sergey Babanov, Irina Mukatova
PA3352	**Respiratory health assessment in agricultural workers by job exposure matrices** Sasho Stoleski (Skopje, North Macedonia), Jordan Minov, Dragan Mijakoski, Aneta Atanasovska, Dragana Bislimovska, Jovanka Karadzinska-Bislimovska
PA3353	**Association of COPD and Asthma COPD Overlap (ACO) with World Trade Center (WTC) occupational exposure intensity** Rafael E. de la Hoz (New York, United States of America), Moshe Shapiro, Anna Nolan, Akshay Sood, James Cone, Roberto G. Lucchini, Juan C. Celedón
PA3354	**Trajectory of inhaled cadmium ultrafine particles in smokers.** Einat Fireman Klein (HAIFA, Israel), Ilan Klein, Omer Efrat, Yoram Dekel, Aharon Kessel, Yocahi Adir
PA3355	**Single Breath Nitrogen Test as predictor of lung function decline and COPD over an 8-year follow-up** Francesco Pistelli (Pisa (PI), Italy), Duane L. Sherrill, Sandra Baldacci, Sara Maio, Laura Carrozzi, Giovanni Viegi
PA3356	**Hyalyronic acid as predictor of occupational COPD exacerbation** Vasilii Fedotov (Nizhny Novgorod, Russian Federation), Blinova Tatyana, Dobrotina Irina, Khlystov Alexei
PA3357	**Evolution of the respiratory function of professional divers over a 6 year period** Aissa Sana (Sousse, Tunisia), Imene kacem, Lynn Guetari, Jihen Rejeb, Asma Chouchane, Nawel Zammit, Maher Maoua, Aicha Brahem, Houda Kalboussi, Souhail Chatti, Olfa El Maalel, Nejib Mrizak
PA3358	**Validation of the GLI 2012 African American module in adult Zimbabwean women : A cross sectional study** Shamiso Muteti-Fana (Harare, Zimbabwe), Tafadzwa Madanhire, Jafta Nkosana, Rajen Naidoo
PA3359	**Beta-catenin and periostin in interstitial pneumonia (IP) of extrinsic (EIP) and unknown (IIP) origin** Galina P. Orlova (St. Petersburg, Russian Federation), Elena A. Surkova
PA3360	**Mesothelioma in Curacao versus the Netherlands; incidence and advices for liability for compensation** Folkert Brijker (Willemstad, Curaçao), Maria Wassink, Nina Kooij, Paul Van Den Berg
PA3361	**Cancer and mortality in coal mine workers: a systematic review and meta-analysis** Sheikh Alif (Point Cook, Australia), Malcolm Sim, Deborah Glass
PA3362	**The legacy of the asbestos-cement plant of Lubudi, DR Congo.** Joseph PYANA KITENGE (Lubumbashi, Democratic Republic of the Congo), Fabian Mukonki Kyungu, Tony Kayembe-Kitenge, Abdon Mukalay Wa Mukalay, Benoit Nemery
PA3363	**Analysis of GST and TNF-a genes polymorphism association with risk development of asbestosis in workers exposed to chrysotile asbest.** Angela Basanets (Kyiv, Ukraine), Natalia Zhurakhivska, Viktor Hvozdetskyi, Tetiana Ostapenko
PA3364	**Late Breaking Abstract - Chronic air pollution exposure caused development of emphysema in rodent model: a nature route for inhalation in the urban environment** Hsiao-Chi Chuang (Taipei, Taiwan), Hsiao-Chi Chuang, Kang-Yun Lee, Ta-Chih Hsiao, Jer-Hwa Chang, Han-Pin Kuo
PA3365	**Late Breaking Abstract - Impacts on length of stay and costs associated with treating severe COVID-19 stratified by age** Daniel Gibbons (Brentford, United Kingdom), J. Morel Symons, Marguerite Bracher

Pre-congress content Session 384 13:15 - 14:15

E-poster: Cystic fibrosis in children: various aspects

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases

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

Tag(s) : COVID

Chairs : Stojka Fustik (Skopje, North Macedonia), Claire Nissenbaum (manchester, United Kingdom)

PA3366	**Trends in cystic fibrosis (CF) survival in South Africa over 40 years** Marco Zampoli (Cape Town, South Africa), Reshma Kassanjee, Janine Versraete, Anthony Westwood, Heather J Zar, Brenda M Morrow
PA3367	**Characterization of the resistance mechanisms to carbapenems and virulence genes in Pseudomonas aeruginosa strains from children with cystic fibrosis.** Zulfirya Sadeeva (Balaschiha, Russian Federation), Natalya Alyabyeva, Irina Novikova, Anna Lazareva, Yliya Gorinova, Olga Simonova
PA3368	**Feasibility of a virtual multiple breath washout training program** Jacky Wai Yeung Au (Toronto (ON), Canada), Clare Saunders, Paul Robinson, Christopher Short, Anneliese Blaxland, Ryan Alexander Seeto, Julia Guido, Sara Santos, Maryjess Pornillos, Renee Jensen, Jane Davies, Felix Ratjen
PA3369	**Correlation of the Brody high resolution computed tomography scoring system with aerobic fitness and lung function in patients with cystic fibrosis** Natália Campos (Porto Alegre, Brazil), Fernanda Vendrusculo, Ingrid Almeida, Nicolas Becker, Leonardo Pinto, Márcio Donadio
PA3370	**Immediate effect of huffing on cystic fibrosis respiratory mechanics** Tayna Castilho (Florianópolis, Brazil), Patrícia Keil, Renata Wamosy, Juliana Cardoso, Camila Schivinski
PA3371	**Recommended shielding against SARS-CoV-2 impacts physical activity levels and adherence to airway clearance therapy in patients with cystic fibrosis** Elpis Hatziagorou (Thessaloniki, Greece), Ilektra Toulia, Pavlina Peftoulidou, Eleana Kouroukli, Eleni Tasika, Elissavet-Anna Chrysochoou, John Tsanakas
PA3372	**Targeting Antibiotics to Pseudomonas aeruginosa in Small airways (TAPAS) in patients with Cystic Fibrosis** Beatrice Guidetti (Rotterdam, Netherlands), Aukje C. Bos, Els Van Der Wiel, Ilaria Meneghelli, Menno Van Der Eerden, Harm A. W. M. Tiddens, Sonia Volpi, Hettie M. Janssens
PA3373	**The effect of COVID-19 pandemic on anxiety levels of children with cystic fibrosis and healthy children** Muruvvet Cenk (Istanbul, Turkey), Cansu Yilmaz Yegit, Almala Pinar Ergenekon, Ayse Toksoy Aksoy, Gulcin Bilicen, Yasemin Gokdemir, Ela Erdem Eralp, Ayse Rodopman Arman, Fazilet Karakoc, Bulent Karadag
PA3374	**Evidence for ciliary dyskinesia in cystic fibrosis** Céline Kempeneers (Angleur, Belgium), Romane Bonhiver, Noemie Bricmont, Maud Pirotte, Catherine Moermans, Marc-Antoine Wuidart, Jessica Pirson, Renaud Louis, Marie-Christine Seghaye, Hedwige Boboli
PA3375	**Use of portable spirometers in a paediatric cystic fibrosis clinic** Karin Newton (SHEFFIELD, United Kingdom)
PA3376	**Lung function in children with cystic fibrosis liver disease** Mihaela Dediu (Timisoara, Romania), Diana Popin, Liviu Pop, Corina Pienar, Laura Savu, Ioana Mihaiela Ciuca
PA3377	**Impact of Aspergillus fumigatus infection on lung function in children with cystic fibrosis** Ludmila Balanetchi (Cluj-Napoca (Cluj), Romania), Rodica Selevestru, Mariana Cotorobai, Diana Rotaru-Cojocari, Cristina Tomacinschi, Natalia Barbova, Eva Gudumac, Svetlana Sciuca
PA3378	**Molecular genetic characteristics of Pseudomonas aeruginosa strains isolated from children with cystic fibrosis in Moscow.** Zulfirya Sadeeva (Balaschiha, Russian Federation), Irina Novikova, Natalya Alyabyeva, Anna Lazareva, Yliya Gorinova, Olga Simonova

PA3379 **Late Breaking Abstract - Effects of a new airway clearance technology in children with cystic fibrosis - A homecare randomized controlled trial**
Katarzyna Walicka-Serzysko (Warszawa, Poland), Magdalena Postek, Justyna Milczewska, Natalia Jeneralska, Aleksandra Cichocka, Ewa Siedlecka, Laurent Morin, Dorotha Sands

PA3380 **Late Breaking Abstract - Lessons from introducing DEKAs as a means of vitamin supplementation in paediatric Cystic Fibrosis patients.**
Elizabeth Bearblock (Cambridge, United Kingdom), Donna Mcshane, Helen Milroy, Stephanie Aldridge, Doxa Kotzia

PA3381 **Late Breaking Abstract - Can individualised skin prick tests detect sensitisations against colonising fungal species in cystic fibrosis patients?**
Sara Zanella (Padova, Italy), Volker Strenger, Walter Buzina, Sophie Kienreich, Markus Egger, Andreas Pfleger, Ernst Eber

PA3382 **RCT Abstract - The effect of inhaled hypertonic saline on lung structure in preschool children with cystic fibrosis**
Harm Tiddens (Rotterdam, Netherlands), Yuxin Chen, Eleni-Rosalina Andrinopoulou, Stephani D. Davis, Margaret Rosenfeld, Felix Ratjen, Richard A. Kronmal, Karen D. Stukovsky, Stephen Stick

Pre-congress content Session 385 13:15 - 14:15

E-poster: Asthma inhalers: new devices and adherence

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases Respiratory critical care

Method(s) : Imaging General respiratory patient care Respiratory intensive care Epidemiology Pulmonary function testing Public health

Chairs : Dimitrios Toumpanakis (Athens, Greece), Binita Kane (Warringtom, United Kingdom)

PA3383 **CAPTAIN: Improvements in airflow obstruction in patients with uncontrolled asthma**
Dave Singh (Manchester, United Kingdom), Zelie Bailes, Neil Barnes, Louis-Philippe Boulet, Roland Buhl , Rekha Chaudhuri, Frances Gardiner, Ian Pavord , Emilio Pizzichini , David Slade, Claus F. Vogelmeier, John Oppenheimer

PA3384 **CAPTAIN: Relationship between FEV1 reversibility at screening as a continuous variable and treatment response**
Guy Brusselle (Ghent, Belgium), Neil Barnes, Roland Buhl, Frances Gardiner, Liam G. Heaney, Hiromasa Inoue, Giselle Mosnaim, Alberto Papi, Emilio Pizzichini, Jun Tamaoki, Claus F. Vogelmeier, Agne Zarankaite, Ian Pavord

PA3385 **Mometasone/indacaterol (MF/IND) and mometasone/indacaterol/glycopyrronium (MF/IND/GLY) versus fluticasone/salmeterol (FLU/SAL) and FLU/SAL+tiotropium (TIO) in patients with inadequately controlled asthma: data from the PLATINUM program**
Richard Van Zyl-Smit (Cape Town, South Africa), Kenneth Chapman, Huib Kerstjens, Christian Gessner, Hironori Sagara, Ana-Maria Tanase, Motoi Hosoe, Xu Shu, Abhijit Pethe, David Lawrence, Hanns-Christian Tillmann, Karen Mezzi, Peter D'Andrea

PA3386 **CAPTAIN: Effects of triple therapy on FEV1 response in patients with inadequately controlled asthma on ICS/LABA**
Huib A.M. Kerstjens (Groningen, Netherlands), Carl Abbott, Louis-Philippe Boulet, Sarah Chang, Geoffrey Chupp, Jodie Crawford, Nicola A. Hanania, Robert Nathan, John Oppenheimer, Emilio Pizzichini, Hironori Sagara, William Busse

PA3387 **Efficacy of mometasone/indacaterol/glycopyrronium (MF/IND/GLY) versus fluticasone/salmeterol (FLU/SAL) in ex-smoker and never smoker patients with inadequately controlled asthma: Post hoc analysis of IRIDIUM study**
Huib A.M. Kerstjens (Groningen, Netherlands), Richard Van Zyl-Smit, Kenneth Chapman, Jorge Maspero, Motoi Hosoe, Ana-Maria Tanase, David Lawrence, Abhijit Pethe, Xu Shu, Karen Mezzi, Peter D'Andrea

PA3388 **Mometasone/indacaterol demonstrates similar efficacy in men and women: pooled analyses of PALLADIUM and IRIDIUM studies**
Christian Gessner (Leipzig, Germany), Christian Gessner, Richard Van Zyl-Smit, Dave Singh, Huib A.M. Kerstjens, Chantal Raherison-Semjen, David Lawrence, Abhijit Pethe, Ana-Maria Tanase, Karen Mezzi, Peter D'Andrea

PA3389 **Mometasone/ indacaterol/ glycopyrronium demonstrates similar efficacy in men and women: post hoc analysis of IRIDIUM study**
Chantal Raherison-Semjen (Pessac, France), Dave Singh, Huib A.M Kerstjens, Christian Gessner, Ana-Maria Tanase, David Lawrence, Abhijit Pethe, Karen Mezzi, Peter D'Andrea

PA3390 **Efficacy of mometasone/indacaterol/glycopyrronium (MF/IND/GLY) on lung function and exacerbations in patients with inadequately controlled asthma with medium-dose ICS/LABA therapy (on GINA step 4) prior to study entry: Results from IRIDIUM study**
Huib A.M. Kerstjens (Groningen, Netherlands), Jorge F Maspero, Kenneth R Chapman, Richard Van Zyl-Smit, Ana-Maria Tanase, David Lawrence, Abhijit Pethe, Karen Mezzi, Peter D'Andrea

PA3391	**Efficacy of mometasone/indacaterol/glycopyrronium (MF/IND/GLY) on lung function and exacerbations in patients with inadequately controlled asthma with high-dose ICS/LABA therapy (on GINA step 5) prior to study entry: Results from IRIDIUM study** Jorge Maspero (Ciudad Autónoma Buenos Aires, Argentina), Huib A M Kerstjens, Kenneth R Chapman, Richard Van Zyl-Smit, Ana-Maria Tanase, David Lawrence, Abhijit Pethe, Karen Mezzi, Peter D'Andrea
PA3392	**Mometasone/indacaterol/glycopyrronium (MF/IND/GLY) improves lung function and reduces exacerbations in patients with asthma, independent of baseline airflow limitation: Results from IRIDIUM study** Konstantinos Kostikas (Ioannina, Greece), Huib A M Kerstjens, Jorge F Maspero, Kenneth R Chapman, Richard N Van Zyl-Smit, Motoi Hosoe, Ana-Maria Tanase, Abhijit Pethe, Ioannis Kottakis, Peter D'Andrea
PA3393	**Self-reported vs. objectively assessed adherence to inhaled corticosteroids in asthma** Ulla Møller Weinreich (Ålborg, Denmark), Frodi Jensen, Kjell Ej Haakansson, Britt Overgaard Nielsen, Charlotte Suppli Ulrik
PA3394	**Community pharmacist counseling improves adherence and asthma control: a nationwide observational study** Barbara Putman (Amstelveen, Netherlands), Anna Vanoverschelde, Els Mehuys, Louise Coucke, Lies Lahousse
PA3395	**Use of short-acting ß2-agonists in patients with adult-onset asthma during 12-years** Iida Vähätalo (Tampere, Finland), Hannu Kankaanranta, Leena E Tuomisto, Onni Niemelä, Lauri Lehtimäki, Pinja Ilmarinen
PA3396	**Lung deposition and distribution of inhaled extra fine beclomethasone dipropionate / formoterol fumarate /glycopyrronium bromide (BDP/FF/GB) in subjects with and without airflow obstruction.** Simonetta Baldi (PARIS, France), Omar Usmani, Simon Warren, Ilaria Panni, Luca Girardello, François Rony, Glyn Taylor, Wilfried De Backer, George Georges
PA3397	**SABA use increase weeks before asthma exacerbations recorded via a digital inhaler** Mark L. Levy (London, United Kingdom), Guilherme Safioti, Michael Reich, Randall Brown, Michael Depietro
PA3398	**Real life data on the use of inhaler device, the satisfaction and the adherence of treatment evaluated by the pharmacists** Bilun Gemicioglu (Istanbul, Turkey), Nejdiye Mazican, Gunay Can, Ilkay F. Alp Yildirim, Sonmez B. Uydes Dogan
PA3399	**The sustainability agenda and inhaled therapy: what do patients want?** Charlotte Renwick (London, United Kingdom), Grainne D'Ancona, Andrew Cumella, Samantha Walker
PA3400	**Change from MDI to DPI in asthma: effects on climate emissions and disease control** Ashley Woodcock (Manchester (Greater Manchester), United Kingdom), Jamie Rees, David Leather, Lucy Frith, Magnus Lofdahl, Alison Moore, Martin Hedberg, Christer Janson
PA3401	**Efficiency of a Nebulizer Filter Kit to Prevent Environmental Contamination During Nebulizer Therapy** Mark Nagel (London (ON), Canada), Nathaniel Hoffman, Jason Suggett
PA3402	**Drug Delivery Performance and Fugitive Emission Comparison of Two Commercially Available Nebulizer Systems** Mark Nagel (London (ON), Canada), Nathaniel Hoffman, Jason Suggett

Pre-congress content Session 386 13:15 - 14:15

E-poster: Oncology, the mediastinum and infectious lung disease

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Thoracic oncology | Pulmonary vascular diseases | Airway diseases

Method(s) : Endoscopy and interventional pulmonology | Imaging | Surgery | General respiratory patient care | Epidemiology | Public health

Chairs : Michel Gonzalez (Lausanne, Switzerland), Gulia Veronesi (Milan, Italy)

PA3403	**Diagnosis and management of thoracic cystic lymphangioma** Sarra Zairi (Tunis, Tunisia), mariem hadj dahmane, Habib Besrour, Mahdi Abdennadher, Amira Dridi, Yoldoz Houcine, Mouna Attia, Faouzi Mezni, Taher Mestiri, Hazem Zribi, Adel Marghli
PA3404	**Enhanced recovery after surgery decreases pain in thoracic surgery** Abdessalem Hentati (Sfax, Tunisia), Ahmed Ben Ayed, Jihen Jdidi, Zied Chaari, Walid Abid, Abderrahmen Ammar, Ghassen Ben Hlima, Imed Frikha

PA3405	**Iterative surgical resections in non-small cell lung carcinoma** Ahmet Üçvet (Izmir, Turkey), Serkan Yazgan, Özgür Samancılar, Soner Gürsoy, Ahmet Emin Erbaycu, Berna Kömürcüoğlu
PA3406	**Middle lobe syndrome: Twenty years' surgical experience** Imen Bouassida (Ariana , Tunisia), Wifek Saidani, Bechir Ben Radhia, Hazem Zribi, Mahdi Abdennadher, Nidhal Balloumi, Yoldez Houcine, Sarra Zairi, Adel Marghli
PA3407	**Role of the pulmonologist in a thoracic surgery department** Carla Suarez Castillejo (Palma de Mallorca, Spain), Nuria Toledo Pons, Juan Antonio Torrecilla Medina, Valerio Perna Perna, Orlando Gigirey Castro, Elisabet Arango Tomas, Angel Francisco Carvajal Carrasco, Ernest Sala Llinas
PA3408	**MANAGEMENT OF PULMONARY METASTASIS OF COLO-RECTAL CANCERS** mahdi Abdennadher (Ariana, Tunisia), amina abdelkbir, Imen Bouassida, Bechir Ben Rathia, Nidhal Balloumi, Hazem Zribi, Sarra Zairi, Adel Marghli
PA3409	**HEMATEMESIS AS UNIQUE PRESENTING SYMPTOM OF TYPICAL PULMONARY CARCINOID IN A 13-YEARS-OLD GIRL** Manuela Seminara (Bergamo, Italy), Paola Ciriaco, Ahmad Kantar, Ilaria Dalla Verde, Marta Odoni, Angelo Carretta, Giampiero Negri
PA3410	**Lung carcinoid tumors: the five-year experience of a portuguese thoracic department** Joana Rodrigues Barbosa (Lisboa, Portugal), Magda Alvoeiro, Mariana Antunes, Cláudia Sousa, Sara Salgado, Cristina Rodrigues
PA3411	**Secondary pleural hydatidosis: complication of abdominal hydatid cysts** Imen Bouassida (Ariana , Tunisia), ghazouani atef, Bouassida Imen, Abdennadher Mahdi, Hazem Zribi, Ben Mansour Amani, Ouerghi Sonia, Zairi Sarra, Marghli Adel
PA3412	**Impact of the evolutionary stage of pulmonary hydatid cyst on the postoperative course** Abdessalem Hentati (Sfax, Tunisia), Walid ABID, Zied Chaari, Aymen Ben Ayed, Imed Frikha
PA3413	**Secondary bronchogenic pulmonary hydatidosis: a rare entity** Imen Bouassida (Ariana , Tunisia), Rime Essid, Amina Abdelkbir, Hazem Zribi, Habib Bessrour, Mariem Affes, Sonia Ouergui, Sarra Zairi, Adel Marghli
PA3414	**Patients managed for a lung hydatid cyst : what do they know about their pathology ?** Sarra Zairi (Tunis, Tunisia), Dorra Jarraya, Mehdi Abdennadher, Hazem Zribi, Hela Kamoun, Amira Dridi, Hedia Bellali, Tahar Mestiri, Adel Marghli
PA3415	**Chest wall hydatid cyst: an unusual localization** Abdessalem Hentati (Sfax, Tunisia), Aymen Ben Ayed, Walid Abid, Zied Chaari, Ahmed Ben Ayed, Imed Frikha
PA3416	**Primary heterotopic pleural hydatidosis: a rare entity** Imen Bouassida (Ariana , Tunisia), Rime Essid, Mahdi Abdennadher, Chaker Jaber, Sarra Zairi, Henda Neji, Amira Dridi, Hazem Zribi, Adel Marghli
PA3417	**SURGICAL MANAGEMENT OF PULMONARY ARTERIOVENOUS MALFORMATIONS** mahdi Abdennadher (Ariana, Tunisia), Rime Essid, Hazem Zribi, Sarra Zairi, Imen Bouassida, Henda Neji, Sonia Ouerghui, Mouna Mlika, Adel Marghli
PA3418	**Ectopic mediastinal thyroids: Surgical management and outcomes** Kenan Can Ceylan (İzmir, Turkey), Güntuğ Batıhan, Şeyda Örs Kaya
PA3419	**Mediastinal schwannoma** Imen Bouassida (Ariana , Tunisia), Rime Essid, Amina Abdelkbir, Hazem Zribi, Amani Ben Mansour, Ayda Ayedi, Sonia Ouerghui, Adel Marghli
PA3420	**Thymectomy in the Management of juvenile myasthenia gravis** mahdi Abdennadher (Ariana, Tunisia), Mariem Hadj Dahmane, WIFEK SAIDANI, Hazem Zribi, Sarra Zairi, Imen Bouassida, Sonia Ouerghi, Adel Marghli

Pre-congress content Session 387 13:15 - 14:15

E-poster: Biomarkers to phenotype COPD: prediction of exacerbations

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Disease(s) : Airway diseases

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

Chairs : Zsófia Lázár (Budapest, Hungary), Pierre-Régis Burgel (Paris, France)

PA3421	**Proteobacteria phylum association with airway- and emphysema-dominant COPD phenotypes defined by computed tomography** Mohammadali Yavari Ramsheh (Leicester (Leicestershire), United Kingdom), Kairobi Haldar, Mike Barer, Deepak Subramanian, David Parr, Loems Ziegler-Heitbrock, Ivo Gut, Dave Singh, Chris Brightling
PA3422	**Real-world exacerbation rates in Japanese patients with COPD: results from the EXACOS observational cohort study** Bo Ding (Mölndal, Sweden), Rebecca Zaha, Masato Ishida, Sophie Graham, Ai Hayashi, Sam Huse, Hana Müllerová, Shigeo Muro
PA3423	**Expression of CD282+/CD284+ on blood granulocytes and its relationship to cytokine status in patients with stable chronic obstructive pulmonary disease** Yulia Denisenko (Vladivostok, Russian Federation), Tatyana Vitkina , Karolina Sidletskaya
PA3424	**Fat-Free Mass Index and functional limitation in COPD** Sahnoun Mariam (Sfax, Tunisia), Kchaou Khouloud, Haddar Asma, Chakroun Sahar, Masmoudi Kaouthar
PA3425	**Is there an endotype to the treatable eosinophilic trait of chronic obstructive pulmonary disease (COPD)** Olivia Walsh (Shropshire, United Kingdom), Manoj Marathe, Harmesh Moudgil, Koottalai Srinivasan, Emma Crawford, Annabel Makan, Nawaid Ahmad
PA3426	**Small Airways Disease and Emphysema (Assessed by High-Resolution CT) and Symptom Burden in COPD** Nicolai Obling (Kgs. Lyngby, Denmark), Bojidar Rangelov, Vibeke Backer, John R Hurst, Uffe Bodgter
PA3427	**Clinical, functional, radiologic and quality of life characteristics in PI*SZ Alpha 1-Antitrypsin Deficiency (AATD) compared to PI*ZZ, PI*MZ and COPD without AATD: a retrospective cohort study.** Claudio Tirelli (Vaiano Cremasco (CR), Italy), Stefania Ottaviani, Davide Piloni, Valentina Barzon, Alice Maria Balderacchi, Deborah Ambruoso, Alessandra Corino, Francesca Mariani, Ilaria Ferrarotti, Angelo Guido Corsico
PA3428	**The Correlation Between COPD Severity and The Left Ventricular Function** jihen Ben Halima (Tunis, Tunisia), Asma Saidane, Emna Ben Jemai, Manel Ben Halima, Haifa Zaibi, Hichem Aouina
PA3429	**What makes Alpha1-antitrypsin deficiency patients exacerbate: a 5-year cohort** Nuno Faria (Porto, Portugal), Maria Inês Costa, Joana Gomes, Maria Sucena
PA3430	**COPD phenotypes on computed tomography and its relationship with exercise and ventilatory function** Lídia Marília Valente Marques Sousa Gomes (São Pedro do Sul, Portugal), Sofia Rodrigues Sousa, João Nunes Caldeira, Samuel Pereira, Alexandra Tenda Cunha, Inês Farinha, Cidália Rodrigues
PA3431	**Brainstem auditory evoked potential in COPD patients : a comparative study** asma haddar (Sfax, Tunisia), Ines Kammoun, Rim Kammoun, Khouloud Kchaou, Ghazi Sakly, Khaouthar Masmoudi
PA3432	**Nutritional status in patients with chronic obstructive pulmonary disease - a first multi-centre experience in Croatia** Davorka Mursic (Zagreb, Croatia), Tajana Jalusic Gluncic, Jelena Ostojic, Sanda Skrinjaric-Cincar, Ljiljana Bulat Kardum, Martina Dokoza, Alma Rozman, Natasa Karamarkovic Lazarusic, Erim Besic, Miroslav Samarzija, Andrea Vukic Dugac
PA3433	**Are there correlations between composite indexes and quality of life in COPD? DOSE vs ADO** Khouloud Kchaou (Sfax, Tunisia), Asma Chaker, Soumaya Khaldi, Sahar Chakroun, Salma Mokaddem, Saloua Jameleddine
PA3434	**Association of GDF-15 with 6 minute walking test.** Carlos Antonio Amado Diago (Santander (Cantabria), Spain), Paula Martín Audera, Daymara Boucle Tirador, Mayte García-Unzueta, Milagros Ruiz De Infante Pérez, Ana Berja, Armando Raúl Guerra, Bernardo Alio Lavin, Sheila Izquierdo Cuervo, Guido Andretta, Marta Cristeto, Joy Selene Osorio Chaves, Laura González, Noelia Borja Vargas, Juan Agüero, Diego Ferrer Pargada, Begoña Josa Laorden
PA3435	**Maximal respiratory pressures in COPD: What are the influencing factors?** Raquel Barros (Lisboa, Portugal), Liliana Raposo, Nuno Moreira, Margarida Rocha, Paula Calaça, Inês Spencer, Ana Sofia Oliveira, Cristina Bárbara
PA3436	**Validation of COPD population screener (COPD-PS) questionnaire in a community-based setting of Nepal** Tara Ballav Adhikari (Kathamndu, Nepal), Pawan Acharya, Marieann Hogmann, Brendan Cooper, Raju Pangeni, Arjun Karki, Torben Sigsgaard, Dinesh Neupane, Per Kallestrup

PA3437 **Paradoxical bronchoconstriction after administration of beta-2 agonist bronchodilators in COPD patients**
Patricia Sobradillo Ecenarro (Bilbao (Bizkaia), Spain), Nuria Marina, Silvia Pérez-Fernández, Eva Tabernero, Milagros Iriberri, Bartolomé Celli

PA3438 **Distance estimation and functional distance perception in patients with Chronic Obstructive Lung Disease (COPD).**
Anne O'Mahony (Dripsey (County Cork), Ireland), Barry Nolan, Anna Mcdonough, Emer Kelly

PA3439 **Characterization of lung volumes in COPD**
Liliana Raposo (Queijas, Portugal), Raquel Barros, Ana Sofia Oliveira, Cristina Bárbara

PA3440 **Is FEV1/FEV6 ratio a reliable tool in COPD diagnosis ?**
Sahar Chakroun (Sfax, Tunisia), Asma Chaker, Salma Mokaddem, Khouloud Kchaou, Saloua Jameleddine

Pre-congress content Session 388 13:15 - 14:15

E-poster: Digital health interventions in respiratory medicine

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases | Interstitial lung diseases | Pulmonary vascular diseases | Respiratory critical care | Sleep and breathing disorders

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

Tag(s) : Digital health

Chairs : Vitalii Poberezhets (Vinnytsia, Ukraine), Annette Kainu (Helsinki, Finland)

PA3441 **Web-based support for self-management strategies versus usual care for people with COPD: 3 months follow up in a randomised controlled trial.**
Tobias Stenlund (Umeå, Sweden), Andre Nyberg, Karin Wadell

PA3442 **Deep learning algorithm for the classification of spirometries using flow-volume curves: proof of concept study**
Konstantinos Exarchos (Ioannina, Greece), Dimitrios Potonos, Agapi Aggelopoulou, Agni Sioutkou, Konstantinos Kostikas

PA3443 **Pulmonologists collaborate with explainable artificial intelligence for superior interpretation of pulmonary function tests**
Nilakash Das (Leuven, Belgium), Sofie Happaerts, Marko Topalovic, Wim Janssens

PA3444 **Feasibility of smartphone-based physical activity tele-coaching in lung transplant recipients**
Emily Hume (Newcastle Upon Tyne, United Kingdom), Hazel Muse, Kirstie Wallace, Mick Wilkinson, Karen Heslop Marshall, Arun Nair, Jose Sanchez, Josep Benavent, Jim Roldan, Stephen Clark, Ioannis Vogiatzis

PA3445 **Development and testing of Walk.Talk.Track. app - a wearables-based platform for mobile 6MWT monitoring**
Ryan Anderson (Oakland, United States of America), Vladimir Glinskii, Alejandra Lopez, Aileen Lin, Patricia Del Rosario, Steve Hershman, John Hess, Vinicio De Jesus Perez, Roham Zamanian

PA3446 **Pre-post evaluation of healthcare resource utilization (HCRU) among patients with COPD enrolled in a digital health intervention.**
Thomas Brazeal (Orange, United States of America), Leanne Kaye, Rahul Gondalia, Marwa Bassiouni, Meredith Barrett, David Stempel

PA3447 **Multilabel classification of disease prediction in patients presenting with dyspnea**
Fabienne Jaun (Liestal, Switzerland), Justus Baarts, Stéphanie Giezendanner, Giorgia Lüthi-Corridori, Michael Brändle , Thomas Dieterle, Luca Gabutti , Angelika Hammerer-Lercher , Paul Hasler , Katja Henny-Fullin, Jürgen Muser , Gregor Leibundgut, Anne Leuppi-Taegtmeyer , Corinne Punsap Marbet , Christian Schraner , Jörg D. Leuppi

PA3448 **Prompting sedentary behaviour change in COPD: Acceptability and feasibility of wearable device**
Wade Michaelchuk (Toronto, Canada), Anne-Marie Selzler, Roger Goldstein, Dina Brooks

PA3449 **A systematic review to assess the components of clinical decision support systems (CDSS) in chronic respiratory disease (CRD) and their relevance to physiotherapy management**
Katherine O'Neill (Belfast, United Kingdom), Katherine O'Neill, Helen Parrott, Rebecca Mc Grath, Curtis Neilly, Judy. M. Bradley

PA3450 **Machine learning for estimating individual treatment effects in randomized controlled trials**
Kenneth Verstraete (Leuven, Belgium), Nilakash Das, Iwein Gyselinck, Maarten De Vos, Wim Janssens

PA3451 **Quantitative assessment of breath sound above the trachea in children with asthma**
Evgenii Furman (Perm (Perm Krai), Russian Federation), Ekaterina Khuzina, Sergey Malinin, Alexander Kasyanov, Mariya Ponomareva, Yulya Aliyeva, Nataliya Kalinina, Irina Hatmulina, Vladimir Sokolovsky, Gregory Furman

PA3452 **Pan-Canadian Respiratory Standards Initiative for Electronic Health Records (PRESTINE): Validation of a Severe Asthma Algorithm**
Alison Morra (Kingston, Canada), Emma Bullock, Noah Tregobov, Delanya Podgers, Catherine Lemiere, M.Diane Lougheed

PA3453 **Remote monitoring of lung function in asthmatic children with telespirometry**
József Tolnai (Szeged, Hungary), Ferenc Peták, Roberta Südy, Gergely H. Fodor, Zoltán Novák

PA3454 **Cystic fibrosis internet postings; a two year comparative study 2015 & 2019**
Tamara Vagg (Cork, Ireland), David Morrissy, Nicola J. Ronan, Mairead Mccarthy, Claire Fleming, Yvonne Mccarthy, Sabin Tabirca, Barry J. Plant

PA3455 **Efficacy of instant messages applications in smoking cessation in patients with COPD.**
Kostiantyn Dmytriiev (Vinnitsya, Ukraine), Nataliia Slepchenko, Yuriy Mostovoy, Dmytro Dmytriiev, Kateryna Dmytriieva

PA3456 **Automatic lung sound analysis accuracy: a validation study**
Alexander Mathioudakis (Stockport, United Kingdom), Olga Kharevich, Elena Lapteva, Irina Kovalenko, Elena Katibnikova, Anastasia Pozdnyakova, Anatoliy Laptev, Valentin Korovkin, Irina Bezruchko, Galina Novskaya, Irina Lantuchova, Ekaterina Monosova, Maria Zhurovich, Ivan Dulub, Olga Adamovich, Viktoria Hotko, Helena Binetskaya, Aleksey Karankevich, Vitali Dubinetski

PA3457 **Barriers and enablers of attendance to a virtual pulmonary rehabilitation programme**
Maria Koulopoulou (London, United Kingdom), Victoria Meyrick, Michelle Johnson, Gemma Kerslake, Peter Cho, Laura-Jane Smith, Charles Reilly, Irem Patel

Pre-congress content Session 389 13:15 - 14:15

E-poster: Primary ciliary dyskinesia and tracheostomy

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases

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

Chairs : Myrofora Goutaki (Bern, Switzerland), Sarah Brown (Ashford (Kent), United Kingdom)

PA3458 **Development and first results of the BEAT-PCD international Primary Ciliary Dyskinesia gene variant database: CiliaVar**
Mani Rahma (Sousse, Tunisia), Mafalda Gomes, Adrián Rodríguez González, Claire Hogg, Deborah Morris-Rosendahl, Bernard Maitre, Mahmoud R Fassad, Myrofora Goutaki, Jane S Lucas, Amelia Shoemark, Hannah M Mitchison, Marie Legendre, Suzanne Crowley

PA3459 **Diagnosis of Primary Ciliary Dyskinesia: Discrepancy according to different algorithms**
Loretta Müller (Bern, Switzerland), Mirjam Nussbaumer, Elisabeth Kieninger, Stefan A. Tschanz, Sibel T Savas, Myrofora Goutaki, Claudia E Kuehni, Sylvain Blanchon, Philipp Latzin

PA3460 **Comparison Of Lung Clearence Index, Impulse Oscillometry And Spirometry in Children With Primary Ciliary Dyskinesia**
Pinar Ergenekon (Istanbul, Turkey), Utku Batu, Ela Erdem Eralp, Cansu Yilmaz Yegit, Muruvvet Cenk, Yasemin Gokdemir, Bulent Karadag

PA3461 **Service delivery models for primary ciliary dyskinesia, an international comparison**
Bruna Rubbo (Southampton (Hampshire), United Kingdom), Laura Behan, Corine Driessens, Rodrigo Athanazio, Antony Terance Benjamin, Veerappan Ramamoorthi Ram Ganesh, Johnny Goodwin, Bulent Karadag, Panayiotis Kouis, Ana Reula Martin, Kim Nielsen, Mary Anne Olm, Heymut Omran, Jean-Francois Papon, Andreia Pinto, Nisreen Rumman, Deborah Snijders, Zorica Zivkovic, Camille Parsons, Claudia E Kuehni, Jane S Lucas

PA3462 **Respiratory symptoms and physical activity in patients with Primary Ciliary Dyskinesia in Switzerland**
Yin Ting Lam (Bern, Switzerland), Leonie Hüsler, Eugenie Collaud, Eva Pedersen, Claudia Kuehni, Myrofora Goutaki

PA3463 **Does nasal irrigation (NI) improve outcomes in children with primary ciliary dyskinesia (PCD)?: a scoping review**
Amanda Lea Harris (Southampton (Hampshire), United Kingdom), Jane Lucas, Myrofora Goutaki

PA3464 **The role of genetics in diagnosing primary ciliary dyskinesia (PCD) in pediatric patients in Gothenburg, Sweden.**
Christina Kavouridou (Brämhult, Sweden), Karsten Kötz

PA3465 **Case series of 25 children with Primary Ciliary Dyskinesia (PCD): evolution over the last 33 years**
Sergio Iniesta González (Valencia, Spain), Diannet Quintero García, Ángela Moreno Palomino, Ana Barrés Fernández, Silvia Castillo Corullón

PA3466 **Face mask usage against SARS-CoV-2 among people with primary ciliary**
Eva Sophie Lunde Pedersen (Bern, Switzerland), Eugénie N R Collaud, Rebeca Mozun, Katie Dexter, Catherine Kruljac, Hansruedi Silberschmidt, Jane S Lucas, Myrofora Goutaki, Claudia E Kuehni

PA3467 **Depression and anxiety in mothers of home ventilated children before and during COVID-19 pandemic**
Pinar Ergenekon (Istanbul, Turkey), Cansu Yilmaz Yegit, Muruvvet Cenk, Nilay Bas Ikizoglu, Emine Atag, Yasemin Gokdemir, Ela Erdem Eralp, Bulent Karadag

PA3468 **Effect of standardized hands-on-training in caregivers of children with tracheostomy**
Nilay Bas Ikizoglu (Istanbul, Turkey), Cansu Yilmaz Yegit, Ayse Ayzit Kilinc, Aynur Gulieva, Emine Atag, Hakan Yazan, Sinem Can Oksay, Ebru Kostereli, Selcuk Uzuner, Zeynep Reyhan Onay, Evrim Hepkaya, Almala Pinar Ergenekon, Mine Kalyoncu, Fusun Unal , Deniz Mavi, Yetkin Ayhan, Abdulhamit Collak, Muruvvet Cenk, Huseyin Arslan, Azer Kilic Baskan, Gulay Bilgin, Pinar Ay, Sedat Oktem, Yasemin Gokdemir, Zeynep Seda Uyan, Erkan Cakir, Saniye Girit, Haluk Cokugras, Bulent Karadag, Fazilet Karakoc, Ela Erdem Eralp

PA3469 **The effect of training the health care providers with simulation model on the care of patients with chronic tracheostomy**
Pinar Ergenekon (Istanbul, Turkey), Zeynep Seda Uyan, Emine Atag, Yasemin Gökdemir, Ozan Gökler, Pınar Ay, Nilay Baş Ikizoğlu, Mürüvvet Cenk, Ela Erdem Eralp, Ulufer Sivrikaya, Saniye Girit, Erkan Çakır, Ayşe Ayzıt Kılıç, Hakan Yazan, Sinem Can Oksay, Evrim Hepkaya, Bülent Karadağ, Fazilet Karakoç, Sedat Öktem

PA3470 **Respiratory Issues in patients with Spinal Muscular Atrophy (SMA) type 1, Treated with Disease-Modifying Therapy**
Mirella Gaboli (Sevilla, Spain), Mercedes López-Lobato, Marcos Madruga-Garrido, Macarena Borrero-Rodriguez, Alejandro Palomo-Pavón, Rocio Escudero-Ávila

Pre-congress content Session 390 13:15 - 14:15

E-poster: COVID - 19

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

Method(s) : Respiratory intensive care | Public health | General respiratory patient care | Epidemiology | Cell and molecular biology | Imaging

Tag(s) : COVID

Chairs : Jennifer Cane (Oxford (Oxfordshire), United Kingdom), Chair to be confirmed

PA3471 **Correlation between initial oxygen desaturation and initial chest scan findings of COVID19**
arbia chaieb (Tunis, Tunisia), Sarra Maazaoui, Sonia Habibech, Mariem Friha, Tasnim Zneigui, Neder Mefteh, Slim Ghdira, Hajer Racil, Nawel Chaouch

PA3472 **Blood lactate level in patients with severe COVID-19: Does it have any added value?**
Raghda Hassan (Telford, United Kingdom), H Moudgil, E J Crawford, A Makan, S Srinivasan, N Ahmad

PA3473 **Predicting mortality in patients admitted to hospital with COVID-19 infection: a retrospective analysis of data for a District General Hospital in the United Kingdom**
Colette Davidson (Dundee (Angus), United Kingdom), Huw Ellis, Rochelle Arulanandam, Dileep Nair, Haleema Siddique, Eleanor Tindall, Efstathia Venizelou, Andrew Womersley, Charlotte Campbell, Mitra Shahidi

PA3474 **Rapid SARS-CoV-2 antigen testing compared with RT-qPCR in patients suspected for COVID-19**
Gorica Popova (Skopje, North Macedonia), Katerina Boskovska, Ivana Arnaudova Danevska

PA3475 **Severe COVID-19 patients : predictive factors for high oxygen requirement**
Samia Essebaa (Ariana, Tunisia), Selsabil Daboussi, Samira Mhamdi, Nouha Boubaker, Islem Mejri, Chiraz Aichaouia, Zied Moatemri, Mohsen Khadhraoui

PA3476	**Sarcopenia prevalence in recovered of COVID-19 patients.** María Fernanda Salgado Fernández (México City, Mexico), María Fernanda Salgado Fernández, Dulce González Islas, Arturo Orea Tejeda, Carlos Sánchez Moreno, Samantha Hernández López, Susana Galicia Amor, Rodrígo Hernández Zenteno, Viridiana Peláez Hernández, Oscar Vázquez Díaz, Juan Orozco Gutiérrez
PA3477	**CT quantification of lung lesions as a prognostic factor for severe lung damage in COVID-19 patients** Hela Cherif (Tunis, Tunisia), Bochra Karaborni, Amine Boufaress, Zeyneb Teyeb, Syrine Belakhel, Marwa Bougacha, Mariem Triki, Ferdaous Yangui, Mohamed Ridha Charfi
PA3478	**COVID-19: the day after** Elvira Markela Antonogiannaki (Athens, Greece), Konstantinos Thomas, Dimitra Kavatha, Effrosyni D. Manali, Dimitrios Konstantonis, Nikolaos Achilleas Arkoudis, Athanasios Tsochatzis, Pinelopi Kazakou, Sotiria Grigoropoulou, Christos Psarrakis, Maria Paneta, Maria Kallieri, Chrysanthi Oikonomopoulou, Stylianos Loukidis, Anastasia Antoniadou, Spyros A. Papiris
PA3479	**Mortality after hospitalisation for COVID19, and identification of prognostic factors on admission that increase mortality risk** Kristian Brooks (North Shields (Tyne and Wear), United Kingdom), Stephen Murphy, Matthew Dickson, Louise Robinson, Natalie Cummings, Fatima Khalil, Mohammad Fayaz
PA3480	**Differences between characteristics of patients admitted for Covid 19 between the first and second waves** Ana Maria Aguilar Galvez (MALAGA, Spain), Esther Sanchez Alvarez, Alvaro Martinez Mesa
PA3481	**Factors associated with admission of COVID-19 patients in intensive care unit** Alain BAKEBE (Longjumeau, France), Daniel Cobarzan, Kamel Chaouche, Gerard Oliviero, Florence Durup, Sarah Benhamida, Laurent Decoux
PA3482	**Psychiatric complications of COVID-19 pneumonia: preliminary results of a single-centre prospective study.** Michael Brovko (Moscow, Russian Federation), Pavel Potapov, Alexandra Yakovleva, Alexey Volkov, Marina Kinkulkina, Yulia Tikhonova, Sergey Moiseev
PA3483	**Pneumomediastinum in patients with Covid-19 pneumonia - case series** Daniela Stefana Gologanu (Bucuresti (Sector 1), Romania), Valentin Nedelcu, Victorita Micu, Ion Andrei Ion, Lelia Iliescu, Marius Ioan Balea
PA3484	**The dual-use of nasal strip in the surveillance of active and convalescent SARS-CoV-2 cases** Renee WY Chan (Hong Kong, Hong Kong), Joseph G S Tsun, Shaojun Liu, Grace C Y Lui, Kate C C Chan, Kathy Y Y Chan, Rita W Y Ng, Paul K S Chan, Albert M Li, Simon Lam
PA3485	**Residual symptoms in moderate to severe COVID-19 patients** SABRINE ELFIDHA (TUNIS, Tunisia), Sabrine Louhaichi, Ikbel Khalfallah, Safa Marzouki, Line Kaabi, Rihab Jebeli, Mohamed Ali Kharrat, Jamel Ammar, Besma Hamdi, Agnes Hamzaoui
PA3486	**Minimizing aerosol leakage for nebulizer treatment in the COVID-19 pandemic** Iris Lauwers (Eindhoven, Netherlands), Mylene G.H. Frankfort, Sjoerd Dijkstra, Emerentia M.C. Pruijn, Liza H.G. Boormans, Romy T.J. Lauwers, Irene S. Lensen, Tim De Jong, Lex P.B. Verberne, Iris M.E. Idema, Nico A. Schouten, Corrinus C. Van Donkelaar, Hettie M. Janssens
PA3487	**An evaluation of neutrophils in COVID-19 patients** sandra Ekstedt (Solna, Sweden), Krzysztof Piersiala, Åsa Kågedal, Marianne Petro, Susanna Kumlien Georén, Lars Olaf Cardell
PA3488	**Are white blood cells count, neutrophil-to-lymphocyte ratio, lymphocyte to monocyte ratio and platelet-to-lymphocyte ratio associated with severe COVID-19 infection?** Aissa Sana (Sousse, Tunisia), Benzarti Wafa, Hajjej Sabri , Knaz Asma, Abdelghani Ahmed, Garrouche Abdelhamid, Hayouni Abdelaziz, Benzarti Mohamed , Gargouri Imen
PA3489	**Prognostic value of neutrophil-to-lymphocyte ratio in hospitalized patients with COVID-19** Nouha Boubaker (Nabeul, Tunisia), Besma Hamdi, Sabrine Louhaichi, Ikbel Khalfallah, Mariem Ferchichi, Safa Belkhir, Jamel Ammar, Agnès Hamzaoui
PA3490	**Urinalysis parameters as a useful tool to predict severity in coronavirus disease 2019 (COVID19)** Warda Jelassi (TUNIS, Tunisia), Meriem Mjid, Yosra Yahia, Y Messaoudi, Saoussen Khiari, Asma Allouche, Marwa Klila, Yacine Ouahchi, Mahdi Gharbi, Sana Cheikhrouhou, Hamida Maghraoui, Foued Daly, Samira Merai, Sonia Toujani, Besma Dhahri

Pre-congress content Session 391 13:15 - 14:15

E-poster: Challenging problems in lung transplantation

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

Method(s) : Respiratory intensive care | Surgery | Transplantation | General respiratory patient care | Pulmonary function testing | Epidemiology | Physiology

Chairs : Berta Saez Gimenez (Sant Cugat del Vallès (Barcelona), Spain), Merel Hellemons (Rotterdam, Netherlands)

PA3491	**Lung transplantation for COVID-19 induced ARDS: a single-center experience** Christian Lang (Vienna, Austria), Panja M Boehm, Peter Jaksch, Gabriella Muraközy, Alberto Benazzo, Stefan Schwarz, Thomas Schweiger, Peter-David Berend, György Lang, Jose R. Matilla, Mir Alireza Hoda, Bernhard Moser, Shahrokh Taghavi, Walter Klepetko, Konrad Hoetzenecker
PA3492	**Short and mid-term outcomes of lung transplant recipients with COVID-19** Sofie Happaerts (Leuven, Belgium), Natalie Lorent, Jonas Yserbyt, Lieven J. Dupont, Christophe Dooms, Pascal Van Bleyenbergh, Bart M. Vanaudenaerde, Stijn E. Verleden, Laurens J. Ceulemans, Dirk E. Van Raemdonck, Geert M. Verleden, Robin Vos, Laurent Godinas
PA3493	**Covid 19 in a lung transplant population** Jana Kleinerová (Dublin 5, Ireland), Agnieszka Blum, Patricia Ging, Michelle A Murray, Peter O'Gorman, Jim J Egan
PA3494	**Cryptococcus infections in cardiothoracic transplant recipients – a variable journey** Roopam Sehajpal (New Delhi (Delhi), India), Kavita Dave, Darius Armstrong-James, Martin Carby, Owais Dar, Anna Reed, Vicky Gerovasili
PA3495	**Surveillance bronchoscopy in cystic fibrosis transplanted patients is safe and effective.** Mariaenrica Tine (Padova (PD), Italy), Marco Damin, Davide Biondini, Michele Rizzo, Giulia Andreotti, Simone Petrarulo, Erica Bazzan, Graziella Turato, Federico Rea, Fiorella Calabrese, Elisabetta Balestro, Manuel G. Cosio, Marina Saetta
PA3496	**Single centre lung transplant experience of customised biodegradable stents in the early post-lung transplant period.** Vicky Gerovasili (OXFORD, United Kingdom), Kavita Dave, Fauzia Imam, Nora Mayer, Nizar Asadi, Martin Carby, Anna Reed
PA3497	**Airway oscillometry after single lung transplantation is characterised by abnormal respiratory reactance** Joan P.Y. Sim (Sydney, Australia), David R. Darley, Kristopher Nilsen, Riva Shirol, Brigitte M. Borg, Jaideep Vazirani, Bronwyn Levvey, Gregory Snell, Marshall Plit, Katrina O. Tonga
PA3498	**Prognostic significance of amino-terminal pro-brain natriuretic peptide testing among waitlisted lung transplant candidates** shimon izhakian (Petach Tikva, Israel), Assaf Frajman, Lev Freidkin, Mordechai Kramer
PA3499	**Late Breaking Abstract - Prognostic impact of decreased erector spinae muscle radiographic density after lung transplantation** Yohei Oshima (Kyoto, Japan), Susumu Sato, Toyofumi F. Chen-Yoshikawa, Daisuke Nakajima, Yuji Yoshioka, Ryota Hamada, Ayumi Otagaki, Manabu Nankaku, Hiroshi Date, Shuichi Matsuda

Pre-congress content Session 392 13:15 - 14:15

E-poster: COPD burden, epidemiology and management

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Disease(s) : Airway diseases

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

Chairs : Morten Dahl (Køge, Denmark), Sanne van Kampen (Leiden, Netherlands)

PA3500	**Prognostic differences between heart failure with preserved versus reduced ejection fraction in people with COPD** Claudia Gulea (London, United Kingdom), Rosita Zakeri, Jennifer K Quint
PA3501	**To achieve only primary education is associated with COPD and poor prognosis** Anne Lindberg (Boden, Sweden), Linnea Hedman, Caroline Stridsman, Christian Schyllert, Eva Rönmark, Helena Backman

PA3502	**Identification and analysis of clinical phenotypes in COPD patients: PALOMB Cohort** El-hassane Ouaalaya (Bordeaux, France), Maéva Zysman, Émilie Berteaud, Laurent Falque, Emmanuel Monge, Laurent Nguyen, Annaig Ozier, Jean Michel Dupis, Marielle Sabatini, Cécilia Nocent-Ejnaini, Laura Petrov, Alain Bernady, Christophe Roy, Frédéric Le Guillou, Mohammed Aliati, Anne Prudhomme, Marie Line Quinquenel, Mohammed Staali, Frederic Pilard, Esther Iglesias, Marc Sapène, Julien Casteigt, Jean Moinard, Yannick Daoudi, Élodie Blanchard, Julie Macey, Rémi Veillon, Xavier Demant, Claire Bon, Leo Grassion, Mathieu Molimard, Chantal Raherison-Semjen
PA3503	**Social distancing and admissions for severe exacerbations of COPD – a nationwide study** Mohamad Isam Saeed (Copenhagen C, Denmark), Pradeesh Sivapalan, Josefin Eklöf, Charlotte Ulrik, Andrea Browatzki, Ulla Weinreich, Torben Jensen, Tor-Biering Sørensen, Jens-Ulrik Jensen
PA3504	**The association of comorbidity clusters with long-term survival and incidence of exacerbation in a COPD cohort. The HUNT Study, Norway.** Sigrid Anna Vikjord (Levanger, Norway), Ben Michael Brumpton, Xiao-Mei Mai, Lowie Vanfleteren, Arnulf Langhammer
PA3505	**Undiagnosed COPD in adults 40 years and older: Reports from the Tunisian Population-Based Burden of Obstructive Lung Disease Study** Meriam Denguezli (Sousse, Tunisia), Hager Daldoul, Nadia Lakhdar, André Amaral, Peter Burney
PA3506	**The population risk attribution associated with chronic airway obstruction from the results of the Canadian Obstructive Lung Disease study.** Wan Cheng Tan (Vancouver (BC), Canada), Pei Li, Rena Choi, Jean Bourbeau, Shawn Aaron, Clarus Leung, Francois Maltais, Paul Hernandez, Kenneth Chapman, Brandie Walker, Darcy Marciniuk, Denis O'Donnell, James Hogg, Jeremy Road, Mark Fitzgerald, Andre Amaral, William Vollmer, Peter Burney, Sonia Buist, Don Sin
PA3507	**Treatment for chronic obstructive pulmonary disease prior to early permanent detachment from the workforce** Peter Ascanius Jacobsen (Aalborg, Denmark), Kristian Kragholm, Ulla Møller Weinreich, Christian Torp-Pedersen
PA3508	**Workforce connection at first admission with AECOPD and age at permanent detachment** Peter Ascanius Jacobsen (Aalborg, Denmark), Kristian Kragholm, Christian Torp-Pedersen , Ulla Weinreich
PA3509	**Respiratory morbidity in Nepali communities: a cross-sectional analysis** Charlotte Bolton (Nottingham (Nottinghamshire), United Kingdom), Sanjib Kumar Sharma, Om Prakash Kurmi, Bruno Lab, François Chappuis, Olivia Heller, S Lohani, P Gautam, Ian Hall
PA3510	**Prevalence and risk factors of chronic cough among adult in Nepal: results from a community-based study (COBIN-P)** Tara Ballav Adhikari (Kathamndu, Nepal), Marieann Hogmann, Brendan Cooper, Anupa Rijal, Arne Drews, Arjun Kark, Torben Sigsgaard, Dinesh Neupane, Per Kallestrup
PA3511	**Lifetime spirometric patterns of obstruction and restriction: risk factors and outcomes** Shyamali Dharmage (Carlton Victoria, Australia), Dinh Bui, Haydn Walters, Andrian Lowe, Bruce Thompson, Paul Thomas, Judith Garcia-Aymerich , Garun Hamilton, Davids John, Peter Frith, Rosa Faner, Alvar Agusti, Michael Abramson, Jennifer Perret, Caroline Lodge
PA3512	**Leptin levels are associated with reduced lung function in men with COPD** Ulf Nilsson (Umeå, Sweden), Stefan Söderberg, Helena Backman, Anders Blomberg, Anne Lindberg
PA3513	**Prevalence of alpha-1-antitrypsin deficiency (A1AD) in patients with COPD.** Manuel Barros Monge (Valparaiso, Chile), Rafael Silva, Karen Czischke, Fernando Saldías, Juanita Pavié, Mauricio Jalón, María Guacolda Benavides, Bernardo San Martín, Ximena Cea, Laura Mendoza, Rosa Roldán , Luis Soto, Manuel De La Prida , Alcídes Zambrano, Jorge Villalobos, Mónica Gutiérrez , Mauricio Riquelme , Mauricio Tapia, Jorge Dreyse
PA3514	**Relationship status and respiratory diseases: an analysis on a general population sample** Lucia Cazzoletti (Verona (VR), Italy), Maria Elisabetta Zanolin, Leonardo Antonicelli, Salvatore Battaglia, Roberto Bono, Angelo Corsico, Nicola Murgia, Mario Olivieri, Pietro Pirina, Giuseppe Verlato, Marcello Ferrari
PA3515	**Prevalence and characteristics of asthma with fixed airflow obstruction:a CADSET European multi-cohort collaboration** Ahmed Edris (Alexandria, Egypt), Judith Garcia-Aymerich, Rosa Faner, Howraman Meteran, Torben Sigsgaard, Peter Alter, Claus Vogelmeier, Nuria Olvera, Nazanin Zounemat-Kermani, Alvar Agusti, Gavin Donaldson, Jadwiga Wedzicha , Guy Brusselle, Helena Backman, H. Marike Boezen, Judith Vonk, Ian Adcock, Maarten Van Den Berge, Lies Lahousse
PA3516	**Chronic obstructive pulmonary disease (COPD) prevalence surveys in low- and middle-income countries (LMICs): A systematic scoping review of methodologies** Nik Sherina Hanafi (Kuala Lumpur, Malaysia), Dhiraj Agarwal, Soumya Chippagiri, Evelyn Brakema, Hilary Pinnock, Ee Ming Khoo, Aziz Sheikh, Su-May Liew, Chiu-Wan Ng, Rita Isaac, Karuthan Chinna, Li Ping Wong, Norita Hussein, Ahmad Ihsan Abu Bakar, Yong-Kek Pang, Sanjay Juvekar

PA3517 **Development of a predictive model for chronic obstructive pulmonary disease onset with identification and ranking of risk factors**
Martina Vettoretti (Padova, Italy), Andrea Facchinetti, Barbara Di Camillo

PA3518 **Blood eosinophilia in chronic obstructive pulmonary disease: impact on exacerbations risk and severity**
Ines Laouini (Nabeul, Tunisia), Haifa Zaibi, Emna Ben Jmia, Hend Ouertani, Jihene Ben Amar, Hichem Aouina

PA3519 **Poverty and chronic airflow obstruction in the multinational Burden of Obstructive Lung Disease (BOLD) study: An update**
Jaymini Patel (London, United Kingdom), Andre F.S. Amaral, Cosetta Minelli, Fadlalla G. Elfadaly, Peter Burney

Pre-congress content Session 393 13:15 - 14:15

E-poster: Advances in asthma treatment

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Epidemiology Pulmonary function testing Endoscopy and interventional pulmonology Surgery

Tag(s) : Digital health

Chairs : Charlotte Suppli Ulrik (Virum, Denmark), Stylianos Loukides (Athens, Greece)

PA3520 **Real-world treatment patterns of newly diagnosed patients with asthma and/or COPD**
Aniek Markus (Rotterdam, Netherlands), Peter Rijnbeek, Jan Kors, Guy Brusselle, Edward Burn, Daniel Prieto-Alhambra, Katia Verhamme

PA3521 **Triple combination therapy in severe asthma: overview from the Italian Registry Severe Asthma (IRSA)**
Claudio Micheletto (S.Giovanni Lupatoto, Italy), Maria Beatrice Bilò, Leonardo Antonicelli, Fausto De Michele, Antonino Musarra, Adriano Vaghi

PA3522 **Annual systemic and inhaled corticosteroid exposures in US patients =4 years with asthma**
Miguel Lanz (Coral Gables, United States of America), Ileen Gilbert, Michael Pollack, Hitesh Gandhi, Joseph Tkacz, Njira Lugogo

PA3523 **Mindfulness based cognitive therapy in poorly controlled asthma: Will patients attend and do they benefit?**
Steven Smith (Glasgow, United Kingdom), Steven Smith, Moira Mcguigan, Bridie O'Dowd, Nicola Lee, Freda Yang, Tracyanne Grandison , Victor Noguera, Katrina Bissett, Malcolm Shepherd, Rekha Chaudhuri

PA3524 **Bronchial Thermosplaty and severe asthma with frequent severe exacerbations : a controlled study.**
Justine Leroux (Strasbourg, France), Naji Khayath, Cezar Matau, Diana Ochea, François Lefebvre, Anita Molard, Frederic De Blay

PA3525 **Healthcare costs associated with short-acting ß2-agonist use in asthma: an observational UK study from the SABINA global programme**
Darush Attar (London, United Kingdom), Toby Capstick, Deborah Leese, Sofie Arnetorp, Eleni Rapsomaniki, Keith Peres Da Costa, Yang Xu, Jennifer K Quint

PA3526 **Efficacy of different dosing regimens of azithromycin in a real-world severe asthma cohort**
Ayesha Kumar (Liverpool, United Kingdom), Seher Zaidi, Nicola Fay, Thomas Fitzmaurice, Abigail Watkin, Hannah Joplin, Hassan Burhan

PA3527 **A preliminary study to identify correlations between blood glucose levels and cardiorespiratory observations in acute asthma patients receiving nebulised salbutamol.**
Craig Mortimer (Sevenoaks (Kent), United Kingdom)

PA3528 **Oral corticosteroids-related comorbidities in severe asthma**
Adriano Vaghi (Bollate (MI), Italy), Leonardo Antonicelli, Maria Beatrice Bilò, Fausto De Michele, Claudio Micheletto, Antonino Musarra

PA3529 **Evaluation of Asthma control and oral corticosteroids in Severe Asthma**
Claudio Micheletto (S.Giovanni Lupatoto, Italy), Maria Beatrice Bilò, Leonardo Antonicelli, Fausto De Michele, Antonino Musarra, Adriano Vagni

PA3530 **Implementation of a nursing led intervention bundle in the Emergency Department : Outcomes**
Wei Yang Lim (Singapore, Singapore), Wesley Yeung, Norris Ling, Lay Ping Neo, Lathy Prabhakaran, Nora Bte Said, Jaleelahbeevi Bte Noor Mohamed, Mei Fong Liew, Pee Hwee Pang, John Abisheganaden, Tow Keang Lim, Hui Fang Lim

PA3531 **Spirometric changes in bronchodilation tests as predictors of asthma diagnosis and treatment response in patients with FEV1 =80% predicted**
Min Zhang (, China), Huijuan Hao, Wuping Bao, Yishu Xue, Yan Zhou, Zhixuan Huang, Dongning Yin, Yingying Zhang, Pengyu Zhang, Chengjian Lv, Lei Han, Xin Zhou, Junfeng Yin

PA3532 **Use of health care and management of asthma patients in the emergency room during the COVID 19 pandemic: lessons for the next wave.**
Simon Foulquier (Bruguières, France), Elise Noel Savina, Laurent Guilleminault, Alain Didier, Frederic Balen

PA3533 **The effects of nebulised beta-2 agonists on clinical observations in asthma exacerbations: a systematic review**
Craig Mortimer (Sevenoaks (Kent), United Kingdom), Dimitra Nikoletou, Ann Ooms, Julia Williams

PA3534 **Inhaled antibiotic therapy in patients with severe asthma**
ELENA AVALOS PEREZ-URRIA (Madrid , Spain), Rosa María Girón Moreno, Carolina Victoria Cisneros Serrano, Elisa Martínez Besteiro, Marta Erro Iribarren, Adrián Martínez Vergara, Elena García Castillo, Ana Martínez Meca, Julio Ancochea

PA3535 **Shared decision making in severe asthma therapy: qualitative study of physician-patient communication**
Ember Lu (Philadelphia, United States of America), Katya Solovyeva, Zachary Hebert, Lisa Kietzer, Simon Griffiths, Zeina Eid Antoun, Tom Keeley, Rafael Alfonso-Cristancho

PA3536 **Late Breaking Abstract - Response to mepolizumab in patients with severe CRSwNP using EUFOREA 2021 criteria**
Claire Hopkins (London, United Kingdom), Joseph K Han, Valerie J Lund, Claus Bachert, Zuzana Diamant, Wystke Fokkens, Ana R Sousa, Steven G Smith, Shibing Yang, Bhabita Mayer, Steve W Yancey, Robert Chan, Stella E Lee

PA3537 **Late Breaking Abstract - Two-year cumulative oral corticosteroid exposure in severe eosinophilic asthma before and after anti-IL-5 therapy**
Johannes A Kroes (Leeuwarden, Netherlands), Sybrand W J Zielhuis, Kim De Jong, Sander W Zielhuis, Eric N Van Roon, Elisabeth H D Bel, Anneke Ten Brinke

PA3538 **Late Breaking Abstract - Early benefits in patient-reported outcomes (PROs) and physical activity (PA) in patients with severe eosinophilic asthma (SEA) treated with benralizumab: interim analysis of the imPROve Asthma study**
Marek Lommatzsch (Rostock, Germany), Stephanie Korn, Tanja Plate, Thorsten Grund, Henrik Watz

PA3539 **Late Breaking Abstract - International, prospective real-world study of mepolizumab in patients with severe asthma at one year: REALITI-A**
Charles Pilette (Bruxelles, Belgium), Giorgio Walter Canonica , Rekha Chaudhuri , F. Eun-Hyung Lee, Jason Kihyuk Lee , Carlos Almonacid Sanchez , Rafael Alfonso-Cristancho , Rupert Jakes, Aoife Maxwell , Robert Price, Peter Howarth

Pre-congress content Session 394 13:15 - 14:15

E-poster: Thoracic ultrasound as a bedside clinical tool

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

Method(s) : General respiratory patient care | Respiratory intensive care | Imaging | Endoscopy and interventional pulmonology

Chairs : Eihab Bedawi (Oxford (Oxfordshire), United Kingdom), Pia Iben Pietersen (Odense NØ, Denmark)

PA3540 **Diagnosing pneumothorax through standardized bilateral ultrasound images comparison**
Guido Levi (Bovezzo, Italy), Riccardo Maria Inciardi, Manuela Ciarfaglia, Jordan Franz Giordani, Laura Pini, Claudio Tantucci, Chiara Rocchetti, Giampietro Marchetti

PA3541 **Effect on length of stay in a district general hospital after respiratory led pleural interventions**
Samir Naik (Harlow (Essex), United Kingdom), Ravi Ragatha, Ugo Ekeowa, Peter Russell, Alex Lupu, Manpreet Kainth, Jian Khoo

PA3542 **Lung ultrasound and high-resolution CT-scan of the chest for COVID-19 pneumonia**
Andrea Smargiassi (Roma (RM), Italy), Gino Soldati, Carmelo Sofia, Tiziano Perrone, Elena Torri, Federico Mento, Domenico Milardi, Paola Del Giacomo, Giuseppe De Matteis, Maria Livia Burzo, Anna Rita Larici, Maurizio Pompili, Libertario Demi, Riccardo Inchingolo

PA3543 **Diagnostic efficacy and suitability of trans-thoracic ultrasound for pleural effusion detection–The future non-invasive gold-standard. (study of 4597 cases)**
Abdul Rasheed Qureshi (Lahore, Pakistan)

PA3544 **Quantitative pleural fluid echogenicity on ultrasound as a novel imaging biomarker**
Maged Hassan (Alexandria, Egypt), Marawan Abo Ouf

PA3545 **Diagnostic yield and complications of ultrasound-guided transthoracic biopsy in 143 Algerian patients**
Mohamed Redha Selmani (Batna, Algeria), Bouthayna Chiboub, Ibtissem Djari, Rania Direch, Abdelmadjid Djebbar

PA3546 **Study for evaluation of using transthoracic lung ultrasound in diagnosis of pulmonary embolism**
Asmaa AbdelKader (Alexandria, Egypt), Mohamed Zidan, Heba Eshmawey, Heba Gharraf

PA3547 **Late Breaking Abstract - Usefulness of lung ultrasound in the diagnosis and early detection of acute chest syndrome in children with sickle cell disease**
Celine Delestrain (Creteil, France), Houmam El Jurdi, Corinne Guitton, Irina Craiu, Guillaume Thouvenin, Laura Berdah, Blandine Prevost, Vincent Gajdos, Ralph Epaud, Corinne Pondarre, Fouad Madhi

Pre-congress content Session 395 13:15 - 14:15

E-poster: Therapies for respiratory diseases in primary care and COVID - 19

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Respiratory critical care Airway diseases

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

Tag(s) : COVID, Digital health

Chairs : Su May Liew (Kuala Lumpur, Malaysia), Tiago Maricoto (Aveiro, Portugal)

PA3548 **Recognising the long-term burden of short course oral corticosteroids**
Liam G. Heaney (Belfast (Belfast), United Kingdom), Florence Schleich, Stephanie Korn, Peter Howarth, Zeina Eid Antoun, Arnaud Bourdin, Giorgio W. Canonica

PA3549 **Short-acting ß2-agonists and greenhouse gas emissions in Europe and Canada**
Christer Janson (Uppsala, Sweden), Ekaterina Maslova , Alexander Wilkinson, Erika Penz , Alberto Papi, Nigel Budgen , Claus F. Vogelmeier , Maciej Kupczyk , John Bell, Andrew Menzies-Gow

PA3550 **Assessing Variability of Greenhouse Gas (GHG) Emission Estimates from Inhaled Medicines**
Nigel Budgen (Macclesfield, United Kingdom), Andy Whiting, Michael Collins, John Bell

PA3551 **Greenhouse gas emissions associated with COPD care in the UK: Results from SHERLOCK CARBON**
John Bell (Cambridge, United Kingdom), Bo Ding, Enrico De Nigris, John Haughney

PA3552 **Exploring the provision of supportive care for people with severe, potentially life limiting chronic obstructive pulmonary disease in Malaysia: a qualitative study**
Su May Liew (Kuala Lumpur, Malaysia), Ee Ming Khoo, Hilary Pinnock, Sylvia Mccarthy, Zee Nee Lim, Yong Kek Pang, Nik Sherina Hanafi, Norita Hussein, Ahmad Ihsan Abu Bakar, Yun Li Chan, Aziz Sheikh

PA3553 **Adherence to medication advice through a remote electronic asthma and COPD service**
Niels Schipper (Groningen, Netherlands), Anna Jetske Baron, Bertine M.J. Flokstra-De Blok, Hans Wouters, Esther I. Metting, Ellen Van Heijst, Ronald A. Riemersma, Huib A.M. Kerstjens, Janwillem W.H. Kocks

PA3554 **Association between patient-reported outcomes and functional test outcomes in patients with COPD before undergoing home-based pulmonary rehabilitation.**
Rui Vilarinho (Maia, Portugal), Rui Vilarinho, Cátia Esteves, Cátia Caneiras

PA3555 **Patient perspectives on systemic corticosteroids in asthma**
Monica Fletcher (Cuckfield, United Kingdom), Tonya Winders, John Oppenheimer, Peter Howarth, Zeina Eid Antoun, Thys Van Der Molen, Mike Thomas

PA3556 **Laboratory assessment of drug delivery of Beclomethasone/Formoterol metered dose inhaler (MDI) with a new valved holding chamber (VHC) designed specifically for 'on-the-go' use.**
Jason Suggett (London (ON), Canada), Mark Nagel, Cathy Doyle, Rubina Ali

PA3557 **Comparative effectiveness of two different doses of inhaled corticosteroid in triple therapy on exacerbations in patients with severe COPD: a real-world study**
Charleston Pinto (Salvador (BA), Brazil), Ana Carla Vale , Priscila Lauton, Lindemberg Costa, Antônio Carlos Lemos

PA3558 **Characteristics of COPD patients prescribed ICS managed in general practice vs. secondary care**
Osman Savran (Hvidovre, Denmark), Nina Godtfredsen, Torben Sørensen, Christian Jensen, Charlotte Suppli Ulrik

PA3559 **An electronic patient decision aid comparing as-needed budesonide-formoterol combination to regular use of inhaled corticosteroid (ICS) in mild asthma: a rapid-cycle design study**
Myriam Gagne (Toronto, Canada), Jeffrey Lam Shin Cheung, Andrew Kouri, Louis-Philippe Boulet, J. Mark Fitzgerald, Allan Grill, Paul M. O'Byrne, Samir Gupta

PA3560 **How to improve patient adherence to spacers: Results from a patient survey following introduction of a new spacer designed to help use 'On the Go'**
Jason Suggett (London (ON), Canada), Alison Ellery

PA3561 **Acceptability of healthcare professionals to get vaccinated against COVID-19 two weeks before initiation of national vaccination in Greece**
Athanasia Pataka (Thessaloniki, Greece), Seraphim Kotoulas , Emilia Stefanidou, Ioanna Grigoriou, Ioanna Tsiouprou, Paraskevi Argyropoulou

PA3562 **Exploring the psychological impact of the COVID-19 pandemic on adults with asthma: A quantitative study**
Kirstie McClatchey (Edinburgh, United Kingdom), Tracy Jackson, Emma Kinley, Amy Chan, Noelle Morgan, Jessica Rees, Hilary Pinnock

PA3563 **Exploring the psychological impact of the COVID-19 pandemic on adults with asthma: a qualitative study**
Tracy Jackson (Edinburgh (Edinburgh), United Kingdom), Kirstie Mcclatchey, Amy Chan, Noelle Morgan, Hilary Pinnock

PA3564 **Daily spirometry in Covid-19 positive patients**
Meenakshi Bhakare (Pune, Maharashtra, India), Rajkumar Nikalje, Reshma Patil, Urvi Shukla, Rupesh Bokade, Gajanan Sakhare, Shardul Joshi, Aditi Pais

PA3565 **Anxiety and Depression Levels of Healthcare Workers During COVID-19 Pandemic**
Muzaffer Onur Turan (Izmir, Turkey), Nilgün Yılmaz Demirci, Güntülü Ak, Şule Akçay, Ulku Aka Akturk, Semra Bilaçeroğlu, Funda Coşkun, Oğuz Köktürk, Arzu Mirici, Cengiz Özdemir, Nazan Şen, Ülkü Yılmaz

PA3566 **Hyperventilation as a possible explanation for exercise intolerance in young athletes after mild COVID-19**
Oxana Fesenko (Moscow, Russian Federation)

Pre-congress content Session 396 13:15 - 14:15

E-poster: Home mechanical ventilation: organisation and outcomes

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

Method(s) : General respiratory patient care Respiratory intensive care Palliative care Pulmonary function testing Pulmonary rehabilitation Physiology

Chairs : Carla Ribeiro (Vila Nova de Gaia, Portugal)

PA3567 **Chronic NIV in COPD: an exploration of pooled individual patient data**
Tim Raveling (Groningen, Netherlands), Judith Vonk, Marieke Duiverman, Peter Wijkstra

PA3568 **Impact of autonomy impairments and social conditions on quality of life in COPD-patients with long-term NIV**
Sarah Bettina Schwarz (Köln, Germany), Tim Mathes, Daniel Sebastian Majorski, Maximilian Wollsching-Strobel, Doreen Kroppen, Friederike Sophie Magnet, Wolfram Windisch

PA3569 **Rescue2-Monitor (R2M) study: an overview of screened patients.**
Léo Grassion (Bordeaux, France), Sandrine Jaffre, Marjolaine Georges, Sandrine Pontier, Julien Soler, Patricia Peñacoba, Jean Michel Arnal, Christel Saint Raymond, Arnaud Prigent, Maria Alexandra Mineiro, Wojciech Trzepizur, Bebiana Conde, Claudio Rabec, Joao Winck, Pedro Anton, Jesus Gonzalez-Bermejo

PA3570 **Who are the chronic pulmonary obstructive disease patients highly compliant to home mechanical ventilation?**
Luís Lázaro Ferreira (Vila Nova de Gaia, Portugal), Nicole Fernandes, Carla Nogueira, Daniela Ferreira, Sara Conde, Carla Ribeiro

PA3571 **Predictors of health-related quality of life in COPD-patients on long-term non-invasive ventilation**
Maximilian Wollsching-Strobel (Köln, Germany), Sarah Schwarz, Pouya Heidari, Daniel Sebastian Majorski , Friederike Sophie Magnet, Tim Mathes, Wolfram Windisch

PA3572 **Defining successful NIV setup: data from a real-life cohort**
Grégoire Jolly (Rouen, France), Emeline Fresnel, Christian Caillard, Zouhair Gharsallaoui, Antoine Cuvelier, Maxime Patout

PA3573	**Is there a pattern of compliance to home mechanical ventilation depending on disease?** Luís Lázaro Ferreira (Vila Nova de Gaia, Portugal), Nicole Fernandes, Carla Nogueira, Daniela Ferreira, Sara Conde, Carla Ribeira
PA3574	**The Portuguese S3-Non-invasive Ventilation (S3-NIV) questionnaire for home mechanically ventilated patients** Carla Ribeiro (Vila Nova de Gaia, Portugal), Sara Conde, Pedro Oliveira, Carla Nogueira, Daniela Ferreira, Dan Adler, Wolfram Windisch, Rui Nunes
PA3575	**Responsiveness of the S3-NIV questionnaire to severe episode of respiratory failure** Ivan Guerreiro (Geneva, Switzerland), Aline Schmit, Esther Irene Schwarz, Paola Marina Soccal, Jean-Paul Janssens, Dan Adler
PA3576	**Patients' perspective and lung function correlation:the importance of questionnaires in home mechanical ventilation** Ana Da Cunha Fonseca (Vila Nova de Gaia, Portugal), Marta Sá Marques, Sara Conde, Pedro Oliveira, Carla Nogueira, Daniela Ferreira, Dan Adler, Wolfram Windisch, Rui Nunes, Carla Ribeiro
PA3577	**An outpatient approach to home mechanical ventilation follow-up** Luís Lázaro Ferreira (Vila Nova de Gaia, Portugal), Nicole Fernandes, Carla Nogueira, Daniela Ferreira, Sara Conde, Carla Ribeiro
PA3578	**In what ways are a long term ventilation service able to support the care of adults with learning disability?** Deirdre McCourt (NEWCASTLE UPON TYNE, United Kingdom), Thomas Fretwell, Hilary Tedd, Ben Messer, Thomas Doris, Alison Armstrong
PA3579	**The effect of CPAP in asthma patients with SAHS** Gorane Iturricastillo Gutierrez (Madrid, Spain), Elisa Martínez, José María Eiros, Pedro Landete, Elena Ávalos, Carolina Cisneros, Julio Ancochea
PA3580	**Treatment of early undiagnosed airflow obstruction in patients of OSA on CPAP improves sleep quality and symptoms** Tarang Kulkarni (Mumbai (Maharashtra), India), Sovan Kanti Chakraborty, Raja Dhar, Milind Sovani
PA3581	**Changes in respiratory status after specialized pulmonary rehabiliation in patients with high cervical spinal cord injury** Yewon Lee (, Republic of Korea), Jihyun Park, Jang Woo Lee, Han Eol Cho, Won Ah Choi, Seong-Woong Kang
PA3582	**Predictors of the need for NIV during percutaneous endoscopic gastrostomy insertion in patients with MND** Hussain Ebrahim (London, United Kingdom), Shaun Thein, Ancy Fernandez, Anna Mowat, Abdisamad Ali, Naveed Mustfa, Zhi Cheng Lim
PA3583	**Tracheostomy in ALS.Survival and related factors** Cristina Gomez Rebollo (Córdoba, Spain), María Melgar Herrero, Estefanía Mira Padilla, Cristina Muñoz Corroto, Pablo García Lovera, Natalia Pascual Martínez
PA3584	**Venous thromboembolic (VTE) in patients with ALS: an incidence study** Estefania Mira Padilla (Córdoba, Spain), Maria Melgar Herrero, Cristina Gomez Rebollo, Pablo Garcia Lovera, Cristina Muñoz Corroto, Natalia Pascual Martinez
PA3585	**Respiratory disorders in patients hospitalized for bariatric surgery** Anton Bebekh (St. Petersburg, Russian Federation), Natalia Kucherenko, Alexander Gorelov, Irina Umarova
PA3586	**Clinical practice of non-invasive ventilation for COPD exacerbations** Judith Elshof (Groningen, Netherlands), Anouschka Van Der Pouw, Els Fikkers, Petra Vos, Marieke Duiverman

Pre-congress content Session 397 13:15 - 14:15

E-poster: Pulmonary hypertension in the COVID-19 pandemic and beyond

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

Method(s) : General respiratory patient care Endoscopy and interventional pulmonology Epidemiology Imaging Physiology Respiratory intensive care Public health

Tag(s) : COVID

Chairs : Frédéric Lador (Genève 14, Switzerland), Pilar Escribano-Subias (Madrid, Spain)

PA3587	**Controversies over the impact of the COVID-19 pandemic on patients with Pulmonary Arterial Hypertension** Nicoleta Sorina Bertici (Timisoara (Timis), Romania), Larisa Dobrescu, Liudmila Pislaru, Iosif Marincu
PA3588	**Impact of Sars-CoV-2-Pandemic on mental disorders and quality of life in patients with pulmonary arteriaI hypertension** Da-Hee Park (Hannover, Germany), Jan Fuge, Tanja Meltendorf, Kai G. Kahl, Manuel J. Richter, Henning Gall, Hossein A. Ghofrani, Jan C. Kamp, Marius M. Hoeper, Karen M. Olsson
PA3589	**Impact of 3-months COVID-19 lockdown on exercise capacity in stable pulmonary arterial hypertension** Claudia Baratto (Milano, Italy), Sergio Caravita, Céline Dewachter, Gianfranco Parati, Jean-Luc Vachiéry
PA3590	**The lived experiences of people shielding with pulmonary hypertension during the first wave of the COVID-19 pandemic** Iain Armstrong (, United Kingdom), Iain Armstrong, Catherine Billings, Shaun Clayton, David G Kiely, J Paul Sephton, John Smith, Mary Ferguson
PA3591	**Sildenafil for treatment of associated pulmonary hypertension in patients with severe COVID-19 pneumonia.** Irfan Qamar (Horley, United Kingdom), James May, Asad Anwar, Nordita Bascon, Agnieszka Crerar-Gilbert , Brendan Madden
PA3592	**Predictive value of CT pulmonary angiography to assess surgical accessibility for pulmonary endarterectomy in chronic thromboembolic pulmonary hypertension (CTEPH) patients** Isabelle Opitz (Zurich, Switzerland), Thomas Frauenfelder, Micheal Mcinnis, Matthias Eberhard, Marc De Perrot, Silvia Ulrich, Ilhan Inci
PA3593	**Type of anticoagulant therapy as a risk factor for the severity of chronic thromboembolic pulmonary hypertension** Aleksandar Bokan (Loewenstein, Germany), Gerd Staehler, Axel Tobias Kempa, Anna Volk
PA3594	**The changing epidemiology of pulmonary hypertension: disease characteristics and clinical outcome over two decades of the swiss registry** Stéphanie Saxer (Zürich, Switzerland), Paula Appenzeller, Mona Lichtblau, Charlotte Berlier, John-David Aubert, Andrea Azzola, Jean-Marc Fellrath, Thomas Geiser, Frederic Lador, Susanne Pohle, Isabelle Opitz, Markus Schwerzmann, Hans Stricker, Michael Tamm, Silvia Ulrich
PA3595	**Geographical barriers in access to pulmonary arterial hypertension care in Brazilian public health system** Charleston Pinto (Salvador (BA), Brazil), Thiago Rocha, Paloma Fiuza, Antônio Carlos Moreira Lemos
PA3596	**Patterns of pulmonary hypertension in Egyptian patients with COPD: A retrospective analysis** Amany Fathy Elbehairy (Alexandria, Egypt), Muhammad Ehab Atta, Yehia M. Khalil, Tamer S. Morsi
PA3597	**Spectrum of interstitial lung diseases (ILDs) and associated prevalence of pulmonary hypertension** Surya Kant (Lucknow (Uttar Pradesh), India), Richa Tyagi, Anupam Wakhlu, Anit Parihar, Akshyaya Pradhan, Riddhi Jaiswal
PA3598	**The effect of lung diseases on pulmonary hypertension and the effect of pulmonary hypertension on the lung** Ismail Güzelkaş (Ankara, Turkey), Beste Özsezen, Dilber Ademhan Tural, Birce Sunman, Halime Nayır Büyükşahin, Ebru Aypar, Tevfik Karagöz, Nagehan Emiralioğlu, Ebru Yalçın, Deniz Doğru, Uğur Özçelik, Nural Kiper
PA3599	**Whipple's disease: a rare and life-threatening cause of pulmonary hypertension** Etienne-Marie Jutant (Paris, France), Anne Roche, Athénaïs Boucly, Alice Camboulive, Mitja Jevnikar, Xavier Jais, Olivier Sitbon, Marc Humbert, Laurent Savale, David Montani
PA3600	**Charactaristics and prognosis of autoimmune antibody-positive patients of idiopathic pulmonary arterial hypertension** Masashi Sakayori (Chiba, Japan), Ayumi Sekine, Nobuhiro Tanabe, Akira Naito, Takayuki Jujo, Toshihiko Sugiura, Ayako Shigeta, Seiichiro Sakao, Koichiro Tatsumi
PA3601	**Distance assessment of the risk of pulmonary hypertension associated with connective tissue diseases: do biomarkers help?** Alexander Volkov (MOSCOW, Russian Federation), Olga Alexeeva, Ekaterina Nikolaeva
PA3602	**Risk assessment in Pulmonary Arterial Hypertension (PAH) based on the Simplified French Model: A single centre experience** Umair Falak (Darlington (Co Durham), United Kingdom), Kishor Lekhak, Muhammad Waseem Athar, Rachel Crackett, James Lordan, Guy Macgowan, Andrew Fisher, Arun Nair
PA3603	**Abnormal right ventricular to pulmonary artery coupling in sickle cell disease** Tatiana Ballez (Bruxelles, Belgium), Flore Samantha Benghiat, Céline Dewachter, Ana Roussoulières, Jean-Luc Vachiéry

PA3604 **Impact of cyanosis on ventilatory kinetics during stairclimbing in pulmonary arterial hypertension**
Chinthaka Samaranayake (London, United Kingdom), Yingmei Luo, Karina Siewers, Christopher Warren, Stuart Craig, Carl Harries, Laura Price, Aleksander Kempny, Michael Gatzoulis, Konstantinos Dimopoulos, Nicholas Hopkinson, S John Wort, James Hull, Colm Mccabe

PA3605 **Effects of a daytrip to high altitude (2500m) in pulmonary hypertension.**
Simon Raphael Schneider (Zürich, Switzerland), Laura C Mayer, Mona Lichtblau, Charlotte Berlier, Esther I Schwarz, Stéphanie Saxer, Lu Tan, Konrad E Bloch, Silvia Ulrich

PA3606 **Late Breaking Abstract - COVID-19 in patients with pulmonary hypertension: a national prospective cohort study**
David Montani (Le Kremlin-Bicêtre, France), Marie-Caroline Certain, Laurent Savale, Xavier Jaïs, Marc Humbert, Olivier Sitbon, - And The French P.H Network Pulmotension Investigators

Pre-congress content Session 398 13:15 - 14:15

E-poster: Molecular pathology and cell biology of pulmonary diseases

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

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

Chairs : Simon D. Pouwels (Groningen, Netherlands), Niki Ubags (Epalinges, Switzerland)

PA3607 **Alveolar–capillary barrier alteration due to systemic sclerosis: an experimental study.**
Bohdana Doskaliuk (Ivano-Frankivsk, Ukraine), Liubomyr Zaiats, Roman Yatsyshyn

PA3608 **Submicroscopic changes of of hemomicrocirculatory bed of the lungs in long term experimental streptozotocin-induced diabetes mellitus**
Yuliya Fedorchenko (Ivano-Frankivsk, Ukraine), Lubomyr Zaiats

PA3609 **LSC - 2021 - Submicroscopic changes of type I alveolocytes in the early stages of experimental diabetes mellitus**
Yuliya Fedorchenko (Ivano-Frankivsk, Ukraine), Lubomyr Zaiats (patfisiology@ifnmu.edu.ua / Ivano-Frankivsk National Medical University ,Ivano-Frankivsk)

PA3610 **Prolonged mechanical ventilation causes excessive worsening in gas exchange in a model of type two diabetes**
Álmos István Schranc (Szeged, Hungary), Gergely H. Fodor, Roberta Südy, József Tolnai, Barna Babik, Ferenc Peták

PA3611 **Adenosine-regulated mechanisms in the pathogenesis of ventilation disorders in patients with pulmonary tuberculosis**
Larisa Kiryukhina (St. Petersburg, Russian Federation), Marina Dyakova, Nataliia Serebryanaya, Dilyara Esmedlyaeva, Piotr Yablonskii

PA3612 **Smoking induces activation of the complement system in the small airways in a sex-specific manner**
Spela Kokelj (Göteborg, Sweden), Jörgen Östling, Karin Fromell, Kristina Nilsson Ekdahl, Henric K. Olsson, Anna-Carin Olin

PA3613 **Pro-fibrotic phenotype of human Hermansky-Pudlak syndrome lung fibroblasts**
Bernadette Gochuico (Bethesda, United States of America), Jennifer Wang, Lily Smith, Jasmina Abdalla, Meixing Zuo, Tesiya Franklin, Shachar Abudi, Resat Cinar, May Malicdan, Chen Han

PA3614 **LSC - 2021 - Mitochondrial DNA stress activates MHC class I antigen presentation and CD8+ T-cell immunity : implications for pulmonary fibrosis**
Xinyuan Wang (Munich, Germany), Thomas Meul (thomas.meul@helmholtz-muenchen.de / Comprehensive Pneumology Center (CPC), University Hospital, Ludwig-Maximilians University, Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL),Munich), Ilona Elisabeth Kammerl (ilona.kammerl@helmholtz-muenchen.de / Comprehensive Pneumology Center (CPC), University Hospital, Ludwig-Maximilians University, Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL),Munich), Yuqin Wang (yuqin.wang@helmholtz-muenchen.de / Comprehensive Pneumology Center (CPC), University Hospital, Ludwig-Maximilians University, Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL),Munich), Christoph Mayr (christoph.mayr@helmholtz-muenchen.de / Comprehensive Pneumology Center (CPC), University Hospital, Ludwig-Maximilians University, Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL),Munich), Herbert B. Schiller (herbert.schiller@helmholtz-muenchen.de / Comprehensive Pneumology Center (CPC), University Hospital, Ludwig-Maximilians University, Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL),Munich), Silke Meiners (silke.meiners@helmholtz-muenchen.de / Comprehensive Pneumology Center (CPC), University Hospital, Ludwig-Maximilians University, Helmholtz Zentrum München, Member of the German Center for Lung Research (DZL),Munich)

PA3615	**Tissue lesions in rat lungs caused by Crotalus durissus collilineatus venom** João Pedro Afonso (Anápolis, Brazil), Luis Vicente Franco De Oliveira, Marcos Mota Da Silva, Isabella Alves Costa, Maria Eduarda Moreira Lino, Leandro Norberto Da Silva Junior, Rodolfo De Paula Vieira
PA3616	**The filamentous Pseudomonas phage Pf disrupts airway basal cell proliferation** Elizabeth Burgener (Palo Alto, United States of America), Laura Rojas Hernandez, Paul Bollyky, Carlos Milla
PA3617	**Lipopolysaccharide (LPS) treatment enhances the regenerative capacity of mesenchymal stromal cells-derived exosomes** Aina Areny Balagueró (Sabadell, Spain), Marta Camprubí Rimblas, Raquel Guillamat Prats, Lluis Blanch , Anna Roig , Daniel Closa , Antonio Artigas
PA3618	**Immunological and transcriptional characterisation of SARS-CoV infected mouse lungs** Manuel Salzmann (Vienna, Austria), Patrick Haider, Roberto Plasenzotti, Johann Wojta, Philipp Hohensinner
PA3619	**Tight junction molecules are unresponsive in the epithelium of COPD patients during RV infection** Rassin Lababidi (Oxford, United Kingdom), Jennifer Cane, Mona Bafadhel
PA3620	**Angiogenic T cells in interstitial lung diseases** Verónica Pulito-Cueto (Santander, Spain), Sara Remuzgo-Martínez, Fernanda Genre, Belén Atienza-Mateo, Victor M. Mora-Cuesta, David Iturbe-Fernández, Leticia Lera-Gómez, Raquel Pérez-Fernández, Pilar Alonso-Lecue, Javier Rodriguez-Carrio, Diana Prieto-Peña, Virginia Portilla, Ricardo Blanco, Alfonso Corrales, Jose M. Cifrián, Raquel López-Mejías, Miguel A. González-Gay
PA3621	**Eosinophils and COVID-19 prognosis** Mariem Ferchichi (Tunis, Tunisia), Ikbel Khalfallah, Sabrine Louhaichi, Nouha Boubaker, Jamel Ammar, Basma Hamdi, Agnes Hamzaoui
PA3622	**LSC - 2021 - Club cell functions as a Wnt-responsive progenitor for tissue repair in COPD** Yan Hu (Aurora, United States of America), Chiara Ciminieri (c.ciminieri@rug.nl / Department of Molecular Pharmacology, Groningen Research Institute for Asthma and COPD (GRIAC), University of Groningen,Groningen), Reinoud Gosens (r.gosens@rug.nl / Department of Molecular Pharmacology, Groningen Research Institute for Asthma and COPD (GRIAC), University of Groningen,Groningen), Christopher Evans (christopher.evans@cuanschutz.edu / Division of Pulmonary Sciences and Critical Care Medicine, School of Medicine, University of Colorado,Aurora), Melanie Koenigshoff (koenigshoffm@upmc.edu / Division of Pulmonary, Allergy and CriticalCare Medicine, University of Pittsburgh Medical Center,Pittsburgh)
PA3623	**Aberrant endothelial CXCL signaling in COPD** Neeharika Kothapalli (Overland Park, United States of America), John E. Mcdonough, Micha Sam Brickman Raredon, Taylor S. Adams, Jonas C. Schupp, Laura E. Niklason, Naftali Kaminski, Ivan O. Rosas, Maor Sauler
PA3624	**LSC - 2021 - Investigating the role of vitamin A intake and retinoic acid signalling in lung homeostasis and repair- A multidisciplinary approach** Roisin Mongey (London, United Kingdom), Sally Yunsun Kim (sally.kim@imperial.ac.uk / Imperial College London,London), Diana Van Der Plaat (d.van-der-plaat@imperial.ac.uk / Imperial College London,London), Cosetta Minelli (cosetta.minelli1@imperial.ac.uk / Imperial College London,London), Charlotte Dean (c.dean@imperial.ac.uk / Imperial College London,London), Matthew Hind (m.hind@rbht.nhs.uk / Imperial College London,London)
PA3625	**Association between alpha1 antitrypsin (AAT) circulating polymers (CP) and lung and liver disease in patients with AAT deficiency (AATD).** Alexa Nuñez (Barcelona, Spain), Irene Belmonte, Elena Miranda, Eduardo Loeb, Miriam Barrecheguren, Georgina Farago, Esther Rodriguez, Francisco Rodriguez-Frías, Marc Miravitlles, Cristina Esquinas

Pre-congress content Session 399 13:15 - 14:15

E-poster: Primary care diagnosis and multimorbidities

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

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

Tag(s) : Digital health

Chairs : Noel Baxter (Glasgow, United Kingdom), Rachel Jordan (Birmingham (West Midlands), United Kingdom)

PA3626	**Bronchodilator reversibility (BDR) - should we measure it in adults with symptoms but without obstructed spirometry?** Miriam Bennett (manchester, United Kingdom), Sarah Drake, Laura Healy, Rhys Tudge, Lesley Lowe, Lisa Willmore, Lisa Willmore, Joanne Mitchell, Gina Kerry, Clare Murray, Stephen Fowler, Angela Simpson
PA3627	**Accuracy of different screening strategies for undiagnosed COPD in primary care in China: a Breathe Well study** Zihan Pan (Beijing, China), Andrew Dickens, Chunhua Chi, Xia Kong, Alexandra Enocson, Brendan G Cooper, Peymané Adab, Kar Keung Cheng, Alice Sitch, Sue Jowett, Rachel E Jordan
PA3628	**Need for patient's education: asthmatics perception of asthma as a lung disease** Daniela Cavalet Blanco (Porto Alegre (RS), Brazil), Luciana Silva, Raquel Ribeiro, Ana Paula Tubiana, Eduarda Jaeger, Carolina Aranchipe, Laura Fillmann, Jamile Vieira
PA3629	**Effect of implementing a web-based application for spirometry quality control in a public health system. A 10-year prospective study, including the covid-19 pandemic.** Joseba Andia Iturrate (Barakaldo, Spain), Elena Garay Llorente, Alejandro Rezola Carasusan, Edurne Echevarria Guerrero, Elena Lopez Santamaria, Josep Benavent, Nicolas Francisco Gonzalez Lopez, Saioa Artaza Aspiazu, Juan Bautista Galdiz Iturri, Nuria Marina Malanda
PA3630	**Can AI help in detecting respiratory diseases with incomplete lung function data?** Nilakash Das (Leuven, Belgium), Armin Halilovic, Julie Maes, Kevin Ray, Marko Topalovic
PA3631	**Comparative predictive assessment of lung health status in young people** Natalya Alexandrovna Mokina (Samara (Samara Oblast), Russian Federation), Egor Dmitrievich Mokin
PA3632	**Patient's views on a computer decision support for diagnosing asthma: a qualitative study.** Victoria Murray (Edinburgh, United Kingdom), Eddie Donaghy , Hilary Pinnock, Luke Daines
PA3633	**Clinicians views on developing an asthma CDSS for primary care** Eddie Donaghy (Edinburgh, United Kingdom), Victoria Murray, Hilary Pinnock, Luke Daines
PA3634	**Systematic review of clinical decision support systems for breathlessness in outpatient settings** Anthony Paulo Sunjaya (Sydney, Australia), Sameera Ansari, Christine Jenkins
PA3635	**Perceptions and practices of primary care physicians in rural India for diagnosis and management of asthma and COPD: a questionnaire survey** Dhiraj Agarwal (Pune (Maharashtra), India), Hilary Pinnock, Pam Smith, Sanjay Juvekar
PA3636	**Overdiagnosis of COPD and asthma among elderly with chronic dyspnea** Deniz Dogan Mülazimoglu (Ankara, Turkey), Oya Kayacan
PA3637	**The impact of pulmonary tuberculosis on the quality of life of Colombian patients and their families. A case-control study** Vicente Benavides Córdoba (Cali, Colombia), David Garces, Mariana Cañon, Yurany Benavides, Marcela Beltran, Jhonatan Betancourt-Peña
PA3638	**Exploration of the feasibility to combine patients with COPD and chronic heart failure in self management groups with focus on exercise self-efficacy.** Maaike Giezeman (Karlstad, Sweden), Mikael Hasselgren, Josefin Sundh, Ann-Britt Zakrisson, Kersti Theander
PA3639	**ACCURACY OF COPD SCREENING STRATEGIES AMONG HYPERTENSIVE PATIENTS IN BRAZIL: A BREATHE WELL STUDY** Rachel Jordan (Birmingham (West Midlands), United Kingdom), SONIA MARTINS, Andrew Dickens, William Salibe-Filho, Luis Sousa, Aldo Albuquerque-Neto, Peymane Adab, Alexandra Enocson, Alice Sitch, Rafael Stelmach
PA3640	**Prevalence of metabolic syndrome (MetS) in stable Chronic Obstructive Pulmonary Disease (COPD) patients and status of c-reactive protein among COPD patients with and without MetS visiting Tribhuvan University Teaching Hospital, Nepal** Santosh Baniya (kathmandu, Nepal)
PA3641	**Chronic Obstructive Pulmonary Disease (COPD) as co-morbidity in patients with Obstructive Sleep Apnea Syndrome (OSAS): Results of a retrospective study in the French overseas department of Reunion island.** Bashir Omarjee (Saint-Denis (La Réunion), Reunion), Suren Budhan, J.François Vellin, François Rubin, Asma Omarjee
PA3642	**Comparative analysis of central aortic blood pressure, pulse wave velocity, and other indicators of arterial stiffness in patients with obstructive pulmonary diseases in Indian population** Jyoti Bajpai (Lucknow (Uttar Pradesh), India), Surya Kant, Akshyaya Pradhan, Ajay Verma, Darshan Bajaj
PA3643	**Cardiac Cormorbidities in COPD Patients : A Cross Sectional Study** UTKARSH KHATTRI (Meerut, India), Lalit Singh, Rajeev Tandon, Geeta Karki, Nida Choudhry

PA3644 **Association of combined anxiety and depression with quality of life, dyspnea, exercise tolerance in COPD patients**
Abebaw Mengistu Yohannes (Azusa, United States of America), Richard Casaburi , Sheila Dryden, Nicola Alexander Hanania

PA3645 **Systematic quality assessment of patient education materials and decision aids for breathlessness**
Anthony Paulo Sunjaya (Sydney, Australia), Lexia Bao, Allison Martin, Christine Jenkins

Pre-congress content Session 400 13:15 - 14:15

E-poster: COVID - 19 risk predictions

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Respiratory critical care

Method(s) : General respiratory patient care Respiratory intensive care Epidemiology Imaging Public health Pulmonary function testing

Tag(s) : COVID

Chairs : Eva Van Braeckel (Ghent, Belgium), Leif Erik Sander (Berlin, Germany)

PA3646 **Correlation between chest CT severity scores and clinical and biochemical parameters of COVID-19 pneumonia.**
Berna Kömürcüoğlu (Izmir, Turkey), Batum Ozgur, Salik Bilge, Susam Seher, Karadeniz Gulistan

PA3647 **Liver dysfunction on admission worsen clinical manifestations and outcomes of Coronavirus Disease 2019**
Fang-Ying Lu (Shanghai, China), Rong Chen, Kandi Xu, Jie Huang, Dexiang Yang, Tao Bai, Yun Feng, Yi Guo

PA3648 **Relationship between chest CT findings and clinical conditions of COVID-19: A multicentre experience**
Nilgün Yilmaz Demirci (Ankara, Turkey), Asiye Uğraş Dikmen, Cantürk Taşçı, Deniz Doğan, Yakup Arslan, Nesrin Öcal, Mustafa Taşar, Uğur Bozlar, Cumhur Artuk, Gülden Gülden, Zehra Karacaer , Ismail Yaşar Avcı, Günay Tuncer Ertem, Fatma Şebnem Erdinç, Sami Kınıklı, Şerife Altun Demircan, Elif Ergün, Pınar Nercis Koşar, Ayşe Esra Karakoç, Atila Gökçek, Melike Aloğlu, Sevtap Gülgösteren, Şükran Atikcan, Şule Akçay , Çiğdem Erol, Koray Hekimoğlu, Mahi Nur Cerit , Gonca Erbas, Selçuk Özger, Gülendam Bozdayı , Esin Şenol, Ahmet Selim Yurdakul, Aydın Yılmaz

PA3649 **Association between age, deprivation and ethnicity with COVID-19 hospitalisation and mortality**
Danyal Jajbhay (London, United Kingdom), Yee Ean Ong, Jessica Gates, Martina Cusinato, Emma Lombard, James May, Adrian Draper

PA3650 **COVID-19 pneumonia and clinical follow-up: results of a prospective cohort**
Eva Ailín Vallejos (Ciudad Autónoma Buenos Aires, Argentina), Sabrina Resnik, Florencia Santtia, Laura Barria, Federico Felder, Mariano Sosa, Facundo Nogueira, Juan Enghelmayer, Ana Putruele, Carlos Luna

PA3651 **Predictors of worse prognosis in young adults hospitalized with COVID-19 pneumonia: a multi-center Italian study (COVID-UNDER50)**
Martina Bonifazi (Ancona (AN), Italy), Federico Mei, Edlira Skrami, Flavia Carle, Stefano Gasparini, Lina Zuccatosta, Alessandro Di Marco Berardino, Donatella Amico, Elisabetta Balestro, Francesco Bini, Piero Candoli , Antonella Caminati, Sergio Harari, Giampietro Marchetti , Guido Levi, Sara Piciucchi, Venerino Poletti, Claudia Ravaglia , Sara Lococo, Marina Saetta, Sara Tomassetti, Mario Tamburrini, Umberto Zuccon, Alessandro Zanforlin, Vincenzo Menditto

PA3652 **Predictive factors of response to systemic corticosteroids in patients hospitalized with COVID-19 pneumoniae**
Iria Veiga Teijeiro (Lugo (Galicia), Spain), Indhira Guzmán Peralta, Diego Pérez Ortiz, Luis Pérez De Llano, Irene Martín Robles, Nagore Blanco Cid, David Dacal Rivas, Rafael Golpe Gómez

PA3653 **Association between type of antihyperglycemic therapy and COVID-19 outcomes in patients with type 2 DM**
Michael Brovko (Moscow, Russian Federation), Larisa Akulkina, Anastasia Schepalina, Victoria Sholomova, Sergey Moiseev, Alisa Yanakaewa, Denis Konovalov

PA3654 **Severity, risk of progression or thrombosis – what does the D-dimer really reflect in COVID-19 pneumonia?**
Mariia Krykhtina (Dniepropetrovsk, Ukraine), Kseniia Bielosludtseva, Tetyana Pertseva, Lyudmila Konopkina

PA3655 **Study of likelihood of infection with Covid-19 among hospital staff.**
Jayalakshmi T.Kutty (Mumbai (Maharashtra), India), Bhumika Madhav, C G Prakash, Dipti Dhanwante, Narendra Patil, Dhanaji Revande

PA3656 **Severity or risk of progression: what does serum ferritin really reflect in COVID-19 pneumonia?**
Kseniia Bielosludtseva (Dniepropetrovsk, Ukraine), Olena Myronenko, Lyudmila Konopkina, Tetyana Pertseva, Oksana Plekhanova, Mariia Krykhtina

PA3657 **Input of comorbidities to hospitalization of patients with COVID-19.**
Irina Lizinfeld (Moscow, Russian Federation), Natalia Pshenichnaya, Lyubov Parolina, Grigorii Zhuravlev

PA3658 **Evaluation of the relationship between laboratory parameters and pulmonary function tests in COVID-19 patients**
Buğra Kerget (Erzurum, Turkey), Alperen Aksakal, Ferhan Kerget

PA3659 **Early profiling of low-risk SARS-CoV-2 pneumonia for ward allocation**
Raúl Méndez (Valencia, Spain), Paula González-Jiménez, Ana Latorre, Leyre Serrano, Luis Alberto Ruiz, Rafael Zalacaín, Pedro Pablo España, Ane Uranga, Catia Cillóniz, Antoni Torres, Rosario Menéndez

PA3660 **Incidence and risk factors for structural lung disease following SARS-CoV-2 infection**
Maximilian Gysan (Wien, Austria), Antje Lehmann, Dominik Bernitzky, Helmut Prosch, Marco Idzko, Daniel Gompelmann

PA3661 **Mortality predictions of CURB-65, GPS and CALL scores in hospitalized patients with COVID-19**
Gülistan Karadeniz (Izmir, Turkey), Fatnanur Kazankaya, Melih Buyukşiirin, Mine Gayaf, Filiz Guldaval, Fatma Demirci Ucsular, Ceyda Anar, Gülru Polat, Özgür Batum, Aysu Ayrancı, Enver Yalnız

PA3662 **Usefulness of CURB-65, PSI and MuLBSTA in predicting COVID-19 mortality**
Luca Novelli (Bergamo, Italy), Carlo Preti, Roberta Biza, Arianna Ghirardi, Caterina Conti, Chiara Galimberti, Lorenzo Della Bella, Irdi Memaj , Ivan Oppedisano, Federico Zanardi, Fabiano Di Marco, Roberto Cosentini

PA3663 **Covid-19 and gender: lower rate, but same mortality of severe disease in women**
Luca Novelli (Bergamo, Italy), Federico Raimondi, Arianna Ghirardi, Filippo Maria Russo, Dario Pellegrini, Roberta Civiletti, Lisa Giuliani, Roberta Biza, Chiara Allegri, Marisa Anelli, Roberta Trapasso, Mariangela Amoroso, Lucia Gandini, Sofia Comandini, Caterina Conti, Claudia Maria Sanfilippo, Gianluca Imeri, Gianmariano Marchesi, Ferdinando Luca Lorini, Fabiano Di Marco

PA3664 **preditive factors of severe outcome in patients with covid-19 pneumonia**
Donia Belkhir (Tunis, Tunisia), Mariem Maalej, Hana Blibech, Houda Snene, Aymen Jbali, Israa Wadhane, Line Kaabi, Ahmed Laater, Nadia Mehiri, Nozha Ben Salah, Bechir Louzir

PA3665 **Prognostic usefulness of severity scales for the initial assessment of elderly people with a diagnosis of pneumonia due to COVID-19. Design of a multivariate predictive model of mortality.**
Carolina Andrea Urbina Carrera (Valladolid, Spain), Raúl López-Izquierdo, Tomás Ruiz Albi, Jesús Francisco Bermejo-Martín, Raquel Almansa, Fátima Villafañe Sanz, Lucia Arroyo Olmedo, Susana Sánchez Ramón, Francisco Martín-Rodríguez, Fernando Moreno Torrero, Daniel Álvarez, Félix Del Campo Matía

Pre-congress content Session 401 13:15 - 14:15

E-poster: COVID - 19 treatments

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Disease(s) : Respiratory critical care

Method(s) : General respiratory patient care Public health Epidemiology Respiratory intensive care Endoscopy and interventional pulmonology Imaging Pulmonary rehabilitation Cell and molecular biology

Tag(s) : COVID

Chairs : James D. Chalmers (Dundee (Angus), United Kingdom), Megan Crichton (Dundee (Angus), United Kingdom)

PA3666 **Role of ivermectin in hospitalized patients with mild to moderate COVID-19.**
Syed Muhammad Zubair (karachi, Pakistan), Aqusa Zahid, Talha Shahzad, Ali Bin Sarwar Zubairi, Javaid Ahmed Khan, Muhammad Irfan

PA3667 **Thymalin as an immunomodulation option in severe COVID-19**
Sergey Lukyanov (Chita (Zabaykalsky Krai), Russian Federation), Konstantine Shapovalov, Pavel Tereshkov, Yuri Smolyakov, Ayagma Vanchikova, Boris Kuznik

PA3668 **Azithromycin and Hydroxychloroquine in hospitalized patients with confirmed SARS-CoV-2 infection - a randomized placebo-controlled trial (ProPAC-COVID Trial)**
Pradeesh Sivapalan (Hellerup, Denmark), Charlotte Suppli Ulrik, Therese Sophie Lapperre, Rasmus Dahlin Bojesen, Josefin Viktoria Eklöf, Andrea Browatzki, Jon Torgny Wilcke, Vibeke Gottlieb, Kjell Erik Julius Håkonsson, Casper Tidemandsen, Oliver Djurhuus Tupper, Howraman Meteran, Christina Bergsøe, Eva Brøndum, Uffe Christian Steinholtz Bødtger, Daniel Bech Rasmussen, Sidse Graff Jensen, Lars Pedersen, Alexander Jordan, Helene Priemé, Christian Søborg, Ida E. Steffensen, Dorthe Høgsberg, Tobias Wirenfeldt Klausen, Martin Steen Frydland, Peter Lange, Asger Sverrild, Muzhda Ghanizada, Filip Krag Knop, Tor Biering-Sørensen, Jens D. Lundgren, Jens-Ulrik Stæhr Jensen

PA3669	**N-acetylcysteine (NAC) in the complex treatment of COVID-associated pneumonia** Viliya Gaynitdinova (Ufa (Republic of Bashkortostan), Russian Federation), Sergey Avdeev, Zamira Merzhoeva, Galia Nuralieva
PA3670	**Self-proning in COVID-19 patients on low-flow oxygen therapy. A cluster randomised controlled trial** Aileen Kharat (Genève, Switzerland), Elise Dupuis-Lozeron, Chloé Cantero, Christophe Marti, Olivier Grosgurin, Sanaz Lolachi, Frédéric Lador, Jérôme Plojoux, Jean-Paul Janssens, Paola Soccal, Dan Adler
PA3671	**Addition of convalescent plasma to systemic corticosteroids in early phase of COVID-19** AYCAN YUKSEL (Ankara, Turkey), Ceren Ilgar, Asya Eylul Agaoglu, Evrim Eylem Akpinar
PA3672	**Corticotherapy in SARS CoV 2 pneumonia. Is it useful?** Alvaro Martinez Mesa (Malaga, Spain), Javier Lopez Garcia, Esther Sanchez Alvarez, Ana Aguilar Alvarez, Eva Cabrera Cesar, Lorena Piñel Jimenez
PA3673	**A novel ambulatory management pathway for Cobid-19 patients using home oximetry.** Shashank Sharma (Woking Surrey, United Kingdom), Sujoy Saikia, Ali Fawzi, Sriram Thillainayagam, C Wade, Frederick Tibbs, Elise Spiers, Jola Karaj
PA3674	**COVID-19: treatment of early chronic COVID syndrome** Roman Bontsevich (Belgorod, Russian Federation), Yana Vovk, Liliya Solovyova
PA3675	**The frequency of prescribing antimicrobial drugs in the initial therapy of COVID-19 at the outpatient stage** Roman Bontsevich (Belgorod, Russian Federation), Vsevolod Vinyukov, Tatyana Subina, Yana Vovk, Diana Dubonosova
PA3676	**Tocilizumab treatment for patients with Covid-19 pneumonia - a single centre observational study** Daniela Stefana Gologanu (Bucuresti (Sector 1), Romania), Victorita Micu, Valentin Nedelcu, Ion Andrei Ion, Marius Ioan Balea
PA3677	**Practical experience in optimizing Covid-19 therapy in an outpatient setting** Roman Bontsevich (Belgorod, Russian Federation), Yana Vovk, Liliya Solovyova
PA3678	**UTILITY OF BRONCHOALVEOLAR LAVAGE(BAL) TO DETECT INFECTIOUS COMPLICATIONS IN PATIENTS WITH SEVERE SARS-COV-2 PNEUMONIA** Beatriz Gonzalez Quero (bilbao, Spain), Leyre Serrano Fernández, Alejandro Rezola Carasusan, Marta García Moyano, Sonia Castro Quintas, Amaia Urrutia Gajate, Luis Alberto Ruiz Iturriaga, Rafael Zalacain Jorge
PA3679	**Clinical effectiveness of recommended antibiotics in COVID19 pneumonias; assessing national referral centre guidance** Eleni Bellou (Glyfada, Greece), Elli Keramida, Irma Bracka, Andreas Paraskevas, Christina Gkriniouk, Spyridon Mazarakis, Theodoros Daskalos, Ioannis Karampinis, Panagiotis Demertzis, Georgia Hardavella
PA3680	**Hypovitaminosis D and severity of COVID19 respiratory infection in a respiratory intensive care unit (RICU) in Apulia southern Italian region** Paola Pierucci (Bari, Italy), Vitaliano Quaranta, Maria Grazia Tummolo, Andrea Portacci, Valentina Di Lecce, Alessandro Palumbo, Pier Luigi Intiglietta, Giovanna Elisiana Carpagnano
PA3681	**Convalescent Plasma does not improve in-hospital mortality among low SARS-CoV-2-IgG antibodies in COVID-19 hospitalized patients** Marcos I. Restrepo Montoya (San Antonio, United States of America), Felix C. Wangmang, Cadena Jose, Sandra E. Sanchez-Reilly, Nilam Soni, Antonio Anzueto
PA3682	**Lung ultrasound may be a valuable aid in decision making for patients admitted with COVID-19 disease** Niels Jacobsen (Odense M, Denmark), Casper Falster, Lone Wolff Madsen, Line Dahlerup Rasmussen, Jesper Rømhild Davidsen, Fredrikke Christie Knudtzen, Stig Lønberg Nielsen, Isic Somuncu Johansen, Christian Borbjerg Laursen
PA3683	**Clinical outcomes and use of 4C mortality scoring in COVID-19 patients treated with Remdesivir in a large UK centre** Hannah Petty (Manchester, United Kingdom), Lydia Baines, Emilia Danielsson-Waters , Catherine Child, Caroline Templeton, John Bright, Sarah Paterson, Seema Brij, Thomas Gorsuch
PA3684	**Effectiveness of favipiravir in COVID-19 patients with risk factors for mortality: A real world experience from India.** Saiprasad Patil (Mumbai, India), Sagar Panchal, K Venugopal, Agam Vora, Anil Daxini, Pramod Dadhich, Sagar Bhagat, Hanmant Barkate

Pre-congress content Session 402 13:15 - 14:15

E-poster: Advanced in vitro models for drug discovery

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

Method(s) : Cell and molecular biology

Chairs : Reinoud Gosens (Groningen, Netherlands), Anne M. van der Does (Leiden, Netherlands)

PA3685	**Changes in human airway cells transcriptome during epithelial wound repair** Beata Narozna (Poznań, Poland), Wojciech Langwiński, Zuzanna Stachowiak, Ewelina Bukowska-Olech, Aleksandra Szczepankiewicz
PA3686	**Role of stromal cells during human iPSC differentiation into bronchial epithelium** Amel Nasri (Montpellier, France), Florent Foisset, Engi Ahmed, Isabelle Vachier, Said Assou, Arnaud Bourdin, John De Vos
PA3687	**Generating senescent airway epithelial cell populations using low-concentration doxorubicin or etoposide** Shyreen Hassibi (London, United Kingdom), Jonathan Baker, Peter Barnes, Louise Donnelly
PA3688	**Chalcones: isoliquiritigenin and flavokawain A reduce asthma-related fibroblast to myofibroblast transition, intensified by TGF-ß1** Dawid Wnuk (Kraków, Poland), Alicja Ślusarczyk, Milena Paw, Justyna Drukała, Marta Michalik
PA3689	**Mycobacterium tuberculosis modulates mitochondrial function in human macrophages** Claudio Bussi (London, United Kingdom), Mariana Silva Dos Santos, Elliott M. Bernard, Pierre B. Santucci, James I. Macrae, Maximiliano G. Gutierrez
PA3690	**Commensal lung microbiota members inhibit activation of the pro-inflammatory NF-?B pathway in three-dimensional lung epithelial cells** Ellen Goeteyn (Sint-Amandsberg, Belgium), Charlotte Rigauts, Lucia Grassi, Gina Van Damme, Eva Van Braeckel, Tom Coenye, Aurélie Crabbé
PA3691	**Establishing ex vivo infection to influenza A virus in mouse precision cut lung slices** Julia Chitty (Berwick, Australia), Lovisa Dousha, Philip Bardin, Jane Bourke, Belinda Thomas
PA3692	**In vitro culture of basal-like cells from fibrotic peripheral lung tissue** Katrin Esther Hostettler (Basel, Switzerland), Sabrina Blumer, Petra Khan, Julien Roux, Spasenija Savic, Lars Knudsen, Danny Jonigk, Mark Kuehnel , Michael Tamm
PA3693	**Multidimensional scaling in Euclidean space of cytokine responses to document hyperinflammation in cystic fibrosis cells** Nurlan Dauletbaev (Marburg, Germany), Wided Akik, Anne-Christin Hauschild, Thomas Damm , Assel Suleimenova, Ainash Oshibayeva, Zhanna Kalmatayeva, Claus Vogelmeier, Larry Lands
PA3694	**Image analysis of tissue macrophages to confirm differential phagocytosis between groups by microscopy and automated bacterial quantification** Riccardo Wysoczanski (Cambridge, United Kingdom), Jonathan Baker, Peter Fenwick, Chris Dunsby, Paul French, Peter Barnes, Louise Donnelly
PA3695	**LSC - 2021 - Role of mitochondrial function of lung mesenchymal stem cells in idiopathic pulmonary fibrosis** Joan Truyols (Inca, Spain), Aina Martin (ainamartin89@gmail.com / Inflammation, Repair and Cancer in Respiratory Diseases, Balearic Islands Health Research Institute (IdISBa),Palma), Andreas Jahn (a.jahn@animalstemcare.com / Inflammation, Repair and Cancer in Respiratory Diseases, Balearic Islands Health Research Institute (IdISBa),Palma), Carlos Rio (crio.ssib@gmail.com / Inflammation, Repair and Cancer in Respiratory Diseases, Balearic Islands Health Research Institute (IdISBa),Palma), Ernest Sala (ernest.sala@ssib.es / Inflammation, Repair and Cancer in Respiratory Diseases, Balearic Islands Health Research Institute (IdISBa),Palma), Josep Mercader (josep.mercader@uib.es / Inflammation, Repair and Cancer in Respiratory Diseases, Balearic Islands Health Research Institute (IdISBa); Department of Fundamental Biology and Health Sciences, University of the Balearic Islands; Foners Veterinary Medicine And Innovation SLP,Palma)
PA3696	**Differential effects of Nintedanib and SB525334 in primary human cell-based assays of lungfibrosis** Vanessa Pitozzi (Parma (PR), Italy), Paola Caruso, Martina Bonatti, Britt Sotthewes, Jeroen Degroot, Gino Villetti, Maurizio Civelli, Marcello Trevisani, Maria Gloria Pittelli
PA3697	**Neutrophil activity assessed using a novel serological marker of human neutrophil elastase degraded calprotectin is elevated in patients with COPD or IPF** Annika Hummersgaard Hansen (Herlev, Denmark), Joachim Høg Mortensen, Sarah Rank Rønnow, Morten Karsdal, Anne-Christine Bay-Jensen, Diana Julie Leeming, Jannie Marie Bülow Sand

PA3698 **Murine precision cut lung slices as a novel 3D-model for studying endocytic pathways in the lung**
Vitalii Kryvenko (Giessen, Germany), Vitalii Kryvenko, Andrés Alberro Brage, Werner Seeger, Susanne Herold, Christos Samakovlis, István Vadász

PA3699 **Impact of cellular composition on SARS-CoV-2 infection biology and pathogenesis in primary human airway epithelial cells**
Ying Wang (Leiden, Netherlands), Melissa Thaler, Dennis K. Ninaber , Anne M. Van Der Does, Natacha S. Ogando, Hendrik Beckert , Christian Taube , Clarisse Salgado Benvindo Da Silva , Peter J. Bredenbeek , Pieter S. Hiemstra, Martijn J. Van Hemert

PA3700 **Characterization of well-differentiated bronchial epithelial cells derived from severe COPD patients**
Hong Guo-Parke (Belfast (Northern Ireland), United Kingdom), Dermot Linden, Ian Scott, Helen Killick, Lee Borthwick, Andrew Fisher, Sinéad Weldon, Clifford Taggart, Joseph Kidney

PA3701 **Characterization of human airway epithelial cell lines as in vitro models of chronic obstructive pulmonary disease**
Aude Bodin (Rennes, France), Tatiana Victoni, Yann Verres, Pascale Bellaud, Alain Fautrel, Thomas Gicquel, Françoise Pons, Vincent Lagente

PA3702 **LSC - 2021 - 3D printing aids simultaneous isolation of proximal and distal lung epithelial progenitors from individua l mice**
Hani N. Alsafadi (Gaza, Palestine), John Stegmayr (john.stegmayr@med.lu.se / Lund University,Lund), Victoria Ptasinski (victoria.ptasinski@astrazeneca.com / Astrazeneca,Gothenburg), Margareta Mittendorfer (margareta.mittendorfer@med.lu.se / Lund University,Lund), Deniz Bölükbas (deniz.bolukbas@med.lu.se / Lund University,Lund), Lynne Murray (lynne.murray1@astrazeneca.com / Astrazeneca,Cambridge), Darcy Wagner (darcy.wagner@med.lu.se / Astrazeneca,Cambridge)

PA3703 **Precision Cut Lung Slices (PCLS) Thickness has Limited Impact on Tissue Viability**
Rebecca Stinson (Hull, United Kingdom), Alyn Morice, Laura Sadofsky

PA3704 **Electrochemical sensor for evaluating oxidative stress in airway epithelial cells**
Serena Di Vincenzo (Palermo (PA), Italy), Bernardo Patella, Maria Ferraro, Luciano Bollaci, Marco Buscetta, Chiara Cipollina, Giuseppe Aiello, Rosalinda Inguanta, Elisabetta Pace

Pre-congress content Session 403 13:15 - 14:15

E-poster: Biomarkers to phenotype asthma: prediction of exacerbations

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases Interstitial lung diseases

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

Chairs : Fabio L. M. Ricciardolo (Orbassano (TO), Italy), Anirban Sinha (Amsterdam, Netherlands)

PA3705 **Eosinophilic phenotype classification of patients with asthma and/or COPD in NOVELTY**
David Price (Singapore, Singapore), Ian D Pavord, Keith Peres Da Costa, Alvar Agustí, Gary P Anderson, Aruna T Bansal, Elisabeth H Bel, Malin Fagerås, Rod Hughes, Hiromasa Inoue, Glenda Lassi, José María Olaguibel, Alberto Papi, Marcelo Rabahi, Helen K Reddel, Adrian Rendon, Maarten Van Den Berge, Hana Müllerová

PA3706 **Importance of type and degree of IgE sensitisation for defining fractional exhaled nitric oxide reference values**
Suneela Zaigham (Malmö, Sweden), Xingwu Zhou, Magnus Molin , Anders Sjölander, Robert Movérare, Christer Janson, Andrei Malinovschi

PA3707 **Eosinophilic inflammation and muscle mass in chronic airway disease**
Edith Visser (Leeuwarden, Netherlands), Kim De Jong, Tim Van Zutphen, Huib Kerstjens, Anneke Ten Brinke

PA3708 **Phenotyping asthmatic outpatients by cluster analysis in a real-world setting**
Francesca Bertolini (Orbassano, Italy), Giorgio Ciprandi, Fabio Gallo, Elisa Riccardi, Vitina Carriero, Fabio Luigi Massimo Ricciardolo

PA3709 **Stability of blood eosinophils over time in patients with asthma**
Katia Mc Verhamme (Rotterdam, Netherlands), Maria De Ridder, Dave Webb, Dani D. Prieto-Alhambra , Peter Rijnbeek, Lars Pedersen, Melissa K. Van Dyke, Guy Brusselle

PA3710 **The role of education in the comparison between self and physician-administered asthma control test scores.**
Silvano Dragonieri (Bari (BA), Italy), Enrico Scisci, Elena Capozza, Federica Barratta, Maria Luisa De Candia, Giovanna Elisiana Carpagnano

PA3711	**Features of FeNO-high asthma phenotype** Francesca Bertolini (Orbassano, Italy), Andrea Elio Sprio, Elisa Riccardi, Andrea Baroso, Vitina Carriero, Fabio Luigi Massimo Ricciardolo
PA3712	**Comparison between long- and short-term participants in a Disease Management Program (DMP) Bronchial Asthma in North Rhine Westphalia in Germany** Arne Weber (Köln, Germany), Sabine Groos, Jens Kretschmann, Christine Macare, Hagen Bernd
PA3713	**High prevalence of mild asthma among asthmatics visiting emergency department (ED)** Zafeiria Barmparessou (Athens, Greece), Aliki Korkontzelou, Marios Ioannou, Nikolaos Vichos, Margarita Gkotsina, Katerina Mprinia, Vasiliki Saltagianni, Timoleon Giannakas, Vassilis Giannakoulis, Nikolaos Athanasiou, Archontoula Antonoglou, Sophia Gida, Sotiris Kakavas, Georgios Boulbasakos, Sofia Pappa, Efthimios Zervas, Paraskevi Katsaounou
PA3714	**Assessing the Asthma Impairment and Risk Questionnaire's ability to predict exacerbations** David Beuther (Denver, United States of America), Kevin R. Murphy, Robert S. Zeiger, Robert A. Wise, William Mccann, Joan Reibman, Maureen George, Ileen Gilbert, James M. Eudicone, Hitesh N. Gandhi, Melissa Ross, Karin S. Coyne, Bradley Chipps
PA3715	**Acute exacerbation phenotypes of asthma and COPD: impact on clinical outcomes** Muzhda Ghanizada (Copenhagen, Denmark), Ajmal Jabarkhil, Susanne Hansen, Nanna Dyhre-Petersen, Christian Woehlk, Marianne Baastrup Søndergaard, Therese Lapperre, Celeste Porsbjerg
PA3716	**Heterogeneity and time course of asthma exacerbations: data from AUSTRI** Helen Reddel (Sydney, Australia), William Busse, Klaus F Rabe, Bhumika Aggarwal, Richard Forth, Isabelle Boucot, Ibrahim Raphiou, David Stempel
PA3717	**Burden of asthma by treatment step in the French CONSTANCES general population cohort** Nicolas Roche (Paris, France), Rachel Nadif, Caroline Fabry-Vendrand , Laura Pillot, Gabriel Thabut, Clément Teissier, Stéphane Bouée, Marie Zins, Marcel Goldberg
PA3718	**Asthma management - opinion of family doctors and patient's view** Anna V Demchuk (Vinnytsia, Ukraine), Yuriy M Mostovoy, Tetyana V Konstantynovych
PA3719	**A pictorial asthma action plan to improve asthma control in Malaysian adults** Shariff-Ghazali Sazlina (UPM Serdang, Malaysia), Ping Yein Lee, Ai Theng Cheong, Hani Syahida Salim, Norita Hussein, Hilary Pinnock, Su May Liew, Nik Sherina Hanafi, Chiu-Wan Ng, Rizawati Ramli, Azainorsuzila Mohd Ahad, Bee Kiau Ho, Salbiah Mohamed Isa, Richard Parker, Andrew Stoddart, Yong Kek Pang, Karuthan Chinna, Ee Ming Khoo
PA3720	**Methotrexate treatment in recent onset RA does not change the NO dynamics of the lung** Marieann Högman (Uppsala, Sweden), Anders Lind, Anders Larsson, Johan Rönnelid, Tomas Weitoft
PA3721	**LSC - 2021 - Effects of mild to moderate asthma in pregnancy on the wellbeing of mother and newborn; A cas e control study from Sri Lanka.** Duminda Yasaratne (Kandy, Sri Lanka), Thushani Anuththara (tanuththara@gmail.com / University of Peradeniya,Kandy), Gihani Jayalath (gihani.jayalath2@gmail.com / University of Peradeniya,Kandy), Farook Rafsanjani (jani.rafsan@gmail.com / University of Peradeniya,Kandy), Sajith Priyankara (tmspriyankara@gmail.com / National Institute of Fundamental Studies,Kandy), Gayan Bowatta (gbowatte@gmail.com / University of Peradeniya,Kandy), Chathura Rathnayake (chathura.ratnayake@gmail.com / University of Peradeniya,Kandy), Samath Dharmarathne (samath.dharmaratne@mbbs.md / University of Peradeniya,Kandy), Shyamali Dharmage (s.dharmage@unimelb.edu.au / University of Melbourne,Melbourne)
PA3722	**Late Breaking Abstract - Small airways dysfunction predicts asthma control and exacerbations: Longitudinal Data from ATLANTIS Study** Monica Kraft (Tucson, United States of America), Matthew Richardson, Brian Hallmark, Dean Billheimer, Marteen Van Den Berge, Leonardo Fabbri, Thys Van Der Molen, Gabriele Nicolini, Alberto Papi, Klaus F Rabe, Dave Singh, Chris Brightling, Salman Siddiqui
PA3723	**Late Breaking Abstract - Adrenal function improvement after oral corticosteroid reduction in benralizumab-treated severe eosinophilic asthma: PONENTE maintenance phase** Mark Gurnell (Cambridge, United Kingdom), Mark Gurnell, Liam G. Heaney, Andrew Menzies-Gow, Jonathan Corren, Elisabeth H. Bel, Jorge Maspero, Timothy Harrison, David J. Jackson, David Price, Njira Lugogo, Annie Burden, Alex De Giorgio-Miller, Kelly Padilla, Ubaldo J. Martin, Esther Garcia Gil, James Kreindler
PA3724	**Late Breaking Abstract - The SF-36 quality of life scales are sensitive measures of lung function decline** Jorunn Kirkeleit (Bergen, Norway), Trond Riise, Debbie Jarvis, Francisco Gomez Real, Christer Janson, Benedicte Leynaert*, Cecilie Svanes*

Pre-congress content Session 404 13:15 - 14:15

E-poster: Advances in asthma treatment: monoclonal antibodies

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases

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

Chairs : Salman Siddiqui (Leicester, United Kingdom), Corrado Pelaia (Catanzaro (CZ), Italy)

PA3725	**Utility of Interleukin-5 in phenotyping allergic versus non allergic asthma** Jyoti Bajpai (Lucknow (Uttar Pradesh), India), Darshan Kumar Bajaj, Naveen Kumar, Richa Tyagi, Surya Kant, R A S Kushwaha, Ajay Kumar Verma
PA3726	**Characteristics of a real world cohort of Canadians treated with benralizumab** Erika Penz (Saskatoon, Canada), Stephen G Noorduyn, Mackenzie A Hamilton, Brett Lancaster, Alain Gendron, Lawrence Mbuagbaw, Erika Penz
PA3727	**Mepolizumab in the treatment of severe asthma with nasal polyposis: real-life study** Sara Maria da Costa Martins (Maia, Portugal), Eduarda Tinoco, Bruno Cabrita, Daniela Machado, Inês Franco, Inês Ladeira, Ivone Pascoal, Ricardo Lima, Salete Valente
PA3728	**Spanish consensus on the characteristics of severe asthmatic patients under biological treatment suitable for at home administration** Manuel Rial (A Coruña, Spain), Ana Gomez-Bastero Fernandez, Eusebi Chiner, Carolina Cisneros Serrano, Juan Manuel Igea, Elena Villamañán Bueno, Manuel Jorge Rial, Maria José Pla Martí, Valentín López Carrasco, Ana Martínez Meca, Luis Carlos Fernández Lisón, Mª Guadalupe Sánchez-Herrero, Beatriz Velasco-Laorga
PA3729	**Real-world patient characteristics and eligibility for biologics in severe asthma (RECOGNISE)** Frank Kanniess (Reinfeld (Holstein), Germany), Lilla Tamasi, Robert R. Mroz, Petros Bakakos, Susanne Tubis, Gustavo Resler Plat, Anat Shavit
PA3730	**Heterogeneous response of airway eosinophilia to biologics in severe asthma patients** Sabina Skrgat (Golnik, Slovenia), Maruša Kopač, Matija Rijavec, Uška Bidovec Stojković, Izidor Kern, Romana Vantur, Peter Korošec
PA3731	**Omalizumab exposure patterns in real-life: An 11-year French population-based study of 19,203 patients with severe asthma.** Marc Humbert (Le Kremlin-Bicêtre, France), Arnaud Bourdin, Antoine Deschildre, Mathieu Molimard , Camille Taille, Driss Kamar, Céline Thonnelier , Audrey Lajoinie, Alexandre Rigault
PA3732	**Long-term oral corticosteroid-sparing effects of anti-IL5/anti-IL5 receptor treatment.** Anne Sofie Bjerrum (Århus, Denmark), Skjold Tina, Schmid Johannes Martin
PA3733	**Effect of dupilumab on patient-reported sleep outcomes in patients with severe asthma** Yi Zhang (Tarrytown, United States of America), Lawrence Sher, Giovanni Passalacqua, Camille Taillé, Lauren Cohn, Santiago Quirce, Nadia Daizadeh, Nami Pandit-Abid, Benjamin Ortiz, Asif H. Khan
PA3734	**Identifying super-responders to benralizumab in severe asthma** David J Jackson (London, United Kingdom), Tim Harrison, Francesco Menzella, Vivian H Shih, Annie Burden, Esther Garcia Gil
PA3735	**Real-life impact of weight in severe eosinophilic asthma patients treated with benralizumab** Francesco Menzella (Reggio Emilia (RE), Italy), Maria Aliani, Elena Altieri, Pietro Bracciale, Stefano Centanni, Fausto De Michele, Fabiano Di Marco, Girolamo Pelaia, Micaela Romagnoli, Pietro Schino, Silvia Boarino, Gianfranco Vitiello, Paola Rogliani
PA3736	**Eosinophils in bronchial biopsy predict functional response to biological therapy in severe asthma** Fco.De Borja García Cosío Piqueras (Palma de Mallorca, Spain), Hanaa Shafiek, Amanda Iglesias, Cristina Gomez, Mar Mosteiro, Jacinto Ramos, Antolin Lopez Viña, Luis Perez De Llano, Alfons Torrego, Ines Escribano, Carlos Almonacid, Carlos Melero, Celia Pinedo
PA3737	**Severe asthma outcomes over two years of therapy with mepolizumab** Lynn Elsey (Hale, United Kingdom), Thomas Pantin, Leanne J Holmes, Gael Tavernier, Stephen J Fowler
PA3738	**Omalizumab in severe allergic asthma associated with COPD: a multicentric cohort study** Sophie Pereira (Croix, France), Nathalie Bautin, Juliette Verhille, Philippe Bonniaud, Gilles Devouassoux, Stephanie Fry, Laurent Guilleminault, Naji Khayath, Christophe Leroyer, Cecile Chenivesse, Nathalie Bautin

PA3739 **Impact of biologic therapy in severe asthma with nasal polyps**
Eduarda M. Tinoco (Porto, Portugal), Ana R. Gigante, Ana L. Fernandes, Bruno Cabrita, Cátia Santa, Inês Sucena, Margarida Silva, Sara Martins, Daniela Machado, Inês Franco, Inês Ladeira, Ivone Pascoal, Ricardo Lima

PA3740 **Real-world Omalizumab and Mepolizumab treated Difficult Asthma Phenotypes and their Clinical Outcomes**
Wei Chern Gavin Fong (Isle of Wight, United Kingdom), Adnan Azim, Deborah Knight, Heena Mistry, Anna Freeman, Mae Felongco, Aref Kyyaly, Matthew Harvey, Paddy Dennison, Hongmei Zhang, Peter Howarth, Syed Hasan Arshad, Ramesh Kurukulaaratchy

PA3741 **Utility of adherence checks in patients with severe asthma eligible for biologics: a single centre retrospective analysis**
Madeleine E Oliver (Oxford, United Kingdom), Sarah Poole, Catherine Borg, Clare Connolly, Ian D Pavord, Timothy S C Hinks, Simon Couillard

PA3742 **The effectiveness of anti-IL5 biologics is comparable in previous-smokers and never-smokers with severe asthma**
Susanne Hansen (Frederiksberg, Denmark), Susanne Hansen, Charlotte Ulrik, Ole Hilberg, Anna Von Bülow, Anders Christiansen, Claus R Johnsen, Johannes Schmid, Anne Sofie Bjerrum, Karin Assing, Alexandra Wimmer-Aune, Niels Krogh, Linda Rasmussen, Celeste Porsbjerg

PA3743 **Real-World Experience with dupilumab in Severe Asthma: One year data from an Italian Named Patient Program**
Santi Nolasco (Catania, Italy), Raffaele Campisi, Claudia Crimi, Nicola Scichilone, Morena Porto, Gabriella Guarnieri, Alberto Papi, Bianca Beghé, Pietro Impellizzeri, Nunzio Crimi

Pre-congress content Session 405 13:15 - 14:15

E-poster: Interstitial lung disease around the world

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

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

Chairs : Catharina Moor (Rotterdam, Netherlands), Michael Kreuter (Heidelberg, Germany)

PA3744 **Clusters of comorbidities in unclassifiable interstitial lung disease**
Thomas Skovhus Prior (Egå, Denmark), Charlotte Hyldgaard, Sebastiano Emanuele Torrisi, Sissel Kronborg-White, Claudia Ganter, Michael Kreuter, Elisabeth Bendstrup

PA3745 **IPF cluster analysis highlights diagnostic delay and cardiovascular comorbidities association with outcome**
Jaume Bordas-Martínez (barcelona, Spain), Ricard Gavaldà, Jessica Shull, √anesa Vicens-Zygmunt, Lurdes Planas-Cerezales, Guadalupe Bermudo-Peloche, Salud Santos, Neus Salord, Carmen Monasterio, Guillermo Suarez-Cuartin, Maria Molina-Molina

PA3746 **PULMONARY HYPERTENSION IN PATIENTS WITH IDIOPATHIC PULMONARY FIBROSIS ON ANTI-FIBROTIC TREATMENT WITH PIRFENIDONE OR NINTEDANIB: CLINICAL EVALUATION AND PROGNOSTIC IMPACT**
Silvia Romana Stornelli (Roma, Italy), Donato Lacedonia, Giulia Scioscia, Filomena Simone, Giorgia Lepore, Roberto Sabato, Giulio Giganti, Gianluca Ciliberti, Maria Pia Foschino Barbaro

PA3747 **All-cause mortality in an Idiopathic Pulmonary Fibrosis (IPF) cohort: retrospective analysis with cardiac QRISK-2**
Matthew Watson (Cambridge, United Kingdom), Thomas McLellan, Muhunthan Thillai

PA3748 **Do worse scores on patient-reported outcomes predict the progression of interstitial lung disease (ILD)?**
Marlies S. Wijsenbeek (Rotterdam, Netherlands), Paolo Spagnolo, Martin Kolb , Michael Kreuter, Hillario Nunes, Wibke Stansen , Klaus Rohr, Giichi Inoue

PA3749 **Patient-reported outcomes in idiopathic pulmonary fibrosis; validity and reliability of visual analogue scales**
Catharina Moor (Rotterdam, Netherlands), R.L.M. Mostard, J.C. Grutters, P. Bresser, J.G.J.V. Aerts, M.S. Wijsenbeek

PA3750 **Validation of the SGRQ-I derived from SGRQ**
Thomas Skovhus Prior (Egå, Denmark), Nils Hoyer, Saher Burhan Shaker, Jesper Rømhild Davidsen, Ole Hilberg, Haridarshan Patel, Elisabeth Bendstrup

PA3751 **Evaluation of three dyspnea questionnaires in the progression of Interstitial Lung Diseases.**
Onofre Moran Mendoza (Kingston (ON), Canada), Sami Alyami, Andres Moran-Macdonald, Maxine Kish, Sean Davison

PA3752 **PFBIO EXA: A prospective cohort of respiratory hospitalization in IPF patients.**
Emilia Achilles Åttingsberg (København N, Denmark), Nils Hoyer, Thomas Skovhus Prior, Elisabeth Bendstrup, Saher Shaker

PA3753 **Association between FVC and mortality or survival in idiopathic pulmonary fibrosis: a systematic literature review**
Maria Molina-Molina (Barcelona, Spain), Erin Hart, Beth Lesher, Anna Ribera, Jonathan Langley, Haridarshan Patel

PA3754 **Nutritional assessment in patients with idiopathic pulmonary fibrosis: the NUTRIPF study**
Paola Faverio (Limbiate (MI), Italy), Alessia Fumagalli, Sara Conti, Fabiana Madotto, Sara Busnelli, Francesco Bini, Sergio Harari, Michele Mondoni, Tiberio Oggionni, Emanuela Barisione, Paolo Ceruti, Chiara Papetti, Angelo De Laurentis, Antonella Caminati, Angela Valentino, Stefano Centanni, Donatella Noè, Matteo Della Zoppa, Silvia Crotti, Marco Grosso, Samir Giuseppe Sukkar, Denise Modina, Marco Andreoli, Roberta Nicali, Giulia Suigo, Federica De Giacomi, Lorenzo Giovanni Mantovani, Alberto Pesci, Fabrizio Luppi

PA3755 **Association between Pulmonary Infections and the Prognosis in Patients with Idiopathic Pulmonary Fibrosis**
Masuda Norestani (Farum, Denmark)

PA3756 **Unclassifiable Interstitial Lung Disease (ILD). Why?**
Elizabeth De Freitas Gonzalez (León, Spain), Carmen López Garay, Cristina Menéndez Sánchez, Carlos Mier Bango , Pablo Franco Suárez, Laura Sierra Herranz, Elena Bollo De Miguel , Javier Juan García, Nieves Alonso Orcajo , Juan Ignacio López Fernández, Silvia Fernández Huerga

PA3757 **Economic impact of IPF exacerbations in Spain: prospective, observational, multicentric study (OASIS study)**
Alba Ramon (B, Spain), Esteban Cano-Jiménez, Maria Jesus Rodríguez-Nieto, Ana Dolores Romero Ortiz, Ana Villar, Sílvia Armengol, Anna Julià, Marta Morros

PA3758 **Epidemiology of Idiopathic Pulmonary Fibrosis in Australia**
Ingrid A. Cox (Bellerive (TAS), Australia), Petr Otahal, Barbara De Graaff, Tamera Corte, E. Haydn Walters, Andrew J. Palmer

PA3759 **Frequency of observed interstitial lung disease in a secondary care hospital in the North West of England.**
Shan Liung Liew (Leeds (England), United Kingdom), Conal Hayton, Zoe Borrill, Hou Law, Georges Ng Man Kwong

PA3760 **Association between severity of Idiopathic Pulmonary Fibrosis and air Pollution levels in Madrid**
Pablo Mariscal Aguilar (Madrid, Spain), Luis Gómez Carrera, Ester Zamarrón De Lucas, Carlos Carpio Segura, María Hidalgo Sánchez, Gema Bonilla Hernán, María Isabel Torres Sánchez, María Fernández-Velilla Peña, Prudencio Díaz-Agero Álvarez, Elena Villamañán Bueno, Rita Regojo Zapata, Concepción Prados Sánchez, Rodolfo Álvarez-Sala Walther

PA3761 **Association between mortality of Idiopathic Pulmonary Fibrosis and air Pollution levels in Madrid**
Pablo Mariscal Aguilar (Madrid, Spain), Luis Gómez Carrera, Carlos Carpio Segura, Ester Zamarrón De Lucas, María Hidalgo Sánchez, Gema Bonilla Hernán, María Isabel Torres Sánchez, María Fernández-Velilla Peña, Prudencio Díaz-Agero Álvarez, Elena Villamañán Bueno, Rita Regojo Zapata, Concepción Prados Sánchez, Rodolfo Álvarez-Sala Walther

PA3762 **Real-world antifibrotic treatment persistence and clinical outcomes for patients with idiopathic pulmonary fibrosis**
Ying Qiu (Princeton, United States of America), Julia Zhu, Brandon Elpers, Jenny Jiang, Adesuwa Ogbomo, Rajesh Mallampati, Clare Byrne, Jackson Tang, Aryeh Fischer

PA3763 **Effect of sildenafil add-on to antifibrotic treatment in IPF patients**
Jieun Kang (Seoul, Republic of Korea), Jin Woo Song

Pre-congress content Session 406 13:15 - 14:15

E-poster: COVID19, acute respiratory failure and basic science

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Respiratory critical care

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

Tag(s) : COVID

Chairs : Ignacio Martin-Loeches (Dublin, Ireland), Zhonghua Shi (Amsterdam, Netherlands)

PA3764 **Association of plasma level of Mixed lineage kinase domain-like protein with severity and outcome of sepsis**
Hongseok Yoo (Seoul, Republic of Korea), Jin Young Lee, Junseon Park, Kyeongman Jeon

PA3765 **MMP2 probe based on in vivo imaging technique for tracking ALI/ARDS in mice**
Nuha Alekhmimi (Riyadh, Saudi Arabia), Jurgen Popp, Mohammed Zourob

PA3766 **Evaluation of the relationship between KIM-1 and suPAR level in COVID-19 patients and a different perspective on suPAR**
Buğra Kerget (Erzurum, Turkey), Ferhan Kerget, Alperen Aksakal, Seda Aşkın, Elif Yılmazel Uçar, Leyla Sağlam

PA3767	**Epidemiological profile and clinical outcomes of patients hospitalized for COVID-19 in a medium complexity Brazilian hospital** Agostinho Hermes Medeiros De Neto (João Pessoa (PB), Brazil), Mariana Pereira Morais, Luiz Felipe Diniz Cavalcanti, Mustapha Muhammed Kane, Maria Beatriz Oliveira Sarmento, Lucas W. N Farias Barro, Cristianne Silva Alexandre
PA3768	**The efficacy of convalescent plasma therapy in severe COVID-19 patients: a systematic review** Swathi Muddasani (South Miami, United States of America), Zar Kotlarsic, Kuchalambal Agadi, Michelle Jeu, Amanda Chavarria, Omoyeme Edaki, Marcos Sanchez-Gonzalez
PA3769	**Economic burden associated with clinical management of COVID-19 – A literature review** Ember Lu (Philadelphia, United States of America), Eileen Han, Anne E Heyes, Josephine Mauskopf, Marguerite G Bracher, Helen J Birch
PA3770	**LSC - 2021 - Can Hematological Ratios Predict Outcome of COVID-19 Patients? Egyptian Multicentric Study.** Mai M. Aly (Assiut, Egypt), Taghreed S. Meshref (Tagreed.meshref@aun.edu.eg / Critical Care unit, Department of Internal Medicine, Faculty of Medicine, Assiut University,Assiut), Marwa A. Abdelhameid (Marwa.ahmed@aswu.edu / Department of Internal Medicine, Faculty of Medicine, ,Aswan) , Shimaa A. Ahmed (shimaahaematology1617@gmail.com / Department of Internal Medicine, Faculty of Medicine, ,Qena) , Asmaa S Shaltout (AsmaaShaltout@aun.edu.eg / Department of Bacteriology and Immunology,Assiut), Alaa Eldin Abdel-Moniem (alaaelmoniem@yahoo.com / Critical Care unit, Department of Internal Medicine, Faculty of Medicine, Assiut University,Assiut), Dina A Hamad (dinaalihamad@aun.edu.eg / Critical Care unit, Department of Internal Medicine, Faculty of Medicine, Assiut University,Assiut)
PA3771	**Health care professionals' perceptions regarding the challenges of mechanical ventilation in the context of the COVID-19 pandemic** Lumie Sabanai Shintaku (Brasilia, Brazil), Fábio Ferreira Amorim , Fábio Henrique Monteiro Oliveira , Carlos Humberto Llanos, Guillermo Alvarez Bestard , Sérgio Henrique Evangelista, Rodrigo Rocha , Julia De Sá Kanbay , Alessandra Maia Freire , Lícia Zanol Lorencini Stanzani , Fernando Viegas Do Monte , Sanderson Cesar Macedo Barbalho
PA3772	**Clinical experience with high-flow nasal cannula for COVID-19 patients in Japan.** Takashi Katsuno (Tokyo, Japan), Manabu Suzuki, Masayuki Hojo, Jin Takasaki, Haruhito Sugiyama
PA3773	**Prolonged mechanical ventilation patients receiving Acupuncture treatment for improving the respiratory status** Chang Yujen (Taichung City, Taiwan), Chen Jiaming, Huang Sungyen
PA3774	**Diaphragm function in patients with sepsis and septic shock. A longitudinal ultrasound study** Aymeric Le Neindre (Férolles-Attilly, France), Johan Wormser, Marta Luperto, Cédric Bruel, Benoit Misset, Belaid Bouhemad, Francois Philippart
PA3775	**Early changes in ARDS severity in COVID-19 patients** Michiel Schuijt (Amsterdam, Netherlands), Marcus Schultz, Frederique Paulus, Ary Serpa Neto
PA3776	**POST-COVID-19 LUNG FIBROSIS: STUDY OF 600 CASES IN TERTIARY CARE SETTING IN INDIA** Shital Vishnu Patil (Latur (Maharashtra), India), Gajanan Gondhali, Rajesh Patil
PA3777	**EFFECT OF HYPERGLYCEMIA ON POST-COVID-19 LUNG FIBROSIS: STUDY OF 600 CASES IN TERTIARY CARE SETTING IN INDIA** Shital Vishnu Patil (Latur (Maharashtra), India), Rajesh Patil, Gajanan Gondhali
PA3778	**Revising risk stratification in mechanically ventilated ICU patients: the longitudinal European BioVent study** Lucas Boeck (Riehen, Switzerland), Hans Pargger, Peter Schellongowski, Charles-Edouard Luyt, Marco Maggiorini, Kathleen Jahn, Jean Chastre, Rene Lötscher, Evelyne Bucher, Nadine Cueni, Martin Siegemund, Thomas Staudinger, Michael Tamm, Daiana Stolz
PA3779	**Hyperoxia on admission and mortality in patients with sepsis.** Lumie Sabanai Shintaku (Brasilia, Brazil), Licia Zanol Lorencini Stanzani, Lumie Shintaku, Daniella Oliveira, Pedro Argote, Rosalia Santana, Clarissa Araújo, Pedro Martins, Lara Mendes, Marcelo Maia, Carlos Silveira, Fabio Amorim
PA3780	**Late Breaking Abstract - Associations of intensity of ventilation with mortality in COVID–19 patients with ARDS** Michiel Schuijt (Amsterdam, Netherlands), David Van Meenen, Ignacio Martin–loeches, Guido Mazzinari, Marcus Schultz, Frederique Paulus, Ary Serpa Neto
PA3781	**Late Breaking Abstract - The mortality predicting factors at admission and during hospitalisation of pateints with SARS COV2** Eritjan Tashi (Fier, Albania), Perlat Kapisyzi, Eugerta Dilka, Sofiela Telo, Alma Teferici, Esmeralda Nushi, Kloedina Bratja, Armela Cuko, Valentina Hima, Luljeta Hoxha, Serxho Golgota, Emira Osja, Franc Rrumbullaku, Marsel Broqi, Edi Vakeflliu, Erjon Sula, Silva Bala

PA3782 **Late Breaking Abstract - Enhanced immune activation pathways enriched in patients =70 years with severe COVID -19**
Sumanta Mukherjee (Collegeville, United States of America), Luke O'Neill, Charlotte Summers, Gift Nyamundanda, Johannes Freudenberg , Anubha Gupta, Julia Smith, Jessica Neisen

Pre-congress content Session 407 13:15 - 14:15

E-poster: Pleural disease and bronchoscopic lung volume reduction

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Respiratory critical care | Thoracic oncology | Airway diseases

Method(s) : General respiratory patient care | Endoscopy and interventional pulmonology | Imaging | Respiratory intensive care

Chairs : Mohammed Munavvar (Preston (Lancashire), United Kingdom), Dirk-Jan Slebos (Groningen, Netherlands)

PA3783 **Complications from thoracocentesis and small bore chest drain : a restropective study from a large UK pleural centre**
Avinash Aujayeb (newcastle, Mauritius), Karl Jackson, Andrew Brown, Claire Storey, Hannah Carlin, Michael Carling, Sean Porritt, Jordan Scott, Saara Hyatali, Joseph Miller, Opeyami Kafi, Hannah Rank, Emily Grimshaw, Dilraj Bhullar

PA3784 **Pneumothorax rates after CT guided biopsy: experience from a high volume cancer centre**
Avinash Aujayeb (newcastle, Mauritius), Parag Narkhede

PA3785 **Day case local anaesthetic thoracoscopy - a review of service**
Avinash Aujayeb (newcastle, Mauritius), Emily Hill

PA3786 **Improving the pleural procedures pathway in a tertiary cardiothoracic and cancer centre**
Rebecca Cuttle (London, United Kingdom), Stephanie Uys, William Ricketts

PA3787 **Comparison of Direct vs Indirect Thoracic Ultrasound (TUS) guidance for pleural procedures and effects on pain scores**
Anand Sundaralingam (Oxford, United Kingdom), Radhika Banka, Nicky Russel, Eihab Bedawi, Nikolaos Kanellakis, Ellayeh Mohamed , Vineeth George, Dinesh Addala, Robert Hallifax, John Wrightson, Najib Rahman

PA3788 **Medical thoracoscopy: a safe approach for treatment of pleural empyema.**
Corrado Ghirotti (Ravenna, Italy), Claudia Ravaglia, Silvia Puglisi, Sabrina Martinello, Christian Gurioli, Fabio Sultani, Venerino Poletti

PA3789 **The value and safety of CT localization under artificial pneumothorax to predict pleural adhesion before medical thoracoscopic giant emphysematous bulla reduction**
Hua Zhang (Rizhao (Shandong), China), Hua Zhang, Yongdeng Cai, Guangwei Xue, Changsheng Ge, Wei Zhang

PA3790 **Monitored Anesthesia Care with Dexmedetomidine in Patients Undergoing Pleuroscopy: Effect on Oxygenation and Respiratory Function. A Prospective, Single-center Study.**
Emmanouil Kapetanakis (Athens, Greece), Andreas Kostroglou, Paraskevi Matsota, Ioannis Tomos, Periklis Tomos, Tatiana Sidiropoulou

PA3791 **Ambulatory Management of Pneumonthorax in a District General Hospital**
Michael Carling (Newcastle, United Kingdom), Avinash Aujayeb

PA3792 **Thoracoscopic evaluation of the effect of tumour burden on the outcome of pleurodesis in malignant pleural effusion**
Mohamed Ellayeh (mansoura, Egypt), Eihab Bedawi, Radhika Banka, Anand Sundaralingam, Vineeth George, Nikolaos Kanellakis, Robert Hallifax, John Wrightson, Najib Rahman

PA3793 **Pleurodosis through drain for malignant pleural effusion : a case control study**
Ines Laouini (Nabeul, Tunisia), Narjess Abid, Manel Loukil, Nada Gader, Slim Kalboussi, Salsabil Bouafia, Hedia Ghrairi

PA3794 **Ultra-late pleural metastasis of breast cancer: are they so rare?**
Davide Biondini (Padova, Italy), Marco Damin, Piergiorgio Baldessari, Mariaenrica Tinè, Elisabetta Cocconcelli, Giulia Andreotti, Michele Rizzo, Matteo Daverio, Carlo Turatto, Erica Bazzan, Graziella Turato, Manuel G Cosio, Marina Saetta

PA3795 **Malignant pleural effusion: different treatments through countries**
Slim Kalboussi (Tunis, Tunisia), Nada Gader, Narjes Abid, Manel Loukil, Hedia Ghrairi

PA3796 **Sustained Results of Bronchoscopic Lung Volume Reduction (BLVR) with Zephyr Valves: Four-year Follow-up - A Case Report**
Hugo Goulart De Oliveira (Porto Alegre (RS), Brazil), Diogo Martins De Oliveira, Fabio Munhoz Svartman, Igor Gorski Benedetto, Ana Luisa Fernandes Dubiela, Taiane Alves Vieira, Narinder S Shargill, Amarilio Vieira De Macedo Neto

PA3797 **Endoscopic lung volume reduction with endobronchial valves in patients with chronic hypercapnic respiratory failure: current data from the national Lung Emphysema Registry (LE-R) in Germany**
Pavlina Lenga (Berlin, Germany), Christian Grah, Christoph Ruwwe-Glösenkamp, Jacopo Saccomanno, Jens Rückert, Stephan Eggeling, Sven Gläser, Sylke Kurz, Gunda Leschber, Stephan Eisenmann, Marcus Krüger, Bernd Schmidt, Paul Schneider, Stefan Andreas, Marc Hinterthaner, Joachim Pfannschmidt, Andreas Gebhardt, Franz Stanzel, Angélique Holland, Andreas Kirschbaum, Birgit Becke, Olaf Schega, Ralf-Harto Hübner

PA3798 **Impact of pneumothorax as complication of endobronchial valve treatment on patient-reported outcomes**
Marlies van Dijk (Groningen, Netherlands), Jorine Hartman, Karin Klooster, David Koster, Dirk-Jan Slebos

PA3799 **Evaluation of the Lung Volume Reduction Reverser System (LVR-R) in treating patients with severe emphysema. Feasibility and safety at 6 months follow up; preliminary results**
Konstantina Kontogianni (Heidelberg, Germany), Judith Brock, Franziska Trudzinski, Claus Peter Heussel, Felix Jf Herth, Ralf Eberhardt

PA3800 **Ten years experience of paediatric airway foreign bodies**
Diana Rotaru-Cojocari (Chișinău, Republic of Moldova), Victor Rascov, Eva Gudumac, Rodica Selevestru, Ina Garbi, Mariana Guzgan, Elena Papadia, Aliona Cotoman, Cristina Tomacinschii, Svetlana Sciuca

PA3801 **Late Breaking Abstract - The role of High Flow Nasal Cannula in reducing hypoxemic events during bronchoscopic procedures compared to Low Flow Nasal Cannula: a metanalysis**
Fotios Sampsonas (Patra, Greece), Vasilios Karamouzos, Theodoros Karampitsakos, Ournia Papaioannou, Matthaios Katsaras, Maria Lagadinou, Dimitrios Velissaris, Grigorios Stratakos, Argyrios Tzouvelekis

PA3802 **Novel Stening® conical airway silicone stent: First experience in central airway stenosis**
Georg Evers (Münster, Germany), Arik B. Schulze, Irina Osiaevi , Rainer Wiewrodt, Annalen Bleckmann, Michael Mohr

Pre-congress content Session 408 13:15 - 14:15

E-poster: COVID - 19 around the globe

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Respiratory critical care | Airway diseases | Pulmonary vascular diseases

Method(s) : Public health | General respiratory patient care | Epidemiology | Respiratory intensive care | Cell and molecular biology

Tag(s) : COVID

Chairs : Claudia Crimi (Catania (CT), Italy), Sundeep Kaul (London, United Kingdom)

PA3803 **Persisting immune response to SARS-CoV-2 in a local Austrian population**
Dennis Ladage (Mönchengladbach, Germany), Oliver Harzer, Hannes Winkler, Andrea Knies, Miriam Schneider, Robert Wagner, Peter Engel, Wilhelm Frank, Ralf Braun

PA3804 **Bacterial respiratory co-infections of patients hospitalized with COVID-19: a prospective microbiologic study in single tertiary hospital in Kazakhstan**
Nelya Bissenova (Astana, Kazakhstan), Aigerim Yergaliyeva

PA3805 **Clinical and biologic risk factors for mortality in the first 6 months of SARS-Cov2 in a Romanian hospital**
Dragos-Cosmin Zaharia (Bucuresti, Romania), Alexandru Muntean, Alexandra-Maria Cristea, Antonela Dragomir, Elmira Ibraim, Gina-Ana Ciolan, Eddan Visan Athir, Ioana Bulacu, Ramona Nedelcu, Oana Parliteanu, Stefan Leu, Silviu-Mihail Dumitru, Andreea Cristina Andru, Nona-Alexandra Chelaru, Oana Grigore, Beatrice Mahler, Claudia-Lucia Toma, Irina Strambu

PA3806 **Predictors of severe COVID-19 disease in the inpatient cohort, Russian Federation.**
Grigory Kaminskiy (Moscow, Russian Federation), Elena Veselova, Olga Lovacheva, Tatiana Tyulkova, Anastasia Samoilova

PA3807 **Prevalence and impact of comorbidities in Tunisian moderate to severe COVID-19 patients**
Line Kaabi (Tunis, Tunisia), Sabrine Louhaichi, Ikbel Khalfallah, Rihab Jebali, Safa Marzouki, Med Ali Kharrat, Jamel Ammar, Agnes Hamzaoui

PA3808	**COVID-19 pneumonia in Galicia (Spain): impact of prognostic factors and therapies on mortality and need for mechanical ventilation** Indhira Mercedes Guzman Peralta (Lugo, Spain), Luis Perez De Llano, Eva Romay-Lema, Adolfo Baloira Villar, Christian Anchorena Diaz, Maria Torres Durán, Adrian Sousa, Dolores Corbacho-Abelaira, Carmen Diego-Roza, Laura Vilariño-Maneiro, Pedro J Marcos, Carmen Montero Martínez, Fernando De La Iglesia Martínez, Vanessa Riveiro-Blanco, Nuria Rodríguez Nuñez, José Abal-Arca, María Bustillo Casado, Rafael Golpe
PA3809	**Factors predicting the onset of Covid-19 among healthcare workers at Hassan II hospital in Agadir** Abdelkrim Khannous (Agadir, Morocco), Fatiha Bounoua, Lamia Manssouri, Houda Moubachir, Hind Serhane
PA3810	**Severe prognosis factors linked to Covid-19 patients hospitalized at Hassan II hospital in Agadir** Abdelkrim Khannous (Agadir, Morocco), Fatiha Bounoua, Hind Jamil, Ilyass Esserfati, Houda Moubachir, Hind Serhane
PA3811	**Telemedicine solutions for patients in intensive care unit with Covid-19 in Russia** Michael Brovko (Moscow, Russian Federation), Sergey Moiseev, Sergey Avdeev, Nataliya Trushenko, Viktoria Sholomova, Alexey Moiseev, Aram Kitbalyan, Pavel Potapov, Anastasia Schepalina, Larisa Akulkina, Victor Fomin
PA3812	**Thromboembolic events in COVID-19 patients : A Tunisian case series study.** Sabrine Louhaichi (Ariana, Tunisia), Mariem Ferchichi, Ikbelle Khalfallah, Safa Belkhir, Nouha Boubaker, Jamel Ammar, Besma Hamdi, Agnès Hamzaoui
PA3813	**SARS-CoV-2 infection in transplant recipients: experience of a COVID-19 unit in Portugal** Mário Alexandre Oliveira Pinto (Amadora, Portugal), Sara Fernandes, João Rodrigues, Ana Raquel Pinto, Ema Leal, Margarida Torres, Stepanka Betkova, Rita Gonçalves, Ana Sofia Santos, Sara Lino, Luísa Semedo, João Cardoso, Fernando Maltez
PA3814	**Hyperglycemia and diabetes mellitus as mortality risk factors in 600 COVID-19 Romanian patients** Dragos-Cosmin Zaharia (Bucuresti, Romania), Alexandra-Maria Cristea, Antonela Dragomir, Elmira Ibraim, Gina-Ana Ciolan, Eddan Visan Athir, Ioana Bulacu, Ramona Nedelcu, Oana Parliteanu, Stefan Leu, Silviu-Mihail Dumitru, Beatrice Mahler, Claudia Toma, Irina Strambu
PA3815	**Mortality risk in a Romanian cohort of patients hospitalised for COVID-19** Stefan-Marian Frent (Timisoara, Romania), Andras Bikov, Emanuel Bobu, Roxana Pleava, Costela Serban, Iosif Marincu, Monica Marc, Stefan Mihaicuta, Cristian Oancea
PA3816	**First and second wave of COVID-19 in Tunisia:A comparative study among patients hospitalized in a medicine department** rihab Jbeli (Tunis, Tunisia), Sabrine Louhaichi, Ikbel Khlfallah, Safa Marzouki, Line Kaabi, Sabrine Elfidha, Jamel Ammar, Besma Hamdi, Agnès Hamzaoui
PA3817	**The predictors of COVID-19 mortality in a nationwide cohort of Turkish patients** Nurdan Köktürk (Çankaya, Turkey), Cenk Babayiğit, Seval Kul, Pelin Duru Cetinkaya, Sibel Atis Nayci, Serap Argun Baris, Oguz Karcioglu, Pınar Aysert, Ilim Irmak, Aycan Akbas Yuksel, Yonca Sekibag, Oya Baydar Toprak, Emel Azak, Sait Mulamahmutoglu, Caglar Cuhadaroğlu, Aslihan Demirel, Bugra Kerget, Burcu Baran Ketencioglu, Hasan Selcuk Ozger, Gulcihan Ozkan, Zeynep Ture Yüce, Begum Ergan, Vidan Avkan Oguz, Oguz Kilinc, Merve Ercelik, Tansu Ulukavak Ciftci, Ozlem Alici, Esra Nurlu Temel, Ozlem Ataoglu, Asena Aydin, Dilek Cetiner Bahcetepe, Yusuf Taha Gullu, Fusun Fakili, Figen Deveci, Neslihan Kose, Muge Meltem Tor, Gulsah Gunluoglu, Sedat Altin, Teyfik Turgut, Tibel Tuna, Onder Ozturk, Oner Dikensoy, Pinar Yildiz Gulhan, Ilknur Basyigit, Hasim Boyaci, I Kivilcim Oguzulgen, Sermin Borekci, Bilun Gemicioglu, Firat Bayraktar, Osman Elbek, Ismail Hanta, Hacer Kuzu Okur, Gulseren Sagcan, Oguz Uzun, Metin Akgun, Goksel Altinisik, Berna Dursun, Ebru Cakir Edis, Erkmen Gulhan, Fusun Oner Eyuboglu, Okkes Gultekin, Yavuz Havlucu, Metin Ozkan, Aysin Sakar, Abdullah Sayiner, A Fuat Kalyoncu, Oya Itil, Hasan Bayram
PA3818	**Risk Factors for Mortality of COVID-19 Confirmed Cases Admitted at Lung Center of the Philippines** MARK EDISON DE VERA (Taguig, Philippines), Genevie Ombao, Virginia De Los Reyes
PA3819	**Clinical and epidemiological features of SARS-CoV-2 infection among hospitalized children in Ukraine** Tetiana Harashchenko (Kyiv, Ukraine), Yurii Antipkin, Vasyl Podolskiy, Volodymyr Podolskiy, Volodymyr Lapshyn, Tetiana Umanets, Tetiana Kaminska, Ludmila Livshits
PA3820	**SARS-CoV-2 seropositivity in asymptomatic frontline health workers in Ibadan, Nigeria** Olatunde Olayanju (CAPE TOWN, South Africa), Olabisi Bamidele, Fabian Edem, Bola Eseile, Jude Nwaokenye, Chioma Udeh, Gabriel Odok, Nnaemeka Awah
PA3821	**Predictors of COVID-19-related mortality: experience of the isolation unit at the Gabes regional hospital** Wajih Ghribi (Tunis, Tunisia), Sabrine Majdoub Fehri, Dhiaa El Euch, Khouloud Abdelmouleh, Ahmed Gnounou, Houda Ghorbel, Hamida Kwass
PA3822	**Correlates of the SARS-CoV-2 Ag or Total Ig antibody levels with hematological parameters in Greek hospitalized COVID-19 patients.** Erasmia Rouka (Larissa, Greece), Ourania Kotsiou, Garyfallia Perlepe, Athanasios Pagonis, Ioannis Pantazopoulos, Konstantinos Gourgoulianis

Pre-congress content Session 409 13:15 - 14:15

E-poster: Prediction of exacerbations in patients with COPD

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases

Method(s) : General respiratory patient care Pulmonary function testing Physiology Public health Palliative care Respiratory intensive care Imaging Epidemiology

Tag(s) : COVID

Chairs : Christina Bal (Wien, Austria), Therese Lapperre (Antwerp, Belgium)

PA3823	**Implementation of an integrated care model for fragile COPD patients: a controlled prospective study** Hanaa Shafiek (Alexandria, Egypt), Javier Verdú, Federico Fiorentino, Jose Luis Valera, Rocío Martínez, Susana Romero, Lluisa Ramon-Clar, Nuria Toledo-Pons, Ernest Sala, Borja G Cosio
PA3824	**Increased Exacerbations of Chronic Obstructive Pulmonary Disease in Alpha-1 Antitrypsin Carriers** Monica Goldklang (New York, United States of America), Kevin Law, Adam Gerber, Julie Olsen, Claudius Henry, Gebhard Wagener, Jeanine D'Armiento
PA3825	**Neutrophil-to-lymphocyte ratio predicts clinical outcome of severe acute exacerbation of COPD in frequent exacerbators** Fang-Ying Lu (Shanghai, China), Rong Chen, Ning Li, Xian-Wen Sun, Min Zhou, Qing-Yun Li, Yi Guo
PA3826	**Increasing risk of exacerbation and mortality associated with increasing frequency and severity of exacerbations in COPD patients: EXACOS-UK** Hannah Whittaker (London, United Kingdom), Annalisa Rubino, Hana Müllerová, Tamsin Morris, Precil Varghese, Yang Xu, Enrico De Nigris, Jennifer K Quint
PA3827	**Predicting 12-month mortality in a Scottish COPD cohort** Chris Carlin (Glasgow (Glasgow), United Kingdom), Shane Burns, David Lowe, Anna Taylor, Paul Mcginness
PA3828	**Patient characteristics and invasive ventilation decisions in ECOPD** Sarah M. Gillespie (Newcastle Upon Tyne, United Kingdom), Nicholas D Lane, Carlos E Echevarria, Katherine E Frew, Stephen C Bourke
PA3829	**Systemic interleukin-26 relates to the risk of exacerbations in smokers with COPD and chronic bronchitis** Rickard Lundgren (Stockholm, Sweden), Kristina Andelid, Monika Ezerskyte, Nikolaos Pournaras, Bettina Brundin, Karlhans Fru Che, Anders Linden
PA3830	**Parathyroid hormone: a neglected biomarker of exacerbations and hospitalizations in patients with COPD and hypovitaminosis D.** Carlos Antonio Amado Diago (Santander (Cantabria), Spain), Mayte García-Unzueta, Juan Agüero Calvo, Paula Martín Audera, Sandra Tello Mena, Sheila Izquierdo Cuervo, Guido Andretta Juarez, Joy Selene Osorio Chavez, Marta Cristeto Porras, Laura Gonzalez Ramos, Noelia Borja Vargas, Armando Raul Guerra, Milagros Ruiz De Infante Pérez, Ana Berja
PA3831	**Leveraging causal modeling to predict future COPD** Robert Gregg (Pittsburgh, United States of America), Panayiotis Benos
PA3832	**Impact of anemia in patients admitted due to a chronic obstructive pulmonary disease (COPD) exacerbation.** Katiuska Herminia Liendo Martinez (madrid, Spain), Alicia Cerezo Lajas, Sergio Suarez Escudero , Virginia Gallo Gonzalez, Luis Puente Maestu, Javier De Miguel Diez
PA3833	**Predicting an AECOPD from vital signs during daily life: insights from novel technology** Grace France (Leicester, United Kingdom), Matthew Richardson, Neil Greening, Dale Esliger, Samuel Briggs-Price, Emma Chaplin, Lisa Clinch, Michael Steiner, Sally Singh, Mark Orme
PA3834	**Usefullnes of chest computed tomography as a tool to predict COPD exacerbations** João Nunes Caldeira Marinho Matos (Ponta Delgada, Portugal), Sofia Rodrigues Sousa, Lídia Sousa Gomes, Cidália Rodrigues
PA3835	**Physiological impairments and exacerbation risk in COPD patients with less symptom and no frequent exacerbation history.** Yi Zhang (Kyoto, Japan), Naoya Tanabe, Hiroshi Shima, Yusuke Shiraishi, Tsuyoshi Oguma, Atsuyasu Sato, Shigeo Muro, Susumu Sato, Toyohiro Hirai
PA3836	**Reversibility at pulmonary function tests: can it have implications in patients with COPD?** Kostiantyn Dmytriiev (Vinnitsya, Ukraine), Yuriy Mostovoy, Nataliia Slepchenko, Dmytro Dmytriiev

PA3837 **Airway resistance and characterization of airway obstruction**
Raquel Barros (Lisboa, Portugal), Liliana Raposo, Ana Sofia Oliveira, Cristina Bárbara

PA3838 **LSC - 2021 - The relationship between the level of C-reactive protein and the general cardiovascular risk in patient s with COPD and hypertension**
Olha Boiko (Dnipro, Ukraine), Olena Kovalenko (elen.rk@ukr.net / SI DMA,Dnipro), Viktoriia Rodionova (v.rodionova@i.ua / SI DMA,Dnipro)

PA3839 **Oxygen therapy within first 24 hours of admission in patients with COPD and risk of adverse events - an observational study**
Charlotte Sandau Bech (Hvidovre, Denmark), Charlotte Sandau Bech, Jens-Ulrik Stæhr Jensen, Ejvind Frausing-Hansen

PA3840 **Late Breaking Abstract - Analysing the COPD care pathway in Japan, Canada, England and Germany: pilot study results**
Anne Meiwald (London, United Kingdom), Rupert Gara-Adams, Yixuan Ma, Mohit Bhutani, Masakazu Ichinose, Jane Scullion, Henrik Watz, Thomas Wilkinson, Georgie Weston, Elisabeth Adams

PA3841 **Late Breaking Abstract - The effect of comorbidity on the course and outcomes of COPD in observation in the primary health care, including on the background of the COVID-19 pandemic: a comparative analysis.**
Elena Klester (Barnaul (Altai Region), Russian Federation), Karolina Klester, Valeriy Elykomov, Inna Anisimova

PA3842 **Late Breaking Abstract - Relationship between clinical features and mortality in a cohort of COPD patients.**
Paolo Solidoro (Moncalieri (TO), Italy), Fulvio Braido, Marco Contoli, Angelo Corsico, Fabiano Di Marco, Claudio Micheletto, Girolamo Pelaia, Paola Rogliani, Laura Saderi, Nicola Scichilone, Giovanni Sotgiu, Giandomenico Manna, Silvia Boarino, Pierachille Santus

Pre-congress content Session 410 13:15 - 14:15

E-poster: COVID-19 and management of lung cancer

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Thoracic oncology Respiratory critical care

Method(s) : General respiratory patient care Public health Palliative care Surgery Endoscopy and interventional pulmonology Epidemiology Respiratory intensive care

Tag(s) : COVID

Chairs : Amanda Tufman (München, Germany), Rudolf M. Huber (Munich, Germany)

PA3843 **Impact of the COVID19 pandemic on patterns of respiratory, thoracic oncology and thoracic surgery outpatient care**
Georgia Hardavella (Athens, Greece), Georgia Hardavella, Ioannis Karampinis, Irma Bracka, Spyridon Mazarakis, Christina Gkriniouk, Elli Keramida, Andreas Paraskevas, Elena Bellou, Theodoros Daskalos, Panagiotis Demertzis

PA3844 **Delayed interval scanning is not associated with stage-shift at diagnosis: Preliminary results to support guidelines for lung cancer screening during the COVID-19 pandemic**
Andrew Creamer (Bristol (Avon), United Kingdom), Jennifer Dickson, Carolyn Horst, Sophie Tisi, Helen Hall, Priyam Verghese, John Mccabe, Kylie Gyertson, Anne-Marie Mullin, Laura Farrelly, Christina Clark, Stephanie Hamilton, Brian Allen, Allan Hackshaw, Anand Devaraj, Arjun Nair, Sam Janes

PA3845 **Collateral impact of COVID19 pandemic on lung cancer services in a tertiary referral centre**
Georgia Hardavella (Athens, Greece), Elissavet Babaliari, Ioannis Karampinis, Elli Keramida, Elena Bellou, Irma Bracka, Christina Gkriniouk, Andreas Paraskevas, Spyridon Mazarakis, Panagiotis Demertzis

PA3846 **Lung nodule management in Covid-19;does postponed surveillance matter?**
Ratnaprashanthika Ratnakumar (Ilford (Essex), United Kingdom), Jocelyn Fraser, Rebecca Nicholls, Jennifer Quint, Susannah Bloch

PA3847 **The Covid-19 pandemic and lung cancer: psychological and diagnosis impacts**
Walid Feki (Sfax, Tunisia), Mouhamed Moustapha Hamoudi, Rim Khemakhem, Med Lemine Sidi Oumare, Nesrin Kallel, Rahma Gargouri, Ilhem Yangui, Hajer Ayadi, Samy Kammoun

PA3848 **Increase in lung cancer emergency presentations during the COVID-19 pandemic**
Claire Vella (Naxxar, Malta), Asif Ashraf, Rajini Sudhir, Prajakta Pinglay, Indrajeet Das, Mohammed Fiyaz Chowdhry, Apostolos Nakas, Cathy Richards, Sridhar Thiagarajan, Rakesh Panchal, Samreen Ahmed, Sanjay Agrawal, Muhammad Tufail, Jonathan Bennett

PA3849	**Effect of quarantine ?n hospital admissions for lung cancer** Ioanna Sigala (Athens, Greece), Vasileios Giannakoulis, Timos Giannakas, Efthimios Zervas, Aikaterini Brinia, Niki Gianniou, Efrosyni Dima, Andreas Asimakos, Paraskevi Katsaounou
PA3850	**Thoracic cancer patients and Covid-19: experience from a portuguese tertiary care unit** Raquel Viana (Leiria, Portugal), Daniel Coutinho, Eloísa Silva, Sérgio Campainha, Margarida Dias, Telma Costa, Ana Barroso
PA3851	**Lung Cancer vs. „Young Cancer“ – Is There a Difference?** Monika Bratová (Brno 35, Czech Republic), Karolina Hurdalkova, Marie Drosslerova, Juraj Kultan, Matyas Wanke, Martin Svaton, Kristian Brat
PA3852	**Non-small cell lung cancer: how do experts want to be treated?** Nimet Aksel (Izmir, Turkey), Banu Aktin Yoldaş, Esra Kirakli, Ibrahim Petekkaya
PA3853	**Evolution in the diagnostic approach to lung cancer** Joana Da Silva Arana Fonseca Ribeiro (Almada, Portugal), Gonçalo Samouco, Rebeca Martins Natal, Sara Braga, Filomena Luís, Luís Ferreira, Rita Matos Gomes, Luís Vaz Rodrigues
PA3854	**Evaluation of cancer-associated thrombosis risk in patients with lung adenocarcinoma using the COMPASS-CAT risk assessment model** Andriani Charpidou (Athens, Greece), Miltiadis Chrysanthidis, Evangelos Dimakakos, Dimitra Grapsa, Petros Bakakos, Grigorios Stratakos, Konstantinos Syrigos
PA3855	**Efficacy of local therapy for oligoprogressive disease after PD-1 blockade in advanced non-small cell lung cancer** Yusuke Kagawa (Aichi, Japan), Takehiro Uemura, Minoru Horiuchi, Satoshi Fukuda, Ken Maeno, Tetsuya Oguri, Norihisa Takeda, Kensuke Fukumitsu, Tomoko Tajiri, Hirotsugu Ohkubo, Yutaka Ito, Akio Niimi
PA3856	**End-of-life antimicrobial usage in lung cancer: current perpectives and clinical practice** Ana Cláudia Santos Camelo Pimenta (Vilarinho STS, Portugal), Inês Rodrigues, Luísa Nascimento, Sara Raimundo, Teresa Gomes, Ana Fernandes
PA3857	**The causes and consequences for dose reduction in NSCLC IIIB patients, a retrospective single center clinical trial.** Wolfgang Parsch (Nuremberg, Germany), Lisa Thiesing, Dieter Würflein, Joachim Ficker, Wolfgang Brückl
PA3858	**Absolute neutrophil count in peripheral blood predict prognosis in lung cancer patients treated with anlotinib** Rong Chen (Shanghai, China), Rong Chen, Fang Ying Lu, Min Zhou , Yi Guo
PA3859	**Osimertinib rechallenge under steroid protection following osimertinib-induced pneumonitis: Three case studies.** Christiane Bickert (München, Germany), Kathrin Kahnert, Diego Kauffmann-Guerrero, Jeremias Götschke, Zulfiya Syunyaeva, Jürgen Behr, Amanda Tufman
PA3860	**Surgery for Lung cancer in patients under 45 years old: what are particularities?** mahdi Abdennadher (Ariana, Tunisia), Mariem Hadj Dahmane, Hazem Zribi, Sarra Zairi, Imen Bouacida, Henda Neji, Sonia Ouerghi, Mouna Mlika, Adel Marghli
PA3861	**Surgical and survival outcomes of sleeve lobectomy after neoadjuvant theraphy in lung cancer: With group of 265 patients** Bengisu Arabacı (İZMİR, Turkey), Kenan Can Ceylan, Ahmet Ucvet, Serkan Yazgan, Soner Gursoy

Pre-congress content Session 411 13:15 - 14:15

E-poster: E-health for COVID-19

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

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

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

Tag(s) : COVID, Digital health

Chairs : Vitaly Mishlanov (Perm, Russian Federation), Io Hui (Edinburgh (Edinburgh), United Kingdom)

PA3862	**Feasibility of COVID-19 telerehabilitation program from hospital to home using smartphone application: Prospective pilot program.** Jaume Bordas-Martínez (barcelona, Spain), Lluis Matéu Gómez, David Cámara Menoyo, Ana Luzardo-González, Salud Santos, Rosa Planas, Maria Molina-Molina

PA3863	**From face-to-face to telerehabilitation: patients prefer a mixed model on a pandemic-free future.** Catarina Duarte Santos (Almada, Portugal), Fátima Rodrigues, Cátia Caneiras, Cristina Bárbara
PA3864	**Inter-rater reliability of a remote exercise capacity assessment of COVID-19 survivors** Laura Lopez Lopez (Granada, Spain), Andrés Calvache-Mateo, María Granados-Santiago, Irene Cabrera-Martos, Irene Torres-Sánchez, Marie Carmen Valenza
PA3865	**Smartphone-enabled detection of COugh in COvid-19 (COCO) – preliminary analysis of an exploratory, observational cohort study** Frank Rassouli (Speicher, Switzerland), Maximilian Boesch, Florent Baty, Peter Tinschert, Filipe Barata, Iris Shih, David Cleres, Elgar Fleisch, Martin H. Brutsche
PA3866	**The impact of COVID-19 and virtual clinics on physician behaviour in respiratory ambulatory care.** Eamon Sweeney (Letterkenny, Ireland), Marcus Butler, Eleanor Dunican, Emmet Mcgrath, Michael Keane, Cormac Mccarthy
PA3867	**COVID-19 advanced respiratory physiology (CARP) wearable respiratory monitoring: early insights** Chris Carlin (Glasgow (Glasgow), United Kingdom), Stephanie Lua, Anna Taylor, Malcolm Sim, Bruce Henderson, Chris Trueman, Osian Meredith, Shane Burns, Paul Mcginness
PA3868	**Self reported impacts of remote monitoring in England during COVID-19** Helen Parrott (Stockholm, Sweden), Laura O'Connor, Scott Hawkes
PA3869	**Identifying COVID-19-infected healthcare workers using an electronic 'nose'** Steef Kurstjens ('s Hertogenbosch, Netherlands), Noemí García-Tardón, Marion Fokkert, Wouter H. van Geffen, Robbert Slingerland, Job Van Der Palen, Ron Kusters
PA3870	**Self-reported usability and acceptability of using virtual consultations (VCs) during and after COVID-19 pandemic in the UK** Nasir Majeed (Salford, United Kingdom), Nasir Majeed, Sean Knight, Nawar Diar Bakerly
PA3871	**The COVID-19 risk perception and concern: a survey of patients on long term oxygen therapy or domiciliary noninvasive ventilation** Pietro Impellizzeri (Catania, Italy), Claudia Crimi, Marialuisa Giuffrida, Santi Nolasco, Raffaele Campisi, Nunzio Crimi
PA3872	**Diagnostic role of the cough profile in COVID-19 patients** Clare Davidson (Barcelona, Spain), Antonio Caguana, Manuel Lozano-García, M Arita, Luis Estrada-Petrocelli, Ignasi Ferrer-Lluis, Yolanda Castillo-Escario, P Ausín, J Gea, Raimon Jané
PA3873	**Late Breaking Abstract - Dynamic Early Warning Score versus National Early Warning Score-2 for predicting death or intensive care unit admission in respiratory patients** Sherif Gonem (Ratby, United Kingdom), Adam Taylor, Grazziela Figueredo, Sarah Forster, Tricia Mckeever, Jonathan Garibaldi, Dominick Shaw
PA3874	**Late Breaking Abstract - RECEIVER trial: sustained use and improved outcomes with digitally supported COPD co-management** Chris Carlin (Glasgow (Glasgow), United Kingdom), Anna Taylor, Jacqueline Anderson, Shane Burns, Paul Mcginness, David Lowe
PA3875	**Late Breaking Abstract - Novel low-cost remote respiratory auscultation device vs. traditional stethoscope** Ines Alejandra Betancourt Torres (Barcelona, Spain), Patricia Alejandra Peña Torres, Jacqueline Torres Castillo, Javier Sobrino Martinez
PA3876	**Late Breaking Abstract - Impact of increasing notification thresholds for remote respiratory monitoring in patients with chronic lung disease** Neema Moraveji (San Francisco, United States of America), Michael Polsky, Mark Holt

Pre-congress content Session 412 13:15 - 14:15

E-poster: Biological and functional markers of COVID-19

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Pulmonary vascular diseases | Respiratory critical care | Interstitial lung diseases

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

Tag(s) : COVID

Chairs : Isis Enlil Fernandez (München, Germany), Laura Fregonese (London, United Kingdom)

PA3877	**Association of laboratory markers with oxygen saturation and radiological findings in hospitalized COVID-19 patients** Dragan Mijakoski (Skopje, North Macedonia), Zorica Markovska, Iskra Meshkova, Sasho Stoleski, Jordan Minov, Jovanka Karadzinska-Bislimovska
PA3878	**?hemiluminescent activity of blood phagocytes in patients with covid-19.** Sergey Tereshchenko (Krashoyarsk, Russian Federation), Anna Lazareva, Oksana Kolenchukova, Svetlana Smirnova, Victorya Melder
PA3879	**Prospective biochemical and hematological markers to differentiation severe from non-severe COVID-19 disease** MONA-ELISABETA DOBRIN (IASI, Romania), Oana-Elena Rohozeanu, Radu Crisan-Dabija, Radu-Ionel Cernat, Ioana Buculei, Roberta-Ionela Cernat, Elena Popa, Antigona Trofor
PA3880	**Dynamics of the intensity of the immune response in COVID-19** Ekaterina Makarova (Nizny Novgorod, Russian Federation), Natalya Lyubavina , Marina Milyutina , Irina Polyakova , Ekaterina Nekaeva , Elena Galova , Gennady Odintsov, Nikolay Menkov
PA3881	**Hematological changes in COVID-19 and their association with the severity of the disease** Asma Allouche (bizerta , Tunisia), Jihen Ben Amar, Khadija Echi, Khaoula Hemissi, Haifa Zaibi, Emna Ben Jemia, Hichem Aouina
PA3882	**Laboratory, functional and imaging changes in the follow-up of hospitalized patients with COVID 19** Plamen Titorenkov (Sofia, Bulgaria), Milena Encheva, Sofia Zabadanova, Emilia Naseva
PA3883	**Neutrophil-to-lymphocyte, platlet-to-lymphocyte ratio and adiposityin early COVID -19** Radostina Cherneva (Sofia, Bulgaria), Zheyna Cherneva
PA3884	**Can Exhaled Nitric Oxide Be a Biomarker for Hospitalized and Post-COVID-19 Patients?** Sergio Ferreira (São José dos Campos - SP, Brazil), Sergio Ferreira, Wendel S Fernandes, Ricardo C A Ferreira, Patricia B Fialho, Carlos E R Santos, Lucas M Araujo , Leonardo M B R Santos, Maysa A R Brandao-Rangel, Claudio R Frison, Rodolfo P Vieira
PA3885	**CT patterns of lung damage and prognosis markers for the course of a new coronavirus infection COVID-19 in persons with comorbidity** Vera Nevzorova (Vladivostok (Primorsky Krai), Russian Federation), Anastasiia Sakovskaia, Marina Ermolitskaya, Anna Simakova, Elena Novitskaya
PA3886	**Impact of Covid-19 Pneumonia on Pulmonary Function, Functional Exercise Capacity and Quality of Life** Aslı Görek Dilektaşlı (Bursa, Turkey), Nilufer Ozturk, Ayten Odabas, Ezgi Demirdogen, Ahmet Ursavas, Funda Coskun, Ozge Aydın Guclu, Dane Ediger, Esra Uzaslan
PA3887	**COVID-19 and obesity: specific clinical and laboratory features** Anna Buchneva (Moscow, Russian Federation), Nathalia Chichkova
PA3888	**Neutrophil-Lymphocyte and Neutrophil-Platelet Ratio during covid-19 infection: association with the occurrence of thromboembolic events** marzouki safa (tunis, Tunisia), Maazaoui Sarra, Nouira Imen, Hbibech Sonia, Racil Hajer, Chaouch Nawel
PA3889	**Cerebral venous thrombosis in Covid-19** Walid Feki (Sfax, Tunisia), Amal Saidani, Nesrine Kallel, Rym Khemekhem, Nadia Moussa, Rahma Gargouri, Samy Kammoun
PA3890	**Late Breaking Abstract - Breathlessness post COVID-19 despite improvement in cardiopulmonary health** Mark Philip Cassar (Oxford, United Kingdom), Nayia Petousi, Ling-Pei Ho, Nick P Talbot, Adam J Lewandowski, Masliza Mahmod, Elizabeth M Tunnicliffe, Cheng Xie, Stefan Piechnik, Vanessa Ferreira, David Holdsworth, Stefan Neubauer, Betty Raman
PA3891	**Late Breaking Abstract - COVID-19 risk perception and vaccine willingness among healthcare workers in specialized respiratory clinics in Germany** Maria Ada Presotto (Heidelberg, Germany), Rudolf A. Jörres, Wolfgang Gesierich , Jörn Bullwinkel , Klaus Rabe , Konrad Schultz , Franziska Kaestner, Dominik Harzheim, Michael Kreuter , Felix.J.F. Herth, Franziska Trudzinski
PA3892	**Late Breaking Abstract - Long COVID-19 symptoms including fatigue are more frequent in females independently of COVID-19 treatment** Sebastian Sohrab (Duisburg, Germany), Dirk Westhölter, Christian Taube, Norbert Mülleneisen, Marcus Joest, Wilfried Roemer, Susanna Joerger-Tuti, Wolfgang Wende
PA3893	**Late Breaking Abstract - 12-month lung clinical and functional consequences in patients with severe COVID-19** Gulnora Abdullaeva (Moscow, Russian Federation), Malika Mustafina, Segey Avdeev, Galina Gordina

PA3894 **Late Breaking Abstract - Development of a multivariate model for clinical prediction in COVID 19 infected patients .**
Aquiles Assuncao Camelier (Salvador (BA), Brazil), André Costa Meireles, André Luiz Freitas De Oliveira, Victor Costa Araujo, Marcos Filipe Lima Santos, Luis Claudio Lemos Correia

PA3895 **Late Breaking Abstract - Retrospective observational analysis of platypnea- orthodeoxia syndrome (POS) in lon g COVID over 5 months at a pulmonary medicine unit**
Tanya Athavale (Mumbai, India), Amita Athavale, Kartik Joshi, Sushmitha Ravindran, Ayushi Trehan, Pooja Khupse, Mahesh Jansari, Sonal Karpe

Pre-congress content Session 413 13:15 - 14:15

E-poster: A multidisciplinary approach to pulmonary rehabilitation and management of chronic respiratory diseases

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

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

Tag(s) : COVID

Chairs : Rainer Gloeckl (Schoenau am Koenigssee, Germany), Zuleyha Bingol (Istanbul, Turkey)

PA3896 **Late Breaking Abstract - Effects of pulmonary rehabilitation on major symptoms of long COVID (post-COVID-19 syndrome): preliminary results**
Virginie Molinier (Lodève, France), Francois Alexandre, Adriana Castanyer, Antonin Vernet, Joan Lluis Aliaga-Parera, Nicolas Oliver, Nelly Héraud, Francois Alexandre

PA3897 **Levels of functioning in asthma patients using the WHODAS II**
Nataliia Sanina (Dnipro, Ukraine), Anatoliy Ipatov, Nataliia Hondulenko, Svitlana Panina

PA3898 **Early Supported Discharge with Home Oxygen in COVID-19 Patients**
Marcus Anthony Pittman (Basildon (Essex), United Kingdom), Matilda Boa, Jessica Feaver, Katy Young, Alice Ncube, Ousman Jallow, Janet Kohn, Joanne Peacock

PA3899 **Pulmonary rehabilitation and changes in respiratory muscles, aerobic capacity and quality of life in Colombian patients with Interstitial Lung Disease**
Lina Marcela Orozco Mejia (Cali, Colombia), Alexandra López López, Ricardo Mosquera, Julián Andrés Rivera Motta

PA3900 **Carbon monoxide diffusing capacity (DLCO) in COVID-19 survivors versus idiopathic pulmonary fibrosis (IPF): the pathogenetic features**
Lyudmyla Konopkina (Dniepropetrovsk, Ukraine), Olha Shchudro, Ksenia Bielosludtseva, Tetyana Pertseva, Lyudmila Konopkina, Mariia Krykhtina

PA3901 **Patients' and caregivers' perceptions toward nebulization therapy for COPD: The first quantitative survey done in India**
Harjitsingh Dumra (Ahmedabad (Gujarat), India), Arjun Khanna, Sujeet Madhukar, Meena Lopez, Rashmi Hegde, Jaideep Gogtay, Dr. Sandeep More

PA3902 **Desaturation-distance ratio during field exercise test in lymphangioleiomyomatosis: a cross-sectional study**
Douglas Silva Queiroz (São Paulo , Brazil), Cibele Cristine Berto Marques Da Silva, Alexandre Franco Amaral, Martina Rodrigues Oliveira, Henrique Takachi Moriya, Carlos R R Carvalho, Bruno Guedes Baldi, Celso R F Carvalho1

PA3903 **Covid-19 related concerns and outcomes from shielding in clinically extremely vulnerable adults and children with neuromuscular disease**
Lydia Spurr (London, United Kingdom), Ruth Wakeman, Hui-Leng Tan, Michelle Chatwin, Anita Simonds

PA3904 **Development of Culturally Appropriate Pulmonary Rehabilitation (PR) for Sri Lanka: A qualitative study**
Chamilya Perera (Kelaniya, Sri Lanka), Zainab Yusuf, Akila Jayamaha, Mark Orme, Upendra Wijayasiri, Thamara Amarasekara, Amy Jones, Rhume Miah, Rupert Jones, Andy Barton, Michael Stainer, Savithri Wimalasekara, Sally Singh

PA3905 **Factors affecting caregiver burden in pulmonary patients**
Bilge Yılmaz Kara (Rize, Turkey)

PA3906 **The role of personality traits in the pulmonary rehabilitation response in COPD patients**
Pauline Caille (LODEVE, France), François Alexandre, Virginie Molinier, Nelly Héraud

PA3907 **Validity and reliability evidence of the general self-efficacy scale in Greek patients with COPD.**
Andreas Daskalakis (N. Smyrni - Athens, Greece), Vasilis Brisimis, Eirini Grammatopoulou, Eleni Smyrli, Aikaterini Chaniotou

PA3908 **Effectiveness of triage pathways for prioritising patient care by a multi-disciplinary community respiratory team during the COVID-19 pandemic**
Emily Turner (Glasgow, United Kingdom), Emma Johnson, Stewart Gingles, Katie Levin, Elaine Mackay, Claire Roux, Kirsten Farrell, Marianne Milligan, Kirsty Murray, Suzanne Adams, Marion Mackie, Joan Brand, Hannah Bayes, David Anderson

PA3909 **Frequency of dyspnea in patients with post-COVID syndrome**
Fabrizio Diaferia (bari, Italy), Andrea Portacci, Ernesto Lulaj, Martina Fucci, Emanuele Spalluto, Silvano Dragonieri, Giovanna Elisiana Carpagnano

PA3910 **Frailty: An indicator for poor outcomes among in-hospital pulmonology patients**
Nilüfer Aylin Acet Öztürk (Bursa, Turkey), Nilüfer Aylin Acet Öztürk, Aslı Görek Dilektaşlı, Özge Aydın Güçlü, Ahmet Ursavaş, Ezgi Demirdöğen, Funda Coşkun, Esra Uzaslan, Mehmet Karadağ

PA3911 **Comparison of two physiotherapy treatments in patients with acute exacerbation of chronic obstructive pulmonary disease: a pilot study**
Andrés Calvache Mateo (Granada, Spain), Laura López López, Janet Remedios Rodríguez Torres, Irene Torres Sáncehz, María Granados Santiago, Javier Martín Núñez, Marie Carmen Valenza

PA3912 **Does a supplementation in branch amino acid improve pulmonary rehabilitation effect in COPD?**
Jean-Claude Meurice (Poitiers, France), Fabrice Caron, Pierre Ingrand, Quentin Bretonneau, Olvier Dupuy, Claire De Bisschop

PA3913 **Effects of Combined Physical Training on Lung Function and Mechanics and on Pulmonary Immune Response in Overweight and Obese Women**
Anamei Silva-Reis (São José dos Campos, Brazil), Anamei Silva-Reis, Maysa A Rodrigues Brandao-Rangel, Renilson Moraes-Ferreira, Thiago G Gonçalves-Alves, Victor H Souza-Palmeira, Helida C Aquino-Santos, Claudio R Frison, Rodolfo P Vieira

PA3914 **Late Breaking Abstract - Functional benefits of post COVID-19 multidisciplinary pulmonary rehabilitation program**
Richard Haouchan (Beirut, Lebanon), Richard Haouchan, Moussa Riachy, Carine Harmouche, Zakhia Naoum, Myriam Salameh, Pierre Merheb, Toni Matta, Serge Aoun, Antoine Kik, Marc Raad, Hind Eid, Bassem Habr

PA3915 **Process evaluation of the British Lung Foundation Active Steps service**
Arwel Jones (Melbourne, Australia), Hayley Robinson, Mark Saunders, Amanda Brewster, Colin Ridyard, Murray Smith, Jenna Peel, Joel Shopland, Claire Wilson, Jan Swan, Susan Frizzell, Abi Dean, Mark Hinchliffe, Graham Law, Niroshan Siriwardena

Pre-congress content Session 414 13:15 - 14:15

E-poster: Paediatric allergic asthma: novel therapeutics and monitoring approaches

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in an e-poster pdf format with a 3-minute audio narration. Participants and chairs of the session are invited to access all e-posters from 23 August to 4 September prior to the 1-hour live, online discussion scheduled from September 5-7. Please note that during live discussion there will be NO e-poster/abstract presentations, only discussion.

Disease(s) : Airway diseases Respiratory critical care

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

Chairs : Erol Gaillard (Leicester (Leicestershire), United Kingdom), Katharina Kainz (Wien, Austria)

PA3916 **Stop omalizumab: a multicenter follow up study after discontinuation in pediatric patients with severe asthma**
Valentina Agnese Ferraro (Rosa' (VI), Italy), Amelia Licari, Alessandro Volpini , Grazia Fenu, Manuela Seminara, Franca Rusconi

PA3917 **Characterisation of a paediatric population referred for a dysfunctional breathing assessment**
Kirstin Unger (Edinburgh, United Kingdom), Laura Blazey, Pooja Seta, Kenneth Macleod

PA3918 **Use of Omalizumab in children in real clinical practice.**
Evelina Lokshina (Moscow, Russian Federation), Svetlana Zaytseva, Olga Zaytseva, Anna Tomilova , Olga Voronina, Olga Murtazaeva, Valery Mukhortykh, Irina Tsymbal

PA3919 **Adverse drug reactions of leukotriene receptor antagonists in children with asthma: a systematic review**
Eleanor Dixon (Swindon, United Kingdom), Charlotte Rugg-Gunn, Ian Sinha, Daniel Hawcutt

PA3920	**Dupilumab improves asthma control and quality of life in children with uncontrolled persistent asthma** Alessandro G. Fiocchi (Rome, Italy), Alessandro Fiocchi, Wanda Phipatanakul, Sandy R. Durrani, Jeremy Cole, Xuezhou Mao, Jérôme Msihid, David J. Lederer, Megan Hardin, Yi Zhang, Asif H. Khan
PA3921	**A systematic review of the proportion of adolescents recruited to RCTs of asthma treatments for adults and adolescents.** Amy Nuttall (Liverpool, United Kingdom), Amy Nuttall, Emma Wilkinson, William Bedson, Ian Sinha, Paul Mcnamara
PA3922	**Clinical utility of impulse oscillometry (IOS) versus multiple breath washout (MBW) in school-age asthma** Sanna Kjellberg (Trollhättan, Sweden), Anna-Carin Olin, Paul Robinson
PA3923	**Mould in the homes of asthmatic children is associated with socioeconomic deprivation, reduced lung function and unscheduled healthcare visits** Karl Holden (Leicester (Leicestershire), United Kingdom), Kathryn Welsh, Andrew Wardlaw, Jack Satchwell, William Monteiro, Catherine Pashley, Erol Gaillard
PA3924	**Asthma control, exacerbations, airway obstruction and reversibility in children before and after SARS-CoV-2 pandemic onset** Nicole Beydon (Paris, France), Florence Coquelin
PA3925	**The various questions asked by parents about their children's asthma** Zaidane israa (rabat, Morocco), Zaidane israa, Jaabouti Ghizlane, Batali Soukaina, Benbrahim Fadwa, El Hafidi Naïma , Benchekroun Soumia , Mahraoui Chafiq
PA3926	**The value of magnesium sulfate nebulization in moderate to severe asthma exacerbations in childrenDepartment of pneumo-allergology and pediatric infectious disease Children's hospital CHU Ibn Sina Rabat morocco** fatima azzahraa yatribi (RABAT, Morocco), Soukaina Batali, Soumia Benchekroun , Naima Hafidi , Chafiq Mahraoui
PA3927	**Long-term effects of multidisciplinary inpatient asthma treatment** Yoni Van Dijk (Badhoevedorp, Netherlands), Monique Trijbels, Bart Van Ewijk
PA3928	**Deprescribing montelukast in children with asthma: a systematic review** Eleanor Dixon (Swindon, United Kingdom), Charlotte King, Daniel Hawcutt, Ian Sinha
PA3929	**Evaluation of the teach-to-goal method in improving inhaler technique in paediatric asthma patients** Orla Mallon (Moneymore, United Kingdom), Michael Shields, Dara O'Donoghue, Patrick Mc Crossan
PA3930	**Assessment of current practice of paediatric respiratory and allergy teams in Cambridge University Hospital during the COVID-19 pandemic era and optimisation of the service** Doxa Kotzia (London, United Kingdom), Elizabeth Powell, Sarah Nethercott, Alaa Ali, Gemma Wilson, Zaraquiza Zolkipli, Donna Mcshane
PA3931	**Monoclonal antibody treatments for paediatric severe asthma–outcomes, attitudes and adherence** Megan Sheppard (Sydney (NSW), Australia), Ajay Kevat , Louisa Owens, Melinda Gray
PA3932	**Impact of COVID-19 side-effects on pediatric and adult patients with recurrent wheeze and asthma** Nicole Maison (München, Germany), Heidrun Herbrüggen, Bianca Schaub, Christina Schauberger, Svenja Foth, Ruth Grychtol, Mustafa Abdo, Henrik Watz, Wilfried Nikolaizik, Klaus F. Rabe, Matthias Kopp, Gesine Hansen, Erika Von Mutius, Thomas Bahmer, Jimmy Omony
PA3933	**Evidence of early abnormal airways' inflammation in children with type 1 diabetes** Dejan Radovanovic (Milano (MI), Italy), Marina Saad, Elisa Franceschi, Stefano Pini, Giuseppe Croce, Luca Perotto, Maurizio Rizzi, Pierachille Santus

Channel 1 Session 415 14:45 - 16:00

Challenging clinical cases: CCC Thoracic oncology

Aims : To describe the history, pathology, analysis and treatment of complex clinical cases in thoracic oncology area. The session leaders will facilitate discussion among the case presenters and the audience in order to examine and discuss each case.

Disease(s) : Thoracic oncology

Tag(s) : Clinical

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

Chairs : Andriani Charpidou (Athens, Greece), Sam Janes (London, United Kingdom)

14:45	**Introduction**	**3934**

14:50	**An unusual cause of breathlessness** Stephanie K. Mansell (Guildford (Surrey), United Kingdom)	**3935**
15:00	**Chylo-pneumothorax complicated with re-expansion pulmonary edema and chyluria due to para-spinal neurilemmoma** Sugeesha Wickramasinghe (Kadawath, Sri Lanka)	**3936**
15:10	**Needle based confocal laser endomicroscopy: a novel real-time diagnostic approach for suspected peripheral lung lesions.** Tess Kramer (Amsterdam, Netherlands)	**3937**
15:20	**Is cystic fibrosis the hemi-neglected part of respiratory medicine?** Mohd Adil Khan (Nottingham, United Kingdom)	**3938**
15:30	**Mesothelioma in situ with regressive malignant pleural effusion. A year latter** Gustavo Corrêa De Almeida (São Paulo (SP), Brazil)	**3939**
15:40	**Discussion and Q&A**	**3940**

Channel 2 Session 416 14:45 - 16:15

Oral presentation: Remote monitoring of respiratory patients

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

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

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

Tag(s) : COVID, Digital health

Chairs : Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Andrea Aliverti (Milan, Italy)

OA3941	**Introduction**
OA3942	**Initial observed improvement in medication adherence maintained during the COVID-19 pandemic in asthma and COPD** Meredith Barrett (San Francisco, United States of America), Leanne Kaye, Jared Nagano, Vy Vuong, Meredith Barrett, Meredith Barrett
OA3943	**Early supported discharge of COVID-19 patients with home oxygen therapy** Rosie Harkness (Manchester, United Kingdom), Abdel Hakim Rezgui, Rebecca Towns, Rebecca Lessons, Aimee Lindley, Hou Law, David Thomson
OA3944	**Effects of an eHealth intervention promoting correct use of medication in patients with asthma and chronic obstructive pulmonary disease** Kyma Schnoor (Leiden, Netherlands), Anke Versluis, Robbert Bakema, Sanne Van Luenen, Marcel Kooij, Maurik Van Den Heuvel, Petra Hoogland, Martina Teichert, Job Van Boven, Niels Chavannes, Jiska Aardoom
OA3945	**Physiological measurements with wearables during urban walks for telemonitoring of patients with COPD** Joren Buekers (Barcelona, Spain), Ane Arbillaga-Etxarri, Elena Gimeno-Santos, Guillaume Chevance, Jean-Marie Aerts, Judith Garcia-Aymerich
OA3946	**Vironix: remote screening, detection, and triage of viral respiratory illness via cloud-enabled, machine-learned APIs.** Sumanth Swaminathan (New York, United States of America), Botros Toro, Nicholas Wysham, Nicholas Mark, Sriram Ramanathan, James Morrill, Vinay Konda, Shreyas Iyer, Christopher Landon
OA3947	**Engagement with an asthma app to monitor medication adherence and its association with patients' characteristics** Rita Amaral (Porto, Portugal), Cristina Isabel Oliveira Jácome, Rute Almeida, Ana Margarida Pereira, Sandra Mendes, Magna Alves-Correia, Carmen Vidal, Sara López Freire, Paula Méndez Brea, Luis Araujo, Mariana Couto, Darío Antolín-Amérigo, Belén De La Hoz Caballer, Alicia Barra Castro, David Gonzalez-De-Olano, Ana Todo Bom, João Azevedo, Paula Leiria Pinto, Nicole Pinto, Ana Castro Neves, Ana Palhinha, Filipa Todo Bom, Alberto Costa, Cláudia Chaves Loureiro, Lilia Maia Santos, Ana Arrobas, Margarida Valério, João Cardoso, Madalena Emiliano, Rita Gerardo, José Carlos Cidrais Rodrigues, Georgeta Oliveira, Joana Carvalho, Ana Mendes, Carlos Lozoya, Natacha Santos, Fernando Menezes, Ricardo Gomes, Rita Câmara, Rodrigo Rodrigues Alves, Ana Sofia Moreira, Diana Bordalo, Carlos Alves, Didina Coelho-Barreiro, José Alberto Ferreira, Cristina Lopes, Diana Silva , Maria João Vasconcelos, Maria Fernanda Teixeira, Manuel Ferreira-Magalhães, Luís Taborda-Barata, Maria José Cálix, Adelaide Alves , João Almeida Fonseca

OA3948	**Assessment of patient engagement and adherence with once-daily indacaterol/glycopyrronium/mometasone (IND/GLY/MF) Breezhaler digital companion in asthma: interim analysis from Germany** Holger Woehrle (Ulm, Germany), Paul Mastoridis, David A Stempel, Leanne Kaye, Connelly Doan, Karen Mezzi
OA3949	**Remote monitoring of patients with COPD using a tablet system: proof of concept.** Malte Frerichs (Göteborg, Sweden), Kristina Andelid, Anita Nordenson, Anders Andersson, Monika Crona, Daan Dohmen, Anders Ullman, Lowie G.W. Vanfleteren
OA3950	**Roll-out of video-supported treatment in Moldova to promote people-centered model of care** Cristina Celan (Chisinau, Republic of Moldova), Stela Bivol, Valentina Vilc, Sofia Alexandru, Lilian Severin
OA3951	**Late Breaking Abstract - Fully automated airway measurement correlates with radiological disease progression in Idiopathic Pulmonary Fibrosis** Muhunthan Thillai (Cambridge (Cambridgeshire), United Kingdom), Michael Roberts, Kirl Kirov, Tom Mclellan, Evan Morgan, Fahdi Kanavati, Darren Gallagher, Philip Molyneaux, Carola-Bibane Schönlieb , Alessandro Ruggiero
OA3952	**Discussion**

Channel 3 Session 417 14:45 - 16:15

Oral presentation: Respiratory disorders in neonatal and paediatric intensive care

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Respiratory critical care Airway diseases

Method(s) : Respiratory intensive care Physiology Epidemiology Endoscopy and interventional pulmonology General respiratory patient care Pulmonary function testing

Chairs : Theodore Dassios (London, United Kingdom), Anna Lavizzari (Milano (MI), Italy)

OA3953	**Introduction**
OA3954	**Feasibility of assessing ventilation inhomogeneity by volumetric capnography during resuscitation of preterm infants** Emma Williams (London, United Kingdom), Emma Williams, Theodore Dassios, Anne Greenough
OA3955	**Prediction of infant extubation success using the diaphragmatic electromyography (EMG) signal during a spontaneous breathing test (SBT)** Fahad Muhamed Shareef Arattu Thodika (London, United Kingdom), Emma Williams, Imogen Chappelow, Theodore Dassios, Anne Greenough
OA3956	**Long term lung function in those born of multiple versus singleton pregnancies** Christopher Harris (London, United Kingdom), Alan Lunt, Janet Peacock, Anne Greenough
OA3957	**Influence of breathing dynamics on the effective concentration of oxygen delivered to infants via high-flow nasal cannula** Aris Bertzouanis (Patras, Greece), Sotirios Fouzas, Gabriel Dimitriou
OA3958	**Effect of upper airways during non-invasive high frequency oscillatory ventilation (nHFOV)** Davide Bizzotto (Milano (MI), Italy), Chiara Veneroni, Daniele Bani, Raffaele L. Dellacà
OA3959	**Influence of antenatal corticosteroids and sex on the mortality and morbidity of extremelyprematurely born infants.** Rebecca Lee (London, United Kingdom), Emma Williams, Theodore Dassios, Anne Greenough
OA3960	**Neurally adjusted ventilatory assist (NAVA) in very preterm infants: A single tertiary neonatal unit's experience.** Sandeep Shetty (London, United Kingdom), Sandeep Shetty, Katie Evans, Anay Kulkani, Peter Cornuaud, Donovan Duffy, Anne Greenough
OA3961	**Health status of newborns from mothers with severe uncontrolled bronchial asthma** Tatiana Luchnikova (Blagoveshchensk (Amur Oblast), Russian Federation), Olga Prikhodko, Valerii Voitsekhovsky, Elena Romantsova, Valentina Pavlenko
OA3962	**Late Breaking Abstract - Lung function trajectories in very preterm infant** Emanuela Zannin (Milano (MI), Italy), Camilla Rigotti, Abedulrhman Abdelfattah, Raffaele Dellacà, Maria Luisa Ventura
OA3963	**Late Breaking Abstract - Less invasive surfactant administration (LISA) to preterm infants on high flow nasal cannula (nHFT).** Asad Nasim (Maidenhead, United Kingdom), Sanja Zivanovic, Muhammad Abubakar, Alexandra Scrivens, Charles Roehr
OA3964	**Discussion**

Channel 4 Session 418 14:45 - 16:15

Oral presentation: Acute COVID - 19

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Method(s) : Public health General respiratory patient care Respiratory intensive care Epidemiology Cell and molecular biology

Tag(s) : COVID

Chairs : Adrian Ceccato (barcelona, Spain), Chair to be confirmed

OA3965	**Introduction**
OA3966	**Acute and sustained endothelial damage in COVID-19** Raúl Méndez (Valencia, Spain), Paula González-Jiménez, Ana Latorre, Mónica Piqueras, Leyre Bouzas, Katheryn Yépez, Ana Ferrando, Enrique Zaldívar-Olmeda, Antonio Moscardó, Ricardo Alonso, Soledad Reyes, Rosario Menéndez
OA3967	**Rapid diagnosis of bacterial co-infection and antimicrobial resistance in patients with SARS-Cov-2 infection** Hollian Richardson (Dundee, United Kingdom), Jane Maccallum, Kerry Falconer, Diane Cassidy, Merete Long, Holly R Keir, Yan Hui Giam, Lilia Delgado, Thomas Pembridge, Benjamin Parcell, Steven Haynes, Hani Abo-Leyah, David Connell, James D Chalmers
OA3968	**Post-mortem minimally invasive tissue sampling and clinico-pathological correlation in fatal COVID-19 infection** Animesh Ray (Kolkata (West Bengal), India), Naveet Wig, Deepali Jain, Prasenjit Das, Sudheer Arava, Geetika Singh, Shubham Agarwal, Ayush Goel, Shekhar Swaroop
OA3969	**NK1 receptor antagonist Tradipitant decreases time to recovery in patients with severe COVID-19, early analysis of Odyssey study data** Sandra Smieszek (Washington, United States of America)
OA3970	**Tofacitinib versus standard of care treatment in patients with COVID-19 pneumonia and respiratory failure: a multicenter cohort study** Michael Brovko (Moscow, Russian Federation), Larisa Akulkina, Nikolay Bulanov, Pavel Novikov, Anastasia Zykova, Viktoria Sholomova, Alexey Moiseev, Anastasia Schepalina, Aram Kitbalian, Natalia Chichkova, Victor Fomin, Sergey Avdeev, Natalia Trushenko, Sergey Moiseev
OA3971	**Symptom Prediction and Mortality Risk Calculation for COVID-19 Using Machine Learning** Nahal Mansouri (Lausanne, Switzerland), Elham Jamshidi, Sahand` Rahi
OA3972	**Type 1 inflammatory endotype relates to low compliance, lung fibrosis, and severe complications in COVID-19** Takehiro Hasegawa (Hamburg, Germany), Atsushi Nakagawa, Kohjin Suzuki, Kazuto Yamashita, Saya Yamashita, Niina Iwanaga, Eiya Tamada, Kenta Noda, Keisuke Tomii
OA3973	**Comparison of COVID-19 mortality at the first and second wave adjusted for the 4C mortality score** Pierre-Olivier Bridevaux (Sion, Switzerland), Gregoire Gex, Isabelle Frésard, Petrut Vremaroiu, Niels Gobin, David Lawi, Redouane Bouali
OA3974	**Late Breaking Abstract - Elevated NETosis and migration but impaired anti-microbial responses by COVID-19 neutrophils** Kylie Belchamber (Birmingham, United Kingdom), Shaun Thein, Jon Hazeldine, Frances Grudzinska, Michael Hughes, Alice Jasper, Kay Por Yip, Dhruv Parekh, Elizabeth Sapey, David Thickett, Aaron Scott
OA3975	**Discussion**

Channel 5 Session 419 14:45 - 16:15

Oral presentation: Better understanding of sarcoidosis: new keys

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Interstitial lung diseases

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

Chairs : Paolo Spagnolo (Padova (PD), Italy), Catharina Moor (Rotterdam, Netherlands)

OA3976	**Introduction**

OA3977	**Mineral exposures in pediatric sarcoidosis** Nadia Nathan (Paris, France), Marie-Emeline Montagne, Odile Macchi, Paul-André Rosental, Simon Chauveau, Florence Jeny, Lucile Sesé, Rola Abou Taam, Jacques Brouard, Mickaël Catinon, Catherine Chapelon-Abric, Fleur Cohen Aubart, Christophe Delacourt, Céline Delestrain, Antoine Deschildre, Antoine Dossier, Ralph Epaud, Julien Haroche, Véronique Houdouin, Dominique Israel-Biet, Karine Juvin, Sylvain Le Jeune, François Lionnet, Ulrich Meinzer, Marie Mittaine, Hilario Nunes, Sarah Mattioni, Jean-Marc Naccache, Marie-Hélène Odièvre, Michel Vincent, Annick Clement, Dominique Valeyre, Catherine Cavalin
OA3978	**Associations between occupational and environmental exposures and organ involvement in sarcoidosis: a retrospective case-case analysis** Steven Ronsmans (Leuven, Belgium), Eline Vandebroek, Stephan Keirsbilck, Benoit Nemery, Peter H.M. Hoet, Steven Vanderschueren, Wim A. Wuyts, Jonas Yserbyt
OA3979	**mTORC1 signaling in granulomatous lesions is not specific for sarcoidosis** Raisa Kraaijvanger (Nieuwegein, Netherlands), Els Beijer, Cees A. Seldenrijk, Jan Damen, Marcel Veltkamp
OA3980	**Polymorphism in C-C Chemokine Receptor 5 (CCR5) increases susceptibility to Löfgren's syndrome and alters receptor expression as well as functional response.** Bekir Karakaya (Nieuwegein, Netherlands), C.H.M. Van Moorsel, M. Veltkamp, C. Benschop, K.M. Kazemier, A.H.M. Van Der Helm-Van Mil, T.W.J. Huizinga, J.C. Grutters, G.T. Rijkers
OA3981	**Bioinformatic identification of orthologous granuloma formation genes in Cutibacterium acnes associated with sarcoidosis** Yordan Hodzhev (Sofia, Bulgaria), Borislava Tsafarova, Vladimir Tolchkov, Stefan Panaiotov
OA3982	**The pulmonary bacterial and fungal microbiota in sarcoidosis patients.** Kristel Svalland Knudsen (Bergen, Norway), Sverre Lehmann, Rune Nielsen, Solveig Tangedal, Einar Marius Hjellestad Martinsen, Tomas Eagan
OA3983	**FeV1 and body weight weight on LCQ in sarcoidosis patients** Bjoern Frye (Freiburg, Germany), Daniel Soriano, Erik Farin, Joachim Müller-Quernheim, Jonas Schupp
OA3984	**Effects of Infliximab on FDG Uptake and Small Fiber Neuropathy Symptoms in Sarcoidosis Patients** Lisette Raasing (Nieuwegein, Netherlands), Oscar Vogels, Marcel Veltkamp, Jan Grutters
OA3985	**Long-term response to prednisone in newly treated patients with pulmonary sarcoidosis** Vivienne Kahlmann (Rotterdam, Netherlands), Catharina C. Moor, Caroline E. Broos, Johannes C. C. M. In 'T Veen, Maria J. Overbeek, Marco J. J. H. Grootenboers, Roxane Heller, Rémy L. Mostard, Marlies S. Wijsenbeek
OA3986	**Late Breaking Abstract - Immunomodulatory protein ATYR1923 disrupts an in vitro model of sarcoid granuloma formation** Suzanne Paz (San Diego, United States of America), Mark W. Julian, David Siefker, Erik Escobedo, Clara Polizzi, Michaela Ferrer, Lauren Guy, Christoph Burkart, Ryan Adams, Leslie Nangle, Elliott D. Crouser
OA3987	**Discussion**

Studio Amsterdam Session 420 14:45 - 16:15

Symposium: Emerging imaging biomarkers in lung disease

Aims : To present information on imaging methods including positron emission tomography (PET), computed tomography (CT), magnetic resonance imaging (MRI) and micro-CT; to present translational human and animal studies that have identified novel imaging biomarkers for assessment of fibrosis and inflammation.

Disease(s) : Airway diseases Interstitial lung diseases

Method(s) : Cell and molecular biology Imaging Physiology

Tag(s) : Translational , Clinical

Target audience : Clinical researcher, Medical Student, Pathologist, Patient, Radiologist, Scientist (basic, translational)

Chairs : Silke Meiners (München, Germany), Katerina Antoniou (Heraklion, Greece)

14:45	**Introduction**	**3988**
14:50	**Emerging diagnostics from MRI, PET and CT studies of lung disease** James Eaden (Sheffield (South Yorkshire), United Kingdom)	**3989**
15:05	**Preclinical models and imaging biomarkers of lung injury and disease** Irma Mahmutovic Persson (Lund, Sweden)	**3990**
15:20	**Micro-computed tomography to quantify lung fibrosis in vivo** Greetje Vande Velde (Leuven, Belgium)	**3991**

15:35	**Novel imaging biomarkers for assessment of lung fibrosis and inflammation** Tim Rosenow (Perth (WA), Australia)	**3992**
15:50	**Discussion and Q&A**	**3993**

Studio Barcelona Session 421 14:45 - 16:15

Lungs on fire: LoF Airway diseases?

Aims : To describe real-life clinical cases during the innovative interactive session, including the presentation of cases that have various levels of difficulty and often necessitate a differential diagnosis. This session will be led by a discussant, who will present the cases to a panel of experts and the audience. The discussant will encourage discussion among the panel of experts, who are encountering these cases for the first time. To further determine diagnostic and therapeutic options for these patients, the discussant will also invite audience participation in the reflexion and discussion of these cases.

Disease(s) : Airway diseases

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Paediatrician, Physician in Pulmonary Training, Respiratory critical care physician, Nurse, Radiologist, Respiratory physiotherapist, Respiratory therapist, Medical Student

Chairs : Christopher E. Brightling (Leicester (Leicestershire), United Kingdom), Nicolas Roche (Paris, France), Carolina Maria Gotera Rivera (Madrid, Spain)

Discussants : Dave Singh (Manchester, United Kingdom)

14:45	**Introduction**	**3998**
14:50	**Presentation of cases by the session facilitator** Dave Singh (Manchester, United Kingdom)	**3999**
	Case 1 - Author: Anna Boehm, Austria	**3994**
	Case 2 - Author: Michael Joachim Fröhlich, Germany	**3995**
	Case 3 - Author: Elisa Riccardi, Italy	**3996**
	Case 4 - Author: Khaing Thu Thu, United Kingdom	**3997**
16:10	**Session wrap-up**	**4000**

Studio London Session 422 14:45 - 16:15

Symposium: Orphan childhood disease: nicotine and cannabis addiction

Aims : To review the epidemiology and trends of tobacco, e-cigarette and cannabis use worldwide, highlighting the combinatorial use of these products and multiple delivery devices; to discuss the context of and motivation for cannabis use among young people; to explain the definition of problematic cannabis use and current evidence about cannabis psychoactivity and the impact of early cannabis use in the immature brains of children and teenagers; to review the types and effectiveness of preventative measures and treatments for nicotine and cannabis use among young people; to present evidence about the health effects of cannabis and e-cigarettes in young people and the implications for lung development and function; to stress the need for effective regulation to prevent young people accessing these products and being exposed to related marketing.

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, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Paediatrician, Patient, Physician in Pulmonary Training, Respiratory physiotherapist, Thoracic oncologist, Thoracic surgeon, Respiratory therapist, Journalist

Chairs : Jonathan Grigg (London, United Kingdom), Alexander Möller (Zürich, Switzerland)

14:45	**Introduction**	**4001**
14:50	**What are kids experimenting with? Epidemiology and trends of tobacco use and mental effects of nicotine and cannabis use** Charlotta Pisinger (Frederiksberg, Denmark)	**4002**
15:05	**The effect of e-cigarette vapour on the lungs of adolescents and young people** Ilona Jaspers (Chapel Hill, United States of America)	**4003**
15:20	**Effects of nicotine and cannabis on chronic respiratory diseases of children** Elif Dagli (Istanbul, Turkey)	**4004**

15:35	**Nicotine and cannabis use among teenagers: from prevention to treatment. What works?** Aslı Görek Dilektaşlı (Bursa, Turkey)	**4005**
15:50	**Discussion and Q&A**	**4006**

Studio Munich Session 423 14:45 - 16:15

State of the art session: Sleep and breathing disorders

Sleep revolution meets obstructive sleep apnoea: classification, grading, outcome indicators and use of new technologies

Aims : To describe current knowledge of obstructive sleep apnoea (OSA) from epidemiology to new classifications, treatment and prevention; to explain how clinicians could face the future of sleep breathing disorders (SBDs) in light of new technologies; to identify strategies for a homogenous European approach to the identification, diagnosis and management of sleep breathing disorders, presenting the Sleep Revolution project of the European Union.

Disease(s) : Paediatric respiratory diseases | Respiratory critical care | Sleep and breathing disorders

Method(s) : Epidemiology | General respiratory patient care | Physiology

Tag(s) : Clinical, Digital health

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 : Sophia E. Schiza (Heraklion, Greece), Matteo Bradicich (Basel, Switzerland)

14:45	**Introduction**	**4007**
14:50	**Is the apnoea-hypopnea index more than a historical parameter?** Dirk A.A. Pevernagie (Gent, Belgium)	**4008**
15:05	**The hypoxic burden during sleep: which parameter counts?** Silke Ryan (Dublin, Ireland)	**4009**
15:20	**An integrative approach to OSA classification** Winfried J. Randerath (Solingen, Germany)	**4010**
15:35	**An homogenous European approach for SBD management, incorporating new technologies and the Sleep Revolution project** Erna Sif Arnardóttir (Reykjavik, Iceland)	**4011**
15:50	**Discussion and Q&A**	**4012**

Studio Paris Session 424 14:45 - 16:15

Respiratory medicine meets other disciplines: Emerging data for the management of respiratory tract infections

A joint ERS/ESCMID session. Results from the current European Clinical Research Initiative on Antimicrobial resistance and emerging Infectious Diseases (ECRAID) - Value-Dx project

Aims : To present the first data emerging from the European project of Value Dx aimed at investigating the use of old and new diagnostic tests to optimise the use of antimicrobials and the management of respiratory infections across different settings (from primary care to intensive care units); to provide an overview and update of the role of diagnostics in the management of respiratory infections by reducing the overuse of antimicrobials and optimising clinical outcomes, utilisation of healthcare resources and economics. The Value Dx project is part of the European clinical research initiative on antimicrobial resistance and emerging infectious diseases.

Disease(s) : Respiratory infections

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

Tag(s) : Clinical, COVID

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Paediatrician, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Journalist

Chairs : Giovanni Sotgiu (Porto Torres (SS), Italy), Miriam Barrecheguren Fernandez (Barcelona, Spain)

14:45	**Introduction**	**4013**
14:50	**Potential impact and relevance of diagnostics in the management of respiratory tract infections: from COVID to hospital-acquired pneumonia** Maurizio Sanguinetti (Rome, Italy)	**4014**

15:05	**Use of diagnostic tests in respiratory tract infections: an economic analysis.** Maarten Postma (Groningen, Netherlands)	**4015**
15:20	**Management of community-acquired pneumonia: new evidence-based algorithms.** Evelina Tacconelli (, Italy)	**4016**
15:35	**Are antimicrobials still the future of respiratory infection therapy?** Stefano Aliberti (Milano (MI), Italy)	**4017**
15:50	**Discussion and Q&A**	**4018**

Channel 6 Session 425 14:45 - 16:15

Oral presentation: Severe acute respiratory failure

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Respiratory critical care

Method(s) : Respiratory intensive care Physiology Epidemiology General respiratory patient care

Tag(s) : COVID

Chairs : Leo Heunks (Amsterdam, Netherlands), Antonio Artigas (Sabadell (Barcelona), Spain)

OA4019	**Introduction**
OA4020	**Comparison of extubation outcome after spontaneous breathing trials with T-piece and pressure support ventilation in patients with expiratory flow limitation** Yanisa Kluanwan (Bangkok, Thailand), Napplika Kongpolprom
OA4021	**Validation of Prognostic Scores in Extracorporeal Life Support: A Multi-Centric Retrospective Study** Christoph Fisser (Regensburg, Germany), Luis Alberto Rincon-Gutierrez , Tone Bull Enger, Fabio Silvio Taccone, Lars Mikael Broman, Mirko Belliato, Leda Nobile, Federico Pappalardo, Maximilian V. Malfertheiner
OA4022	**Tracheostomy Practice and Outcomes in Patients with COVID–19 ARDS – insights from PRoVENT–COVID** Anissa Tsonas (Amsterdam, Netherlands), Michela Botta, Janneke Horn, Michael Brenner, Marita Teng, Brendan Mcgrath, Marcus Schultz, Frederique Paulus, Ary Serpa Neto
OA4023	**Electrical impedance tomography monitoring for predicting lung collapse after positive end expiratory pressure decrement in recovering acute respiratory distress syndrome** Thunyawee Sermkaew (bangkok, Thailand), Napplika Kongpolprom
OA4024	**Development and validation of a point of care breath test for octane detection** Laura A. Hagens (Leusden (UT), Netherlands), Alwin R.M. Verschueren, Ariana Lammers, Nanon F.L. Heijnen, Marry R. Smit, Tamara M.E. Nijsen, Inge Geven, Marcus J. Schultz, Dennis C.J.J. Bergmans, Ronny M. Schnabel, Lieuwe D.J. Bos
OA4025	**ROX index validity for predicting mechanical ventilation requirement in pneumonia** Manuela Herrera Tamayo (Bogotá, Colombia), Alirio R Bastidas, Karen D. Pedreros, Manuela Herrera, German A Carmona, Laura D Saza, Laura E Bello, Carlos A Muñoz, Juan C Chavez, Jennifer C. Arias, Paula Alcaraz, Maria D. Hernandez, Alejandro Nonzoque, Natalia Trujillo, Andres F Pineda, Gina S. Montaño, Luis F Reyes
OA4026	**Galectin-3 as predictor of mortality and ICU admission in patients with COVID 19 Acute Respiratory Failure** Andrea Portacci (Taranto, Italy), Fabrizio Diaferia, Carla Santomasi, Federica Barratta, Esterina Boniello, Vincenzo Nicola Valerio, Silvano Dragonieri, Giovanna Elisiana Carpagnano
OA4027	**Coinfection in patients with severe COVID-19 requiring ECMO support. A subanalysis of the ECMOVIBER study.** Maria Martinez Martinez (Barcelona, Spain), Pablo Blanco-Schweizer, Pablo Ruiz De Gopegui, Roberto Roncon-Albuquerque Jr., María Paz Fuset, Maria Victoria Boado, Elena Sandoval, Ricardo Gimeno, Philip Fortuna, Alfredo González, Joaquín Colomina, Marc Andreu Pedrosa, María Sol Siliato Robles, Francesc Xavier Nuvials Casals, Ricard Ferrer, Jordi Riera
OA4028	**Late Breaking Abstract - Cytomegalovirus reactivation in COVID-19 patients with Acute Respiratory Distress Syndrome.** Anupam Agrawal (Lucknow, India), ANUPAM AGRAWAL, Atul Garg, Mohan Gurjar, Ujjala Ghoshal, Prabhakar Mishra, Akshay Arya, Shreyas Gutte, Gaurav Pandey
OA4029	**Discussion**

15:30-16:15
INDUSTRY SKILLS LAB WORKSHOP SEE PAGE 1

Studio Amsterdam Session 427 16:15 - 16:30

Breakout room: Breakout room: Symposium, Emerging imaging biomarkers in lung disease

Chairs : James Eaden (Sheffield (South Yorkshire), United Kingdom), Irma Mahmutovic Persson (Lund, Sweden), Greetje Vande Velde (Leuven, Belgium), Tim Rosenow (Perth (WA), Australia), Merian Kuipers (Den Haag, Netherlands)

Studio Barcelona Session 428 16:15 - 16:30

Breakout room: Breakout room: Lungs on fire, LoF Airway diseases?

Chairs : Dave Singh (Manchester, United Kingdom), Lydia Finney (London, United Kingdom)

Studio London Session 429 16:15 - 16:30

Breakout room: Breakout room: Symposium, Orphan childhood disease: nicotine and cannabis addiction

Chairs : Charlotta Pisinger (Frederiksberg, Denmark), Ilona Jaspers (Chapel Hill, United States of America), Elif Dagli (Istanbul, Turkey), Lynne Schofield (Leeds, United Kingdom), Asl Görek Dilekta l (Bursa, Turkey)

Studio Munich Session 430 16:15 - 16:30

Breakout room: Breakout room: State of the art session, Sleep and breathing disorders

Chairs : Dirk A.A. Pevernagie (Gent, Belgium), Silke Ryan (Dublin, Ireland), Winfried J. Randerath (Solingen, Germany), Erna Sif Arnardóttir (Reykjavik, Iceland), Sébastien Baillieul (Grenoble CEDEX 9, France)

Studio Paris Session 431 16:15 - 16:30

Breakout room: Breakout room: Respiratory medicine meets other disciplines, Emerging data for the management of respiratory tract infections

Chairs : Maurizio Sanguinetti (Rome, Italy), Evelina Tacconelli (, Italy), Stefano Aliberti (Milano (MI), Italy), Aurélie Crabbé (Ghent, Belgium), Maarten Postma (Groningen, Netherlands)

Channel 1 Session 432 16:30 - 18:00

Joint session: Hot topics in thoracic oncology

ERS/Industry joint session

Chairs : Torsten Gerriet Blum (Berlin, Germany)

16:30	**Introduction** Torsten Gerriet Blum (Berlin, Germany)	**4032**
16:35	**Checkpoint inhibition (neo-)adjuvant therapy in early stage lung cancer: the oncological evidence** Karim Vermaelen (Ghent, Belgium)	**4033**
16:55	**Checkpoint inhibition (neo-)adjuvant therapy in early stage lung cancer: the surgical evidence** Isabelle Opitz (Zurich, Switzerland)	**4034**
17:15	**Is pathological response a valid surrogate for outcome?** Aurelie Fabre (Dublin 4, Ireland)	**4035**
17:35	**Discussion and Q&A** Torsten Gerriet Blum (Berlin, Germany), Karim Vermaelen (Ghent, Belgium), Isabelle Opitz (Zurich, Switzerland), Aurelie Fabre (Dublin 4, Ireland)	**4036**

Channel 2 Session 433 16:30 - 18:00

Symposium: Keys to success in science

Early career member session 2021

Aims : To describe how young researchers can get involved in European Research Society (ERS) activities; to present critical steps for a successful career in respiratory research and medicine; to discuss challenges and opportunities for women in science.

Target audience : Clinical researcher, Medical Student, Scientist (basic, translational)

Chairs : Daniela Gompelmann (Vienna, Austria), Maxime Patout (Mont-Saint Aignan, France)

16:30	**Introduction**	**4037**
16:35	**ERS activities: how to get involved** Niki Ubags (Epalinges, Switzerland)	**4038**
16:50	**Keys for successful science** Lies Lahousse (Ghent, Belgium)	**4039**
17:05	**Mina Gaga lecture** Alberto Garcia-Basteiro (Maputo, Mozambique)	**4040**
17:20	**Women in science** Sheila Ramjug (Altrincham, United Kingdom)	**4041**
17:35	**Discussion and Q&A**	**4042**

Channel 3 Session 434 16:30 - 18:00

Oral presentation: Respiratory function after COVID-19 and mechanical ventilation

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Respiratory critical care | Interstitial lung diseases | Pulmonary vascular diseases

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

Tag(s) : COVID

Chairs : Sam Bayat (Grenobe, France), William Stringer (Long Beach, United States of America)

OA4043	**Introduction**
OA4044	**Pulmonary function after COVID-19 infection and the impact of disease severity.** Max Thomas (Birmingham, United Kingdom), Ha-Kyeong Won, Oliver Price, Woo-Jung Song, James Hull
OA4045	**Neural respiratory drive in survivors of severe COVID-19 pneumonitis** Caroline Jolley (London, United Kingdom), Rebecca F D'Cruz, Sheron Mathew, Alice Byrne, Mutahhara Choudhury, Tracey Fleming, Gerrard F Rafferty, John Moxham, Patrick Murphy, Nicholas Hart, Surinder S Birring, Jimstan Periselneris, Felicity Perrin, Amit Patel, Irem Patel, Michael Waller
OA4046	**The role of 6MWT in Covid-19 follow up** Martina Ferioli (Sermide (MN), Italy), Irene Prediletto, Serena Bensai, Sara Betti, Federico Daniele, Valerio Di Scioscio, Cecilia Modolon, Maria Rita Rimondi, Stefano Nava, Luca Fasano
OA4047	**Half of COVID-19 ICU-treated patients have impaired lung function four months after discharge** Emil Ekbom (Uppsala, Sweden), Robert Frithiof, Össur Emilsson, Ing-Marie Larsson, Miklos Lipscey, Sten Rubertsson, Ewa Wallin, Christer Janson, Michael Hultström, Andrei Malinovschi
OA4048	**The impact of COVID-19 on children with chronic suppurative lung disease** Tolulope Tolufase (London, United Kingdom), Mira Osinibi, Ema Kavaliunaite, Mohammed Thorogood, Atul Gupta, Sarah Pierce, Cara J. Bossley
OA4049	**Pulmonary function 45 and 180 days after COVID-19 hospitalization: does time, in fact, heal all wounds?** Eliane Viana Mancuzo (Belo Horizonte (MG), Brazil), Carolina Marinho, Jacqueline Das Graças Ferreira Oliveira, Aline Priscila Batista, Luiz Gustavo Guimaraes Sacramento, Alvaro Lucca Torres Brandão, Savio Carlos Rodrigues Da Silva, Pedro Chaves Ferreira, Ana Sophia Mitre Leite, José Reinaldo Correia Roveda, Bruno Horta Andrade, Tarciane Aline Prata, Daniel Cruz Bretas, Ana Luísa Ribeiro Reis, Ana Maria De Carvalho Oliveira, Gabriel Vinícius Do Carmo Eugênio, Hemilly Romão Moreira, Julia Elias Morato, Pedro Ntônio Oliveira Aquino Gusmão, George Luiz Lins Machado Coelho, Arnaldo Santos Leite, Valeria Maria Augusto
OA4050	**Which severe COVID-19 patients may benefit the most from pulmonary rehabilitation?** Mathieu Marillier (Echirolles, France), Yara Al Chikhanie, Daniel Veale, Frédéric Hérengt, Samuel Vergès
OA4051	**Association between symptoms and objective physiological outcomes in severe COVID-19 pneumonia survivors** Caroline Jolley (London, United Kingdom), Parisa Zamani, Sneha Mehrotra, Rebecca F D'Cruz, Sheron Mathew, Alice Byrne, Mutahhara Choudhury, Tracey Fleming, Sam Norton, Surinder S Birring, Amit Patel, Irem Patel, Felicity Perrin, Michael Waller
OA4052	**Diaphragm neurostimulation on every breath preserves alveolar homogeneity.** Elizabeth Rohrs (Surrey, Canada), Thiago Bassi, Karl Fernandez, Marlena Ornowska, Michelle Nicholas, Jessica Wittmann, Steven Reynolds

OA4053	**Late Breaking Abstract - Lung function before and after COVID-19 infection in young adults** Ida Mogensen (Skarpnäck, Sweden), Jenny Hallberg, Sofia Björkander, Qiang Pan-Hammarström, Lena Palmberg, Christer Janson, Anna Bergström, Erik Melén, Inger Kull
OA4054	**Discussion**

Channel 4 Session 435 16:30 - 18:00

Oral presentation: Exacerbations of chronic respiratory diseases, including SARS-CoV-2

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Airway diseases Interstitial lung diseases

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

Tag(s) : COVID

Chairs : Imran Satia (Hamilton, Canada), Florence Schleich (Liège, Belgium)

OA4055	**Introduction**
OA4056	**Asthma hospitalisation and mortality during the first wave of COVID-19** Steven Smith (Glasgow, United Kingdom), Steven Smith, Alexander Royle, David Jackson, Mark Levy, Nicola Lee, Malcolm Shepherd, Freda Yang, Matthew Armstrong, Liam Heaney, Rekha Chaudhuri
OA4057	**SARS-Cov-2 infection in asthma patients treated with biologics** Andriana Papaioannou (Vrilissia (Athens), Greece), Evangelia Fouka , Nikolaos Tzanakis , Katerina Antoniou , Konstantinos Samitas , Eleftherios Zervas , Konstantinos Kostikas , Konstantinos Bartziokas , Konstantinos Porpodis , Despoina Papakosta , Argyris Tzouvelekis , Irini Gerogianni , Ourania Kotsiou, Michael Makris , Nikoletta Povina , Garyfallia Vlachou , Miltiadis Markatos , Stelios Vittorakis, Konstantinos Katsoulis, Ilias Papanikolaou, Paraskevi Katsaounou , Paschalis Steiropoulos, Dimitrios Latsios , Katerina Dimakou , Georgios Hillas , Stavros Tryfon, Athina Georgopoulou , Pantelis Avarlis , Petros Bakakos , Katerina Markopooulou , Eleni Gaki, Asimina Paspala , Zacharoula Kyriakaki
OA4058	**A data management and analysis platform for RASP-UK multiomics clinical datasets** nazanin Zounemat Kermani (hanworth, United Kingdom), John Busby, Kai Sun, Ioannis Pandis, Gabrielle Gainsborough, Yike Guo, Ian Adcock, Tim Hardman, Liam Heaney
OA4059	**Association between subcutaneous fat area and risk of asthma exacerbation in obese patients** Armine Gasparyan (Moscow, Russian Federation), Nathalia Chichkova, Natalia Serova
OA4060	**The Cough Severity Diary in a pooled analysis of two, phase 3 trials of gefapixant in chronic cough** Surinder S. Birring (London, United Kingdom), Jaclyn A. Smith, Alyn Morice, Ian Pavord, Peter V. Dicpinigaitis, Lorcan Mcgarvey, Anjela Tzontcheva, Qing Li, Allison Martin Nguyen, Jonathan Schelfhout, David Muccino, Carmen La Rosa
OA4061	**How do cough patterns correlate with novel capsaicin cough challenge parameters?** Jaclyn Smith (Manchester (Greater Manchester), United Kingdom), Kimberley Holt, Kevin Mcguinness, Kitty Sheppard
OA4062	**Chronic cough associated with COPD exacerbation, pneumonia and death: A prospective study of the general population** Eskild Morten Landt (Koege, Denmark), Yunus Çolak, Børge G Nordestgaard, Peter Lange, Morten Dahl
OA4063	**Exacerbations in chronic obstructive pulmonary disease (COPD) in Ontario, Canada** Erika Penz (Saskatoon, Canada), Stephen Noorduyn, Mena Soliman, Christina Qian, Karissa Johnston, Erika Penz
OA4064	**Pulmonary vascular pruning is associated with radiographic bronchiectasis progression** Wojciech Dolliver (BROOKLINE, United States of America), Wojciech Dolliver, Wei Wang, Pietro Nardelli, Farbod N. Rahaghi, Diego J. Maselli, Andrew Yen, Kendra Young, Gregory Kinney, Raul San José Estépar, Alejandro A. Diaz
OA4065	**Late Breaking Abstract - Lung function tests in patients with previous SARS-COV2 pneumonia: a useful follow-up tool** Manuela Ciarfaglia (Brescia, Italy), Laura Pini, Rossano Montori, Jordan Giordani, Alessandro Pini, Michele Guerini, Nicla Orzes, Claudio Tantucci
OA4066	**Discussion**

Channel 5 Session 436 16:30 - 18:00

Oral presentation: Paediatric bronchology

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Airway diseases

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

Chairs : Dirk Schramm (Düsseldorf, Germany), Raffaella Nenna (Rome, Italy)

OA4067	**Introduction**
OA4068	**Is there an association between tracheomalacia and bronchiectasis in children?** Rahul Thomas (Brisbane (QLD), Australia), Anne Chang, Ian Masters, Keith Grimwood, Julie Marchant, Stephanie Yerkovich, Mark Chatfield, Chris O'Brien, Vikas Goyal
OA4069	**Diffuse alveolar haemorrhage in children: an international multicentre study** Astrid Ring (Gentofte, Denmark), Nicolaus Schwerk, Nural Kiper, Ayse Tana Aslan, Paul Aurora, Roser Ayats, Inês Azevedo, Teresa Bandeira, Julia Carlens, Silvia Castillo-Corullon, Nazan Cobanoglu, Basil Elnazir, Nagehan Emiralioğlu, Tugba Sismanlar Eyuboglu, Tugba Ramasli Gursoy, Claire Hogg, Bülent Karadag, Vendula Látalová , Katarzyna Krenke, Joanna Lange, Borja Osona, Marijke Proesmann, Philippe Reix, Marie-Catherine Renoux, Léa Roditis, Sune Rubak, Nisreen Rumman, Caroline Thumerelle, Laurence Weiss, Ebru Yalcın , Fazilcan Zirek, Andy Bush, Annick Clement, Frederik Fouirnaies Buchvald, Matthias Griese, Nadia Nathan, Kim Gjerum Nielsen
OA4070	**Prevalence and characteristics of cystic lung lesions in children with interstitial lung diseases – a register-based study** Stanislaw Boguslawski (Warszawa, Poland), Katarzyna Krenke , Emilia Urbankowska, Joanna Lange, Honorata Marczak, Matthias Griese
OA4071	**Pulmonary involvement in rheumatological diseases in children** Pelin Asfuroglu (Ankara, Turkey), Tugba Sismanlar Eyuboglu, Ayse Tana Aslan, Sevcan Bakkaloğlu Ezgu, Oguz Soylemezoglu
OA4072	**Respiratory function testing in infants with laryngeal stridor:diagnosis at a glance and follow up.** Silvia Bloise (Roma (RM), Italy), Raffaella Nenna, Laura Petrarca, Antonella Frassanito, Enrica Mancino, Luigi Matera, Greta Di Mattia, Domenico Paolo La Regina, Flaminia Bonci, Alessandra Febbro, Fabio Midulla
OA4073	**Incidence and prevalence of children's diffuse lung disease in Spain.** Alba Torrent Vernetta (Castelldefels (Barcelona), Spain), Sandra Rovira-Amigo, Ignacio Iglesias Serrano, Ana Díez Isquierdo, Matthias Griese, Christina Rapp, Mirella Gaboli, Silvia Castillo-Corullon, Pedro Mondejar-Lopez, Verónica Sanz Santiago, Jordi Costa-Colomer, Borja Osona, Javier Torres-Borrego, Olga De La Serna Blázquez, Sara Bellon Alonso, Pilar Caro Aguilera, Álvaro Gimeno-Diaz De Atauri, Alfredo Valenzuela Soria, Roser Ayats, Carlos Martin De Vicente, Valle Velasco Gonzalez, Jose Domingo Moure Gonzalez, Antonio Moreno-Galdo
OA4074	**Evaluation of paediatric airway with flexible bronchoscopy in intensive care units** Merve nur Tekin (Ankara, Turkey), Gizem Özcan, Fazılcan Zirek, Özlem Selvi Can, Nazan Çobanoğlu
OA4075	**Discussion**

16:30-17:15
INDUSTRY SKILLS LAB WORKSHOP SEE PAGE 1

Studio Amsterdam Session 438 16:30 - 18:00

Journal session: Interstitial lung diseases: from disease mechanisms to novel treatment options
A joint ERS/Lancet session

Aims : To provide new insights into disease pathogenesis; to highlight the clinical promise of disease biomarkers; to consider current diagnostic approaches; to describe the range of treatment options available or being developed for patients with interstitial lung disease; to set out future directions for research and clinical practice.

Disease(s) : Interstitial lung diseases

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

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Scientist (basic, translational)

Chairs : Silke Meiners (München, Germany), Katerina Antoniou (Heraklion, Greece)

16:30	**Introduction** Rebecca Craven (London, United Kingdom)	**4078**

16:35	**Disease pathology in interstitial lung disease** Elisabetta Renzoni (London, United Kingdom)	**4079**
16:50	**Biomarker discovery, development, and implementation in interstitial lung diseases** Gisli Jenkins (London, United Kingdom)	**4080**
17:05	**Early diagnosis of fibrotic interstitial lung disease: challenges and opportunities** Paolo Spagnolo (Padova (PD), Italy)	**4081**
17:20	**Treatment of interstitial lung diseases: current approaches and future directions** Kerri Johannson (Calgary (AB), Canada)	**4082**
17:35	**Discussion and Q&A**	**4083**
17:55	**Conclusions** Rebecca Craven (London, United Kingdom)	**4084**

Studio Barcelona Session 439 16:30 - 18:00

Grand round: Clinical challenges beyond guidelines

Aims : To describe controversial aspects of the current guidelines for non-invasive respiratory support, asthma, management of solitary pulmonary nodules and imaging of pulmonary hypertension; to discuss data underpinning non-adherence and alternative approaches to ongoing recommendations; to propose evidence-based substitute management recommendations for clinicians; to identify areas of concern and to highlight the need for further research.

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

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

Tag(s) : Clinical

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

Chairs : Christopher E. Brightling (Leicester (Leicestershire), United Kingdom), Nicolas Roche (Paris, France), Carolina Maria Gotera Rivera (Madrid, Spain)

16:30	**Introduction**	**4085**
16:35	**Noninvasive respiratory support in the hypoxaemic peri operative/periprocedural patient: joint ESA/ESICM guideline** Lise Piquilloud (Lausanne, Switzerland)	**4086**
16:55	**Deconstructing the GINA staircase: the new house of asthma** Paul O'Byrne (Hamilton (ON), Canada)	**4087**
17:15	**Self-oriented interpretation of guidelines for management of solitary pulmonary nodules. ACR, ACCP, BTS and Fleischner: a “pot pourri” that may miss occult cancer?** Stefano Elia (Roma (RM), Italy)	**4088**
17:35	**Imaging of pulmonary hypertension in adults: a position paper from the Fleischner Society** David Kiely (Sheffield (South Yorkshire), United Kingdom)	**4089**
17:55	**Session wrap-up**	**4090**

Studio London Session 440 16:30 - 18:00

Hot topics: The environment and climate change effects on lung health across the lifecourse

Aims : To answer crucial open questions about the causal relationships between adverse environmental exposures and respiratory outcomes, their interplay and elaborate strategies in order to decrease the burden of resulting respiratory diseases; to explore the interactions of poverty and environmental exposures as an additional “new” risk for respiratory health, both in low-middle, and high-income countries; to present new WHO Air Quality Guidelines (AQG), which are based on the expert evaluation of the latest scientific evidence on the health effects of air pollution.; to discuss what potential implications the new WHO AQG will have on the air quality legislation in EU, which is in the heart of European Green Deal, and how respiratory clinicians can use the new Guildeine in their clinical work, in increasing awarness of air polution health effects among their patients and clincicans, as well as in translation of this knowldege to relevant authorities demanding cleaner air quality policies.

Disease(s) : Airway diseases | Paediatric respiratory diseases | Respiratory infections

Method(s) : Epidemiology | Public health

Tag(s) : Clinical

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

Chairs : Jonathan Grigg (London, United Kingdom), Alexander Möller (Zürich, Switzerland)

16:30	**Introduction**	**4091**
16:35	**The effect of the green environment and climate change on respiratory health** Elaine Fuertes (London, United Kingdom)	**4092**
16:50	**Environmental exposures and socio-economic disparity: the effect on lung health across the life course** Ulrike Gehring (Utrecht, Netherlands)	**4093**
17:05	**The new WHO air quality guidelines presentation** Michal Krzyzanowski (London, United Kingdom)	**4094**
17:20	**The new WHO air quality guidelines: policy and clinical implications for children with respiratory diseases** Barbara Hoffmann (Düsseldorf, Germany)	**4095**
17:35	**Discussion and Q&A**	**4096**

Studio Munich | Session 441 | 16:30 - 18:00

Symposium: What is new for sleep apnoea? The European perspective: findings from the European Sleep Apnoea Database (ESADA)

Aims : To provide new insights from the results of the ongoing Clinical Research Collaboration from the European Sleep Apnoea Database big data analysis and its importance to challenging traditional obstructive sleep apnoea (OSA) stereotypes with the aims of preventing disease and achieving early disease identification; to emphasise the need to use new technologies for diagnosis and early identification of residual daytime sleepiness and treatment follow-up, especially in terms of driving safety and difficult situations such as endemics and pandemics; to identify future research directions and their clinical implications; to emphasise the importance of European networking in general and for early career members.

Disease(s) : Paediatric respiratory diseases | Respiratory critical care | Sleep and breathing disorders

Method(s) : Epidemiology | General respiratory patient care | Physiology

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, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist

Chairs : Sophia E. Schiza (Heraklion, Greece), Matteo Bradicich (Basel, Switzerland)

16:30	**Introduction**	**4097**
16:35	**Cluster analysis of clinical phenotypes of OSA and its implications for comorbidities** Jean-Louis Pépin (Grenoble, France)	**4098**
16:50	**Mild sleep apnoea: the hidden base of the iceberg?** Walter McNicholas (Dublin, Ireland)	**4099**
17:05	**Residual daytime sleepiness and its implications** Maria Bonsignore (Palermo, Italy)	**4100**
17:20	**Controversies in OSA: causes and future directions** Patrick Lévy (Grenoble, France)	**4101**
17:35	**Discussion and Q&A**	**4102**

Studio Paris | Session 442 | 16:30 - 18:00

Symposium: Community-acquired pneumonia: the new perspective in the post-COVID era

Update on pneumonia including critical analysis of the new guidelines and new diagnostic and therapeutic options in light of recent experience with COVID-19 pneumonia

Aims : to update health professionals dealing with pneumonia about recent guidelines, the new challenges of viral pneumonia that emerged during the COVID-19 pandemic and advances in new diagnostic and therapeutic options.

Disease(s) : Respiratory critical care Respiratory infections

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

Tag(s) : Clinical, COVID

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Paediatrician, Patient, Physician in Pulmonary Training

Chairs : Giovanni Sotgiu (Porto Torres (SS), Italy), Miriam Barrecheguren Fernandez (Barcelona, Spain)

16:30	**Introduction**	**4103**
16:35	**Rethinking the guidelines after COVID-19** Ignacio Martin-Loeches (Dublin, Ireland)	**4104**
16:50	**The challenges of viral pneumonia in the post-COVID era** Carolina García-Vidal (, Spain)	**4105**
17:05	**Advances in diagnostic tools for lower respiratory tract infections** Cristina Prat Aymerich (Badalona (Barcelona), Spain)	**4106**
17:20	**Antimicrobial resistance and new therapeutic options** Kristina Crothers (Seattle, United States of America)	**4107**
17:35	**Discussion and Q&A**	**4108**

Channel 6 Session 443 16:30 - 18:00

Oral presentation: Late breaking basic and translational science of SARS-Cov2 and COVID-19

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Airway diseases Respiratory critical care

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

Tag(s) : COVID

Chairs : Sabine Bartel (Groningen, Netherlands), H. Irene Heijink (Groningen, Netherlands)

OA4109	**Introduction**
OA4110	**Late Breaking Abstract - SARS-CoV-2 induces hyperinflammation in human macrophages via TLR4** Sabina Sahanic (Innsbruck, Austria), Richard Hilbe, Judith Löffler-Ragg, Günter Weiss, Doris Wilflingseder, Wilfried Posch, Ivan Tancevski
OA4111	**Late Breaking Abstract - ACE2 Overexpression Modulates Nicotine Receptors In Cell Type Specific Manner: Possible Relevance In Covid-19** Tamires Alves Nunes (, Brazil), Cynthia Bartholomeo, Tiago Nicoliche, Robertha Lemes, Nathalia Pinheiro, Wothan Tavares-De-Lima, Iolanda Tiberio, Ayman Hamouda, Kil Lee, Rodrigo Ureshino, Roberta Stilhano, Carla Prado
OA4112	**Late Breaking Abstract - Antagonizing COVID19-induced GPR4 alleviates lung and kidney injury** Muriel Lizé (Wuppertal, Germany), Lioba Kochbeck, Vera Duesterhus, Carolin Ebert, Sigrid Horstmann, Karoline Droebner, Martina V. Schmidt
OA4113	**Late Breaking Abstract - MicroRNA signatures in critically ill COVID-19 patients: a bronchial aspirate study** Marta Molinero García (Lleida, Spain), Iván D. Benítez, Jessica González, Clara Gort-Paniello, Anna Moncusí-Moix, Fátima Rodríguez-Jara, María C. García-Hidalgo, Gerard Torres, Jose J Vengoechea, Silvia Gómez, Ramón Cabo, Jesús Caballero, Jesús F. Bermejo-Martin, Adrián Ceccato, Laia Fernández-Barat, Ricard Ferrer, Dario Garcia-Gasulla, Rosario Menéndez, Ana Motos, Oscar Peñuelas, Jordi Riera, Antoni Torres, Ferran Barbé, David De Gonzalo-Calvo
OA4114	**Late Breaking Abstract - Increased Substance P levels in COVID-19 hospitalized patients** Sandra Smieszek (Washington, United States of America)
OA4115	**Late Breaking Abstract - Effect of hydrogen therapy on the proteomic profile of exhaled breath condensate after recovery from COVID-19** Alexey Kononikhin (Moscow, Russian Federation), Anna Ryabokon, Anna Kozyr, Natalia Zakharova, Maria Indeykina, Alexander Brzhozovskiy, Ludmila Shogenova, Eugene Nikolaev, Sergey Varfolomeev, Alexander Chuchalin

OA4116	**Late Breaking Abstract - MicroRNA profiling informs on the pulmonary sequelae of COVID-19-induced ARDS** María C García-Hidalgo (Lleida, Spain), Iván D. Benítez, Manel Pérez-Pons, Jessica González, Paola Carmona, Sally Santisteve, Clara Gort-Paniello, Anna Moncusí-Moix, Fátima Rodríguez-Jara, Marta Molinero, Gerard Torres, Jesús F. Bermejo-Martín, Adrián Ceccato, Laia Fernández-Barat, Ricard Ferrer, Dario García-Casulla, Rosario Menéndez, Ana Motos, Óscar Peñuelas, Jordi Riera, Antoni Torres, Ferrán Barbé, David De Gonzalo-Calvo
OA4117	**Late Breaking Abstract - Monocyte-derived macrophages display an inflammatory memory several months post SARS-CoV-2 infection** Julia Esser-von Bieren (Munich, Germany), Sina Bohnacker, Franziska Hartung, Fiona Henkel, Alessandro Quaranta, Johan Kolmert, Alina Priller, Paul Lingor, Adam Chaker, Percy Knolle, Carsten Schmidt-Weber, Craig Wheelock, Julia Esser-von Bieren
OA4118	**Late Breaking Abstract - Characterization of the immunological profile of COVID-19 patients and correlation of CD4+ and CD8+ T lymphocytes with disease severity during hospitalization.** Kalliopi Domvri (Thessaloniki, Greece), Kalliopi Domvri, Ioanna Tsiouprou, Apostolis Apostolopoulos, Maria Hadzimitrova, Ioanna Fillipou, Athanasia Pataka, Spyridon Gougousis, Theodoros Kontakiotis, Despoina Papakosta, Evangelia Fouka, Konstantinos Porpodis
OA4119	**Late Breaking Abstract - A randomised, double-blind, placebo controlled, clinical trial evaluating imatinib in patients with severe COVID-19** Jurjan Aman (Amsterdam, Netherlands), Erik Duijvelaar, Liza Botros, Azar Kianzad, Job Schippers, Patrick Smeele, Sara Azhang, Imke Bartelink, Pierre Bet, Wim Boersma, Karin Boomars, Peter Bonta, Lieuwe Bos, Job Van Bragt, Gert-Jan Braunstahl, Lucas Celant, Katrien Eger, Miranda Geelhoed, Yurika Van Glabbeek, Hans Grotjohan, Laura Hagens, Chris Happe, Leo Heunks, Michel Van Den Heuvel, Wouter Hoefsloot, Rianne Hoek, Romke Hoekstra, Herman Hofstee, Arthur Vanhove, Nicole Juffermans, Marije Lammers, Renate Kos, Marleen Kemper, Peter Kunst, Ivo Van Der Lee, Laurien Van Der Lee, Pearl Mau-Asam, Anke-Hilse Maitland-Van Der Zee, Adinda Mieras, Esther Nossent, Marieke Overbeek, Laurien Oswald, Nienke Paternotte, Carol Pamplona, Niels Pronk, Michiel De Raaf, Elise Slob, Ary Serpa Neto, Marcus Schultz, Marry Smit, Frank Smeenk, Josien Smits, Janneke Stalenhoef, Pieter Roel Tuinman, Jeroen Wessels, Jessy Van Wezenbeek, Anton Vonk Noordegraaf, Frances Handoko-De Man, Harm Jan Bogaard
OA4120	**Discussion**

17:30-18:15
INDUSTRY SKILLS LAB WORKSHOP SEE PAGE 1

Studio Amsterdam — Session 445 — 18:00 - 18:15

Breakout room: Breakout room: Journal session, Interstitial lung diseases: from disease mechanisms to novel treatment options

Chairs : Rebecca Craven (London, United Kingdom), Elisabetta Renzoni (London, United Kingdom), Gisli Jenkins (London, United Kingdom), Paolo Spagnolo (Padova (PD), Italy), Kerri Johannson (Calgary (AB), Canada), Merian Kuipers (Den Haag, Netherlands)

Studio Barcelona — Session 446 — 18:00 - 18:15

Breakout room: Breakout room: Grand round, Clinical challenges beyond guidelines

Chairs : Lise Piquilloud (Lausanne, Switzerland), Paul O'Byrne (Hamilton (ON), Canada), Stefano Elia (Roma (RM), Italy), David Kiely (Sheffield (South Yorkshire), United Kingdom), Lydia Finney (London, United Kingdom)

Studio London — Session 447 — 18:00 - 18:15

Breakout room: Breakout room: Hot topics, The environment and climate change effects on lung health across the lifecourse

Chairs : Elaine Fuertes (London, United Kingdom), Michal Krzyzanowski (London, United Kingdom), Barbara Hoffmann (Düsseldorf, Germany), Lynne Schofield (Leeds, United Kingdom), Ulrike Gehring (Utrecht, Netherlands)

Studio Munich — Session 448 — 18:00 - 18:15

Breakout room: Breakout room: Symposium, What is new for sleep apnoea? The European perspective: findings from the European Sleep Apnoea Database (ESADA)

Chairs : Jean-Louis Pépin (Grenoble, France), Walter McNicholas (Dublin, Ireland), Maria Bonsignore (Palermo, Italy), Patrick Lévy (Grenoble, France), Sébastien Baillieul (Grenoble CEDEX 9, France)

Studio Paris — Session 449 — 18:00 - 18:15

Breakout room: Breakout room: Symposium, Community-acquired pneumonia: the new perspective in the post-COVID era

Chairs : Ignacio Martin-Loeches (Dublin, Ireland), Carolina García-Vidal (, Spain), Cristina Prat Aymerich (Badalona (Barcelona), Spain), Kristina Crothers (Seattle, United States of America), Aurélie Crabbé (Ghent, Belgium)

18:15-19:15
INDUSTRY VIRTUAL SYMPOSIUM SEE PAGE 1

20:00-21:30
INDUSTRY VIRTUAL SYMPOSIUM SEE PAGE 1

Studio Amsterdam Session 460 08:15 - 09:15

Knowledge café: Challenges raised by COVID in early career respiratory professional training

Aims : To understand the major challenges experience by early career professionals on their training due to COVID19, determine which support systems are required for the training of early career professionals affected by COVID19, understand the needs of early career professionals in the aftermaths of COVID19, understand the role of institution leadership/faculty in the support of training for early career professionals affected by COVID19.

Chairs : Sheila Ramjug (Altrincham, United Kingdom)

08:15	**Challenges raised by COVID in early career respiratory professional training - moderated discussion** Maxime Patout (Mont-Saint Aignan, France), Mareike Lehmann (München, Germany), Sheila Ramjug (Altrincham, United Kingdom)	**4177**
08:45	**Interactive questions and answers** Maxime Patout (Mont-Saint Aignan, France), Mareike Lehmann (München, Germany), Sheila Ramjug (Altrincham, United Kingdom)	**4178**

Studio Barcelona Session 461 08:15 - 09:15

Knowledge café: How to engage with patient organisations?

Aims : To explain when interactions with patient organisations are important, understand how to effectively speak with patients, understand the importance of the patient perspective for both clinical and basic/translational studies.

Chairs : Cristina Ardura-Garcia (Bern, Switzerland)

08:15	**Engaging with patient organisations - moderated discussion** Kjeld Hansen (Oslo, Norway), Pippa Powell (Sheffield (South Yorkshire), United Kingdom), Eva Sophie Lunde Pedersen (Bern, Switzerland)	**4179**
08:45	**Interactive questions and answers** Pippa Powell (Sheffield (South Yorkshire), United Kingdom), Kjeld Hansen (Oslo, Norway), Cristina Ardura-Garcia (Bern, Switzerland), Eva Sophie Lunde Pedersen (Bern, Switzerland)	**4180**

Studio London Session 462 08:15 - 09:15

Knowledge café: Mobility as an early career respiratory professional

Aims : To understand the influence of a national/international change of institution on your personal and career development, review the alternatives to mobility requirements for grant applications, explain how to find a suitable host institution for a stay abroad.

Chairs : Niki Ubags (Epalinges, Switzerland)

08:15	**Mobility as an early career respiratory professional - moderated discussion** Melanie Konigshoff (Pittsburgh, United States of America), Rory Morty (Heidelberg, Germany), Niki Ubags (Epalinges, Switzerland)	**4181**
08:45	**Interactive questions and answers** Niki Ubags (Epalinges, Switzerland), Rory Morty (Heidelberg, Germany), Melanie Konigshoff (Pittsburgh, United States of America)	**4182**

Studio Munich Session 463 08:15 - 09:15

Knowledge café: How to effectively publish scientific work?

Aims : To understand how to prepare your manuscript, explain the importance of your cover letter, explain how to effectively respond to reviewer comments, understand how to effectively interact with the editors.

Chairs : Holly Rachael Keir (Dundee (Angus), United Kingdom)

08:15	**Effectively publishing scientific work - moderated discussion** James D. Chalmers (Dundee (Angus), United Kingdom), Esther Barreiro Portela (Barcelona, Spain), Holly Rachael Keir (Dundee (Angus), United Kingdom)	**4183**
08:45	**Interactive questions and answers** Holly Rachael Keir (Dundee (Angus), United Kingdom), James D. Chalmers (Dundee (Angus), United Kingdom), Esther Barreiro Portela (Barcelona, Spain)	**4184**

Studio Paris Session 464 08:15 - 09:15

Knowledge café: How to identify your research niche?

Aims : To understand the importance of finding your own (research) niche, understand how to establish your (research) niche for your career development, explain how to search for/approach an organisation with the appropriate environment for your (research) niche.

Chairs : Orianne Dumas (Villejuif, France)

08:15	**Identifying your research niche - moderated discussion** Darcy Wagner (Lund, Sweden), Orianne Dumas (Villejuif, France), Speaker to be confirmed	**4185**
08:45	**Interactive questions and answers** Orianne Dumas (Villejuif, France), Darcy Wagner (Lund, Sweden), Speaker to be confirmed	**4186**

Channel 1 Session 465 09:30 - 11:00

Oral presentation: Emerging evidence on sub-acute and long COVID-19

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

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

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

Tag(s) : COVID

Chairs : Laura Fregonese (London, United Kingdom), Guido Vagheggini (Volterra (PI), Italy)

OA4187	**Introduction**
OA4188	**Multi-disciplinary approach to Long COVID in hospitalised and non-hospitalised COVID-19 patients (IMPACT-COVID study)** Stine Johnsen (København, Denmark), Stefan Sattler, Kamilla Miskowiak, Keerthana Kunalan, Alan Victor, Lars Pedersen, Helle Frost Andreassen, Barbara Jolanta Jørgensen, Hanne Heebøll, Michael Brun Andersen, Lisbeth Marner, Carsten Hædersdal, Henrik Hansen, Sisse Bolm Ditlev, Celeste Porsbjerg, Therese Lapperre
OA4189	**Post-COVID-19 Symptom Burden: What is Long-COVID and how should we manageit?** Dominic Sykes (Garforth, United Kingdom), Luke Holdsworth, Nadia Jawad, Pumali Gunasekera, Alyn H Morice, Michael G Crooks
OA4190	**Correlation of severity of the lung involvement in chest tomography with 6-minute walk test (6MWT) after hospital discharge in patients with COVID-19** Bruna Scharlack Vian (Campinas, Brazil), Pedro Maximink Esteves Villar, Henrique Alcântara Engleitner, Carolina Salem Tamesawa, Mayara Magalhães Morello, Lais Bacchin De Oliveira, Ana Lucia Cavallaro Baraúna Lima, Hugo Dugolin Ceccato, Julian Furtado Silva, Ronaldo Macedo, Ligia Roceto Ratti, Mônica Corso Pereira
OA4191	**Evaluation of COVID-19 radiological abnormalities at follow-up.** Shiva Bikmalla (Stoke-on-Trent (Staffordshire), United Kingdom), Muneer-Ahmed Syed, Stewart Morton
OA4192	**Consequences of SARS-COV-2 Pneumonia on Lung function** Guido Levi (Bovezzo, Italy), Nicla Orzes, Laura Pini, Silvia Uccelli, Francesca Cettolo, Jordan Giordani, Alessandro Pini, Michele Guerini, Manuela Ciarfaglia, Claudio Tantucci
OA4193	**CAT score as a predictor of long term complications of COVID-19** Raminder Aul (london, United Kingdom), Adrian Draper, Anne Dunleavy, Sachelle Ruickbie, Helen Meredith, Nicola Walters, Jessica Gates, Cristiano Van Zeller, Victoria Taylor, Roisin Dunwoody, Michael Bridgett, Yee Ean Ong
OA4194	**Hospital re-admissions and deaths associated with COVID-19 illness: survival analysis** Zaimah Ali (WEDNESBURY, United Kingdom), Sadia Ahmed, Annabel Makan, Emma Crawford, Koottalai Srinivasan, Devapriya Dev, Nawaid Ahmad, Harmesh Moudgil
OA4195	**SARS-CoV-2: Survival in COPD phenotypes** Matthew Pavitt (Billingshurst (West Sussex), United Kingdom), Sophie Krivinskas, Jo Congleton, Sabrine Hippolyte
OA4196	**Middle-long term pulmonary abnormalities after severe COVID-19 pneumonia which required invasive ventilation** Christine Seebacher (Bolzano (BZ), Italy), Gerhard Resch, Emanuele Stirpe, Roberto Dongilli, Lucio Bonazza, Patrizia Pernter, Federica Ferro
OA4197	**Late Breaking Abstract - Post-trial follow-up after a randomized clinical trial of COVID-19 convalescent plasma.** Maria Teresa Panighetti (CABA, Argentina), Ignacio Esteban, Fernando P. Polack
OA4198	**Discussion**

Channel 2 Session 466 09:30 - 11:00

Oral presentation: Advances in the diagnosis of tuberculosis, multidrug-resistant tuberculosis and nontuberculous mycobacterial disease

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Method(s) : Cell and molecular biology General respiratory patient care Endoscopy and interventional pulmonology Imaging

Chairs : Dirk Wagner (Freiburg, Germany), Berit Lange (Freiburg, Germany)

OA4199	**Introduction**
OA4200	**Diversity of genetic profiles of Mycobacterium tuberculosis from Ural region of Russia** Tatiana Umpeleva (Ekaterinburg, Russian Federation), Elena Mazurina, Leonid Lavrenchuk, Natalia Eremeeva, Diana Vakhrusheva
OA4201	**Identification of isoniazid mono-resistance is delayed despite whole genome sequencing** Mirae Park (London, United Kingdom), Meg Coleman , Laura Martin, Georgie Russell, Ajit Lalvani, Giovanni Satta, Onn Min Kon
OA4202	**Availability of drug susceptibility testing to new/re-purposed anti-tuberculosis drugs: a TBnet study** Lorenzo Guglielmetti (Paris, France), Claude Leu, Gunar Günther, Graham Bothamley, Christoph Lange, Frank Van Leth
OA4203	**Role of PET CT scans in Tuberculous Meningitis** Thangakunam Balamugesh (Vellore (Tamil Nadu), India), Rajasekar Sekar, Deepa Shankar, Julie Hephzibah, Devasahayam J Christopher
OA4204	**Genetic polymorphism and phenotypic resistance of Mycobacterium tuberculosis to fluoroquinolones of different generations** Leonid Lavrenchuk (Ekaterinburg, Russian Federation), Tatyana Umpeleva, Natalya Eremeeva, Diana Vakhrusheva
OA4205	**Residual DNA of Mtb from the bronchoscope channel as a possible cause of false positive results in the diagnosis of tuberculosis** Natalya Eremeeva (Ekaterinburg (Sverdlovsk Oblast), Russian Federation), Anna Cvirenko, Tatyana Umpeleva, Diana Vakhrusheva, Leonid Lavrenchuk, Artem Minin
OA4206	**The effectiveness of broncho-alveolar lavage for the pathogen detection in children with pulmonary tuberculosis** Anastasiia Russkikh (Moscow , Russian Federation), Elena Veselova, Olga Lovacheva, Nadezda Klevno, Anna Panova, Alexandra Gracheva, Anastasia Samoilova, Irina Vasilyeva
OA4207	**Pulmonary non-tuberculous mycobacterial infection in patients without predisposing condition, morphological and immunological overview of a french cohort** Emilie Catherinot (Paris, France), Camille Bron, Jérémie Rosain, Valentine Jeanne-Julien, Hélène Salvator, Philippe Devilliers, Evelyne Balloul, Gilles Bonan, Dominique Valeyre, Geneviève Le Bourdelles, Elisabeth Rivaud, Colas Tcehrakian, Capucine Picard, Stéphanie Boisson-Dupuis, Emilie Cardot, Eric Farfour, Pierre Cahen, Jean-Laurent Casanova, Jacinta Bustamante, Louis-Jean Couderc
OA4208	**The role of increasing TIM3 on T cells in patients with nontuberculous mycobacterial lung disease: from immune cell dysfunction to clinical severity** Chin-Chung Shu (Taipei, Taiwan), Chin-Chung Shu, Ping-Huai Wang, Ming Fang Wu
OA4209	**Late Breaking Abstract - Initiation of patient enrollment in treatment with BPaL in Ukraine: first intermediate results** Nataliia Lytvynenko (Київ, Ukraine), Maryna Pogrebna, Yuliia Senko, Yurii Gamazin, Iana Terleeva
OA4210	**Discussion**

Channel 3 Session 467 09:30 - 11:00

Oral presentation: Pearls in asthma and respiratory burden research

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Airway diseases

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

Chairs : Jennifer Quint (Wimbledon, United Kingdom), Giorgio Walter Canonica (Milano (MI), Italy)

OA4211	**Introduction**

OA4212	**Trends in asthma prevalence among young adults in Denmark – a 20-year nationwide register-based study** Inge Raadal Skov (Odense, Denmark), Hanne Madsen, Jacob Harbo Andersen, Jesper Rømhild Davidsen
OA4213	**Do clinical traits differ between GINA 2020 Steps 4 and 5 in primary versus secondary care?** Kjell Erik Julius Håkansson (København N, Denmark), Yunus Çolak, Peter Lange, Børge Nordestgaard, Vibeke Backer, Charlotte Suppli Ulrik
OA4214	**Distribution of biomarkers in severe asthma and severe uncontrolled asthma** Bo Ding (Mölndal, Sweden), Stephanie Chen, Aayushi Agrawal, Divyansh Srivastava, Jaime Solorzano, Bill Cook, Alberto Papi, Helen K Reddel
OA4215	**Obesity and inflammatory markers in adult-onset asthma** Helena Backman (Lulea, Sweden), Sofia Winsa Lindmark, Linnea Hedman, Katja Warm, Tomi Myrberg, Caroline Stridsman, Hannu Kankaanranta, Anne Lindberg, Bo Lundbäck, Eva Rönmark
OA4216	**Effect of pregnancy on asthma control: a cohort study in rural Sri Lanka** Shashanka Indeevara Rajapakse Rajapakse Mudiyanselage (Kandy, Sri Lanka), Nuwan Darshana Wickramasinghe, Thilini Chanchala Agampodi, Gayani Amarasinghe, Ayesh Hettiarachchi, Imasha Upulini Jayasinghe, Iresha Koralegedara, Janith Warnasekara, Suneth Buddhika Agampodi
OA4217	**Blood inflammatory phenotypes of asthma in the Constances cohort** Tajidine TSIAVIA (PARIS, France), Joseph Henny, Marcel Goldberg, Marie Zins, Nicolas Roche, Laurent Orsi*, Rachel Nadif*
OA4218	**The Czech National Programme for Early De-tection of Chronic Obstructive Pulmonary Disease – interim results from the pivotal project.** Kristian Brat (Brno, Czech Republic), Karel Hejduk, Norbert Kral, Jana Skrickova, Stanislav Kos, Ivana Cierna Peterova, Ondrej Ngo, Jan Kouril, Vladimir Koblizek
OA4219	**Non-respiratory diseases in adults with and without asthma by age at diagnosis** Jasmin Honkamäki (Tampere, Finland), Pinja Ilmarinen, Hanna Hisinger-Mölkänen, Leena E Tuomisto, Heidi Andersen, Heini Huhtala, Anssi Sovijärvi, Ari Lindqvist, Helena Backman, Bo Lundbäck, Bright Nwaru, Eva Rönmark, Lauri Lehtimäki, Paula Pallasaho, Päivi Piirilä, Hannu Kankaanranta
OA4220	**Late Breaking Abstract - Rates and risk factors of respiratory symptoms during marathon running** Siyu Dai (Hong Kong, Hong Kong), Jianping Ding
OA4221	**Late Breaking Abstract - An international Mendelian Randomization study of BMI and ICS response in children** Cristina Longo (Laval, Canada), Erick Forno, Andreas Boeck, Juan Celedon, Wei Chen, Raquel Granell, Michael Salvermoser, Bianca Schaub, Stephen Turner, Suzanne Vijverberg, Zhongli Xu, Anke-Hilse Maitland-Van Der Zee
OA4222	**Discussion**

Channel 4 Session 468 09:30 - 11:00

Oral presentation: A selection of the best abstracts in respiratory physiotherapy and exercise

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.
This session includes the Best Abstract for Assembly 9 - Allied Respiratory Professionals, entitled "Effect of beta-alanine supplementation on muscle carnosine, oxidative and carbonyl stress, antioxidants and physical capacity in patients with COPD"

Disease(s) : Airway diseases Thoracic oncology Respiratory critical care

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

Chairs : Andre Nyberg (Umeå, Sweden), Arietta Spinou (London, United Kingdom)

OA4223	**Introduction**
OA4224	**Effect of beta-alanine supplementation on muscle carnosine, oxidative and carbonyl stress, antioxidants and physical capacity in patients with COPD** Jana De Brandt (Diepenbeek, Belgium), Wim Derave, Frank Vandenabeele, Pascal Pomiès, Joseph Aumann, Laura Blancquaert, Inge Everaert, Charly Keytsman, Marina Barusso-Grüninger, Maurice Hayot, Martijn Spruit, Chris Burtin
OA4225	**Inhospital NEMS for patients with coexisting physical frailty and cognitive imparment during acute exacerbation of COPD: a randomized controlled trial** Laura Lopez Lopez (Granada, Spain), Jesús González-Dueñas, Irene Torres-Sánchez, Andrés Calvache-Mateo, Araceli Ortiz-Rubio, Marie Carmen Valenza

OA4226	**Comparison between two endurance training programmes to increase functional capacity after lung transplantation** Raquel Sebio Garcia (Barcelona, Spain), Esther Gimenez-Moolhuyzen, Maria M Martín-García, Montserrat Balsa-Canto, Manuel Carreira-Parrado
OA4227	**Cost-effectiveness analysis of home-based rehabilitation in inoperable lung cancer** Lara Edbrooke (Melbourne (VIC), Australia), Linda Denehy, Cameron Patrick, Haitham Tuffaha
OA4228	**Inspiratory muscle training improves muscle oxygenation and efficiency of extradiaphragmatic inspiratory muscles in difficult to wean (DTW) patients** Marine Van Hollebeke (Leuven, Belgium), Diego Poddighe, Beatrix Clerckx, Greet Hermans, Rik Gosselink, Daniel Langer, Zafeiris Louvaris
OA4229	**Effects of combining functional exercises and exercise training in COPD** Fabiano de Lima (Presidente Prudente (SP), Brazil), Carlos Augusto Camillo, Isis Grigoletto, Juliana Uzeloto, Franciele Vanderlei, Dionei Ramos, Chris Burtin, Ercy Ramos
OA4230	**Dyspnea and endurance with automated oxygen titration during walking in patients with COPD** Linette Marie Kofod (Jyllinge, Denmark), Elisabeth Westerdal, Morten Tange Kristensen, Barbara Christina Brocki, Thomas Ringbæk, Ejvind Frausing Hansen
OA4231	**Early exercise-based rehabilitation using elastic bands on endothelial function in patients hospitalized with acute exacerbation of COPD.** Renata Mendes (Sao Carlos (SP), Brazil), Erika Zavaglia Kabbach, Alessandro Domingues Heubel, Anna Claudia Sentanin, Nathany Schafauser, Valéria Amorim Pires Dii Lorenzo, Audrey Borghi-Silva
OA4232	**Discussion**

Channel 5 Session 469 09:30 - 11:00

Oral presentation: Exploring the phenotypic heterogeneity across rare diffuse parenchymal lung diseases

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Interstitial lung diseases Airway diseases

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

Chairs : Francesco Bonella (Düsseldorf, Germany), Cormac McCarthy (Dublin 4, Ireland)

OA4233	**Introduction**
OA4234	**Granulomatous-Lymphocytic Interstitial Lung Disease (GLILD): an international research prioritisation** Heba M Bintalib (London, United Kingdom), S Hamza Abbas, Klaus Warnatz, John R Hurst (and On Behalf Of The Eglildnet Consortium)
OA4235	**Diffuse Pulmonary Non-Amyloid Light-Chain Deposition Disease: Phenotypes and Outcome** François Lestelle (Lyon, France), Mouham Nasser, Antoine Roux, Sandrine Hirschi, Lidwine Wemeau, Gregoire Prévot, David Rotzinger, Salim Si-Mohamed , Vincent Bunel, Emmanuel Gomez, Laurent Sohier, Helene Morisse Pradier, Martine Reynaud Gaubert, Anne Gondouin, Romain Lazor, Yurdagul Uzunhan, Pierre Rigaud, Magali Colombat, Catherine Beigelman, Vincent Cottin
OA4236	**Idiopathic chronic obliterative bronchiolitis: a multicentric retrospective cohort** Mouhamad Nasser (Bron, France), Yurdagül Uzunhan, Sandrine Hirschi, Stéphane Jouneau, François Lebargy, Aurélien Justet, Camille Taillé, Lidwine Wemeau, Victor Valentin, Raphael Borie, Benoit Godbert, Frédéric Gagnadoux, Laurent Guilleminault, Hilario Nunes, Sylvain Marchand-Adam, Vincent Cottin
OA4237	**Specifying pediatric pulmonary hemorrhage: Suggestion of a diagnostic algorithm as guide to disease subcategories** Katrin Knoflach (München, Germany), Christina Rapp, Elias Seidl, Nicolaus Schwerk, Martin Wetzke, Julia Carlens, Nural Kiper, Nagehan Emiralioğlu, Frederik Buchvald, Astrid Madsen Ring, Peter N Robinson, Matthias Griese
OA4238	**Estimating long-term survival in progressive fibrosing interstitial lung disease (PF-ILD) other than IPF using matched IPF data** Toby Maher (Los Angeles, United States of America), Bryony Langford, Alex Diamantopoulos , Klaus Rohr, Mike Baldwin, Yoshikazu Inoue
OA4239	**Prevalence of lymphangioleiomyomatosis in an Irish population and biomarker utility** Evelyn Lynn (Blackrock (Co. Dublin), Ireland), Joseph Morrow, Aurelie Fabre, J.D. Dodd, D.J. Murphy, Michael Keane, Cormac Mccarthy

OA4240	**Bronchoalveolar lavage fluid (BALF) findings in patients with immune checkpoint inhibitor (ICI)-associated interstitial pneumonia (IP)** Lutz-Bernhard Jehn (Essen, Germany), Julia Wälscher, Thomas E. Wessendorf, Elisabeth Livingstone, Lisa Zimmer, Martin Metzenmacher, Wilfried Eberhardt, Dirk Theegarten, Francesco Bonella
OA4241	**A First-in-Class PRS Inhibitor, DWN12088, as a Novel Therapeutic Agent for Systemic Sclerosis and Associated Interstitial Lung Disease** Caroline Lee (Yongin, Republic of Korea), Caroline Lee, Da-Jeong Bae, Minjae Cho, Seungmin Shin, Jong Min Kim, Joon-Hwan Lee, Sanghyuk Kang, Jiwon Jung, Hyungmo Koo, Joon Seok Park
OA4242	**Local Administration of Targeted Liposomes Loaded with Everolimus for Interstitial Lung Disease in Systemic Sclerosis** Laura Pandolfi (Pavia, Italy), Vanessa Frangipane, Ana Urzainqui, Alessandro Marengo, Kamila Bohne-Japiassu, Veronica Codullo, Lorenzo Cavagna, Valentina Vertui, Sara Bozzini, Monica Morosini, Santos Castañeda, Elias Fattal, Federica Meloni
OA4243	**Late Breaking Abstract - Role of matrix metalloproteinase-2 and -9 in experimental lung fibrosis in mice** Tina Bormann (Hannover, Germany), Regina Maus, Jennifer Stolper, Christina Brandenberger, Tobias Welte, Jack Gauldie, Martin Kolb, Ulrich A. Maus
OA4244	**Discussion**

Studio Amsterdam Session 470 09:30 - 11:00

Symposium: Lung cancer and fibrotic interstitial lung diseases: a challenging association for pulmonologists

Diagnosis, improved treatment and prevention of lung cancer in patients with fibrotic interstitial lung disease

Aims : to provide an overview of the epidemiology, clinical, radiological and pathological characteristics and prognosis of patients with lung cancer (LC) associated with fibrotic interstitial lung disease (fILD); to describe evidence of pathophysiological intersections between these two diseases and the importance of designing new therapeutic strategies based on this knowledge; to explain the importance of cancer treatments that could improve the survival of such patients; to investigate how anti-fibrotic treatments or other therapeutic innovations could modify the natural history of these diseases.

Method(s) : Cell and molecular biology Imaging Public health

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Pathologist, Patient, Physician in Pulmonary Training, Radiologist, Scientist (basic, translational), Thoracic oncologist

Chairs : Torsten Gerriet Blum (Berlin, Germany), Marlies S. Wijsenbeek (Rotterdam, Netherlands)

09:30	**Introduction**	**4245**
09:35	**Current portrait of LC-fILD: from epidemiology to clinico-patholo-radiological presentation and prognosis** Manuela Funke-Chambour (Bern, Switzerland)	**4246**
09:50	**Pathophysiology of LC and fILD : siblings or just friends?** Venerino Poletti (Forlì, Italy)	**4247**
10:05	**How to stop LC-fILD progression: an overview of modern therapeutic strategies** Jacques Cadranel (Paris Cedex 20, France)	**4248**
10:20	**How to disrupt malicious LC-fILD pathways: antifibrotic agents as a promising therapeutic approach** Athol Wells (London, United Kingdom)	**4249**
10:35	**Discussion and Q&A**	**4250**

Studio Barcelona Session 471 09:30 - 10:10

Pro-Con debate: Fractionated exhaled nitric oxide for the diagnosis of asthma: friend or foe?

Chairs : Omar S. Usmani (London, United Kingdom), Mina Gaga (Athens, Greece)

09:30	**Introduction**	**4251**
09:32	**FeNO for the diagnosis of asthma: friend** Iñigo Ojanguren Arranz (Barcelona, Spain)	**4252**
09:44	**FeNO for the diagnosis of asthma: foe** Renaud Louis (Liège, Belgium)	**4253**

09:56	**Discussion and Q&A**	**4254**

Studio London Session 473 09:30 - 11:00

Hot topics: Viral infections trigger chronic lung damage and disease

Aims : To summarise the translational evidence for a pathogenic role of viral infections in chronic lung diseases; to explain the role of viruses as injurious agents in the onset of a variety of pulmonary pathologies (including COVID and other viruses known for their damaging effects on pulmonary health via various possible pathways); to summarise the most recent knowledge regarding viral induction of chronic lung diseases; to discuss the implications of new emerging respiratory viruses for virus epidemiology, pandemic threats and vaccine development; to highlight the contribution of viral infections to the onset of chronic lung diseases; to list the mechanistic pathways of post-viral chronic lung diseases and the factors modulating (post)virus pathogenesis including age; to describe the activation of immune cells in viral-induced chronic lung diseases and potential therapeutic approaches.

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

Method(s) : Cell and molecular biology Physiology Pulmonary rehabilitation

Tag(s) : Translational , COVID, Basic science

Target audience : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Respiratory critical care physician, Patient, Scientist (basic, translational)

Chairs : Anh Tuan Dinh-Xuan (Paris, France), Thomas Geiser (Bern, Switzerland)

09:30	**Introduction**	**4260**
09:35	**Emerging respiratory virus infections threaten pulmonary health** Speaker to be confirmed	**4261**
09:50	**Post-viral effects on the susceptibility of developing chronic lung diseases** Donald Sin (Vancouver (BC), Canada)	**4262**
10:05	**Development of paediatric asthma following viral infections** Sejal Saglani (London, United Kingdom)	**4263**
10:20	**The role of viruses in the pathogenesis of pulmonary fibrosis** Silke Meiners (München, Germany)	**4264**
10:35	**Discussion and Q&A**	**4265**

Studio Munich Session 474 09:30 - 11:00

Clinical trials session: ALERT: bronchiectasis and COVID

Disease(s) : Airway diseases | Respiratory critical care

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

Chairs : Marc Miravitlles (Barcelona (CT), Spain), Miriam Barrecheguren Fernandez (Barcelona, Spain), Tobias Welte (Hannover, Germany)

RCT4266	**Introduction**
RCT4267	**RCT Abstract - The efficacy and safety of colistimethate sodium delivered via the I-neb in bronchiectasis: the PROMIS-I randomized controlled trial** Charles Haworth (Cambridge, United Kingdom), Michal Shteinberg, Kevin L Winthrop, Francesco Blasi, Katerina Dimakou, Lucy Morgan, Felix C Ringshausen, Oriol S Vidal, Rachel Thompson, Kelly Sharp, Ischa Vissers, Dearbhla Hull, James D Chalmers
RCT4268	**Exposure-response relationships of brensocatib in patients with non-cystic fibrosis bronchiectasis (NCFBE)** Carlos Fernandez (Bridgewater, United States of America), Christopher M. Rubino, Ariel Teper, Helen Usansky, James D. Chalmers, Kevin C. Mange
RCT4269	**Wrap-up by discussant and discussion** Speaker to be confirmed
RCT4270	**Inhaled budesonide in the treatment of early COVID-19 illness: a randomised controlled trial** Sanjay Ramakrishnan (Oxford, United Kingdom), Dan V Nicolau Jr, Beverly Langford, Mahdi Mahdi, Helen Jeffers, Christine Mwasuku, Karolina Krassowska, Robin Fox, Ian Binnian, Victoria Glover, Stephen Bright, Christopher Butler, Jennifer Cane, Andreas Halner, Philippa C Matthews, Louise E Donnelly, Jodie L Simpson, Jonathan R Baker, Nabil T Fadai, Stefan Peterson, Thomas Bengtsson, Peter J Barnes, Richard E K Russell, Mona Bafadhel

RCT4271	**RCT Abstract - An adaptive randomized controlled trial of non-invasive respiratory strategies in acute respiratory failure patients with COVID-19** Bronwen Connolly (London, United Kingdom), Gavin D Perkins, Chen Ji, Keith Couper, Ranjit Lall, J Kenneth Baillie, Judy M Bradley, Paul Dark, Chirag Dave, Anthony De Soyza, Anna V Dennis, Anne Devrell, Sara Fairbairn, Hakim Ghani, Ellen A Gorman, Christopher A Green, Nicholas Hart, Siew Wan Hee, Zoe Kimbley, Shyam Madathil, Nicola Mcgowan, Benjamin Messer, Jay Naisbitt, Chloe Norman, Dhruv Parekh, Emma M Parkin, Jaimin Patel, Scott E Regan, Clare Ross, Anthony J Rostron, Mohammad Saim, Anita K Simonds, Emma Skilton, Nigel Stallard, Michael Steiner, Rama Vancheeswaran, Joyce Yeung, Daniel F Mc Auley, On Behalf Of The Recovery-Rs Collaborators
RCT4272	**Wrap-up by discussant and discussion** Speaker to be confirmed
RCT4273	**Closing remarks**

Studio Paris — Session 475 — 09:30 - 11:00

State of the art session: Paediatric respiratory diseases

Aims : To provide clinicians with practical take-home messages regarding the key management and health policy issues related to the respiratory health of children and young people; to provide an update on four important topics in paediatric respiratory medicine.

Disease(s) : Airway diseases | Paediatric respiratory diseases | Respiratory infections

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Paediatrician, Pathologist, Physician in Pulmonary Training, Radiologist, Respiratory physiotherapist, Respiratory therapist

Chairs : Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Andrew Bush (London, United Kingdom)

09:30	**Introduction**	**4274**
09:35	**Pulmonary haemorrhage in children** Nadia Nathan (Paris, France)	**4275**
09:50	**Mycoplasma pneumoniae-associated complications** Patrick Meyer Sauteur (Zurich, Switzerland)	**4276**
10:05	**The lung in sickle cell disease** Atul Gupta (London, United Kingdom)	**4277**
10:20	**A child with stridor: teamwork of paediatric pulmonologists and paediatric ENT specialists** Bas Pullens (Rotterdam, Netherlands)	**4278**
10:35	**Discussion and Q&A**	**4279**

Channel 6 — Session 476 — 09:30 - 11:00

Oral presentation: Difficult decisions on expected outcomes: availability of hospital resources and improvement of treatment adherence

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

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

Method(s) : General respiratory patient care | Public health | Palliative care

Chairs : Isabella Annesi Maesano (Paris, France), Benoit Nemery (Leuven, Belgium)

OA4280	**Introduction**
OA4281	**Cost Effectiveness Comparison of a Dry Powder Inhaler to a Metered Dose Inhaler plus Valved Holding Chamber based on a Functional Respiratory Imaging (FRI) Model** Mark Nagel (London (ON), Canada), Amanda Bracey, Alison Ellery, Jason Suggett
OA4282	**Machine learning-based prediction of deviations from DRG-based average length of hospital stay (LOHS) in a Swiss hospital** Giorgia Lüthi-Corridori (Liestal, Switzerland), Stéphanie Giezendanner, Philippe Salathé, Jörg Leuppi
OA4283	**IMPACT: Healthcare resource use data and associated costs for single-inhaler triple therapy versus dual therapies in Spain** Victoria Paly (New York, United States of America), Laura Amanda Vallejo-Aparicio, Andrea Gabrio, Gianluca Baio, Alan Martin, Afisi Ismaila

OA4284	**Cost-effectiveness of single-inhaler triple therapy for chronic obstructive pulmonary disease treatment by baseline blood eosinophil count: IMPACT trial** Afisi Ismaila (Cary, United States of America), Dhvani Shah, Alan Martin, Robyn Kendall, Nancy Risebrough
OA4285	**The economic impact recurrent inhaler versus single instructions in asthma and COPD patients** Esther I. Metting (Groningen, Netherlands), Jildou Kracht, Richard Dekhuijzen
OA4286	**Learning from litigation in respiratory medicine** Nicola Read (London, United Kingdom), Martin Allen
OA4287	**Analysis of intubate / do not intubate orders in COVID-19 patients.** Markus Hofer (Zürich, Switzerland), Luzia Reutemann, Vineeta Bansal, Renate Grathwohl Shaker, Julia Wallner, Reinhard Imoberdorf
OA4288	**Do not attempt resuscitation (DNAR) orders in patients admitted to hospital with COVID-19** Kristian Brooks (North Shields (Tyne and Wear), United Kingdom), Stephen Murphy, Fatima Khalil
OA4289	**Living with a tracheostomy in MND: A qualitative review of patient and carer perspective** Julian Ting (Leeds (West Yorkshire), United Kingdom), Rebecca Young, Syme Bhopal, Guy Gitlin-Leigh, Dipansu Ghosh
OA4290	**Late Breaking Abstract - Variable costs of sepsis in a Greek ICU** Athanasios Platanias (ATHENS, Greece), X. Mathas, T. Mariolis, I. Pavlopoulou, P. Myrianthefs
OA4291	**Discussion**

Studio Barcelona Session 477 10:10 - 10:25

Breakout room: Breakout room: Pro-Con debate, Fractionated exhaled nitric oxide for the diagnosis of asthma: friend or foe?

Chairs : Iñigo Ojanguren Arranz (Barcelona, Spain), Renaud Louis (Liège, Belgium), Merian Kuipers (Den Haag, Netherlands)

Studio Barcelona Session 478 10:20 - 11:00

Pro-Con debate: Lung metastasectomy: let’s pour some water on the fire

Aims : To identify the recent clinical advancement in lung metastasectomy; to learn how to differentiate lung metastases on the basis of staging; to present selection of patients who may benefit from surgical treatment; to present how to identify treatment options for lung metastases.

Disease(s) : Thoracic oncology

Method(s) : Surgery

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Pathologist, Patient, Physician in Pulmonary Training, Radiologist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Journalist

Chairs : Omar S. Usmani (London, United Kingdom), Mina Gaga (Athens, Greece)

10:20	**Introduction**	**4292**
10:22	**Lung metastasectomy should always be performed. The aim of new dedicated TNM staging for lung metastases** Marcello Migliore (Catania (CT), Italy)	**4293**
10:34	**An alternative to surgical metastasectomy** Carole Ridge (London, United Kingdom)	**4294**
10:46	**Discussion and Q&A**	**4295**

Studio Amsterdam Session 479 11:00 - 11:15

Breakout room: Breakout room: Symposium, Lung cancer and fibrotic interstitial lung diseases: a challenging association for pulmonologists

Chairs : Charles Wong (Hong Kong, Hong Kong), Manuela Funke-Chambour (Bern, Switzerland), Venerino Poletti (Forlì, Italy), Jacques Cadranel (Paris Cedex 20, France), Athol Wells (London, United Kingdom)

Studio Barcelona Session 480 11:00 - 11:15

Breakout room: Breakout room: Pro-Con debate, Lung metastasectomy: let’s pour some water on the fire

Chairs : Marcello Migliore (Catania (CT), Italy), Carole Ridge (London, United Kingdom), Merian Kuipers (Den Haag, Netherlands)

Studio London Session 481 11:00 - 11:15

Breakout room: Breakout room: Hot topics, Viral infections trigger chronic lung damage and disease

Chairs : Johnatas Silva (Belfast (Northern Ireland), United Kingdom), Donald Sin (Vancouver (BC), Canada), Sejal Saglani (London, United Kingdom), Silke Meiners (München, Germany), Chair to be confirmed

Studio Munich Session 482 11:00 - 11:15

Breakout room: Breakout room: Clinical trials session, 4-ALERT: bronchiectasis and COVID

Chairs : Hani Abo-Leyah (Perth (Perthshire), United Kingdom), Chair to be confirmed

Studio Paris Session 483 11:00 - 11:15

Breakout room: Breakout room: State of the art session, Paediatric respiratory diseases

Chairs : Dilber Ademhan Tural (Ankara, Turkey), Nadia Nathan (Paris, France), Patrick Meyer Sauteur (Zurich, Switzerland), Atul Gupta (London, United Kingdom), Bas Pullens (Rotterdam, Netherlands)

Channel 1 Session 484 11:15 - 12:30

Challenging clinical cases: CCC Pulmonary vascular diseases

Aims : To describe the history, pathology, analysis and treatment of complex clinical cases in pulmonary vascular diseases area. The session leaders will facilitate discussion among the case presenters and the audience in order to examine and discuss each case.

Disease(s) : Pulmonary vascular diseases

Tag(s) : Clinical

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

Chairs : Luke Howard (London, United Kingdom), Silvia Ulrich (Zurich, Switzerland)

11:15	**Introduction**	**4296**
11:20	**The case of hypoxaemic respiratory failure in a patient with mild COPD** Luca Nicola Cesare Bianchi (Rovato (Bs), Italy)	**4297**
11:30	**Double edge sword** Sameer Vaidya (Indore (Madhya Pardesh), India)	**4298**
11:40	**An unusual case of pleuritis** Federico Mei (Ancona (AN), Italy)	**4299**
11:50	**Polycythemia and infertility** Charlotte Cohen (Nice, France)	**4300**
12:00	**Keeping it in the family** Raja Muthusami (hereford, United Kingdom)	**4301**
12:10	**Discussion and Q&A**	**4302**

Channel 2 Session 485 11:15 - 12:45

Oral presentation: Emerging respiratory diseases: state-of-the-art studies of SARS-CoV-2 infection

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Airway diseases Respiratory critical care

Method(s) : Cell and molecular biology

Tag(s) : COVID

Chairs : Niki Ubags (Epalinges, Switzerland), Debby Bogaert (Edinburgh, United Kingdom)

OA4303	**Introduction**

OA4304	**TD-0903, an inhaled JAK inhibitor in development for COVID-19, blocks ARDS-relevant hyperinflammation and lung injury in primary human immune and airway epithelial cells** Reuben Sana (South San Francisco, United States of America), Emma Gordon, Aaron Navratil, Erik Sandvik, Jacky Woo, Rajeev Saggar, Ed Moran, Elad Kaufman
OA4305	**SARS-CoV-2 D614G-infected airway organoids reveal enhanced viral fitness in COPD bronchi** Louisa Lok Yung Chan (Singapore, Singapore), Louisa Lok Yung Chan, Danielle E Anderson, Adrian E Z Kang, Randy Foo, Akshamal M Gamage, Pei Yee Tiew, Mariko Siyue Koh, Ken Cheah Hooi Lee, Kristy Nichol, Prabuddha S Pathinayake, Tsin Wen Yeo, Brian G Oliver, Peter A B Wark, Lin-Fa Wang, Sanjay H Chotirmall
OA4306	**A novel short isoform of ACE2 is expressed in ciliated airway epithelium and is induced by interferon and rhinovirus infection but not SARS-COV-2; implications for COVID-19 interferon treatment** Claire L Jackson (Southampton (Hampshire), United Kingdom), Cornelia Blume, Cosma Mirella Spalluto, Christopher J Mc Cormick, Donna E Davies, Jane S Lucas, Vito Mennella, Gabrielle Wheway
OA4307	**The mucosal immunity of the respiratory tract in COVID-19 convalescent healthcare professionals** Nadezda Kryukova (Moscow, Russian Federation), Natalia Abramova, Ekaterina Khromova, Valeria Zakharova, Svetlana Skhodova, Irina Bisheva, Aleksandra Vinnitskaya, Mikhail Kostinov, Irina Baranova, Oxana Svitich, Alexander Chuchalin
OA4308	**Sex-Hormone Specific Responses to SARS-CoV2 in an iPSC-derived human model of Type 2 Alveolar Epithelial Cells** Irene Oglesby (Dublin 9, Ireland), Arlene Glasgow, Mari Ozaki, Catherine Greene, Killian Hurley
OA4309	**Single-cell RNA sequencing of blood antigen-presenting cells in severe Covid-19 reveals multi-process defects in antiviral immunity** Maha Zohra Ladjemi (Paris, France), Melissa Saichi, Sarantis Korniotis, Christophe Rousseau, Zakaria Ait-Hamou, Lucile Massenet, Elise Amblard, Floriane Noel, Yannick Marie, Delphine Bouteiller, Jasna Medvedovic, Frédéric Pène, Vassili Soumelis
OA4310	**Modulation of the innate and adaptive immune system during coronavirus infection.** Philipp Hohensinner (Vienna, Austria), Manuel Salzmann, Johann Wojta, Roberto Plasenzotti
OA4311	**LSC - 2021 - Use of differentiated primary human airway epithelial models to study SARS-CoV-2 infection biology and pathogenesis** Ying Wang (Leiden, Netherlands), Melissa Thaler (M.Thaler@lumc.nl / Leiden University Medical Center,Leiden), Dennis K. Ninaber (D.K.Ninaber@lumc.nl / Leiden University Medical Center,Leiden), Anne M. Van Der Does (A.van_der_Does@lumc.nl / Leiden University Medical Center,Leiden), Natacha S. Ogando (N.S.Lima_Leite_Ogando@lumc.nl / Leiden University Medical Center,Leiden), Hendrik Beckert (hendrik.beckert@rlk.uk-essen.de / University Medical Center Essen – Ruhrlandklinik,Essen), Christian Taube (christian.taube@rlk.uk-essen.de / University Medical Center Essen – Ruhrlandklinik,Essen), Clarisse Salgado Benvindo Da Silva (C.Salgado_Benvindo_da_Silva@lumc.nl / Leiden University Medical Center,Leiden), Peter J. Bredenbeek (p.j.bredenbeek@lumc.nl / Leiden University Medical Center,Leiden), Pieter S. Hiemstra (P.S.Hiemstra@lumc.nl / Leiden University Medical Center,Leiden), Martijn J. Van Hemert (M.J.van_Hemert@lumc.nl / Leiden University Medical Center,Leiden)
OA4312	**Alveolar type II cells harbouring SARS-CoV-2 show senescence with a proinflammatory phenotype** Koralia Paschalaki (London, United Kingdom), Konstantinos Evangelou, Dimitris Veroutis, Periklis Foukas, Christos Kittas, Athanasios Tzioufas, Laurence De Leval, Demetris Vassilakos, Peter Barnes, Vassilis Gorgoulis
OA4313	**Discussion**

Channel 3 Session 486 11:15 - 12:45

Oral presentation: New clinical and biological developments in lung cancer

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.
This session includes the Best Abstract for Assembly 11.01 - Lung cancer, entitled "Spirometry and under-diagnosis of COPD in a lung cancer screening cohort"

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

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

Chairs : Rudolf M. Huber (Munich, Germany), Georgia Hardavella (Athens, Greece)

OA4314	**Introduction**
OA4315	**Spirometry and under-diagnosis of COPD in a lung cancer screening cohort** Claire Bradley (letterkenny, Ireland), Martyn Kennedy, Alison Boland, Deborah Ellames, Doytchin Dimov, Rhian Gabe, Panos Alexandris, Philip A J Crosbie, Matthew E J Callister

OA4316	**Application of breathomics in early detection of lung cancer in indian population: a pilot study** Bijay Pattnaik (New Delhi, India), Rohit Vadala, Sunil Bangaru, Naveen Bhatraju, Jaya Tak, Divyanjali Rai, Seetu Kashyap, Umashankar Verma, Hariharan Iyer, Randeep Guleria, Anurag Agrawal, Anant Mohan
OA4317	**Validation of lung nodule detection a year before diagnosis in NLST dataset based on a deep learning system** Hervé Delingette (Sophia antipolis, France), Benoît Audelan, Stéphanie Lopez, Pierre Fillard, Yann Diascorn, Bernard Padovani
OA4318	**Clinical and molecular analysis of lung cancer associated with fibrosing and diffuse interstitial lung disease.** Valentin Heluain (Toulouse, France), Grégoire Prévot, Bastien Cabarrou, Olivier Calvayrac, Estelle Clermont, Alain Didier, Julie Milia, Julien Mazières
OA4319	**Instant on-site histological feedback on bronchoscopic biopsies using higher harmonic generation microscopy** Laura Van Huizen (Amsterdam, Netherlands), Johannes Daniels, Teodora Radonic, Jouke Annema, Marloes Groot
OA4320	**LSC - 2021 - cAMP response element-binding protein mediates immune-evasion of KRAS-mutant lun g adenocarcinoma** Georgia A. Giotopoulou (Munich, Germany), Giannoula Ntaliarda (ntaliarda@upatras.gr / Department of Physiology, Faculty of Medicine, University of Patras, ,Patras) , Antonia ?arazioti (amarazioti@upatras.gr / Department of Physiology, Faculty of Medicine, University of Patras, ,Patras) , Ioannis Lilis (ioannislilis@upatras.gr / Department of Physiology, Faculty of Medicine, University of Patras, ,Patras) , Nikolitsa Spiropoulou (nispiropoulou@gmail.com / Department of Physiology, Faculty of Medicine, University of Patras, ,Patras) , Foteini Kalogianni (kalogianni@upatras.gr / Department of Physiology, Faculty of Medicine, University of Patras, ,Patras) , Evanthia Tourkochristou (bio3557@upnet.gr / Department of Physiology, Faculty of Medicine, University of Patras, ,Patras) , Ioanna Giopanou (giopanou@upatras.gr / Department of Physiology, Faculty of Medicine, University of Patras, ,Patras) , Magda Spella (magsp@upatras.gr / Department of Physiology, Faculty of Medicine, University of Patras, ,Patras) , Marianthi Iliopoulou (marianthi0707@hotmail.com / Department of Physiology, Faculty of Medicine, University of Patras, ,Patras) , Aigli Korfiati (a.korfiati@insybio.com / InSyBio Ltd; Winchester, Hampshire , SO23 8SR; United Kingdom,London), Konstantinos Theofilatos (k.theofilatos@insybio.co.uk / InSyBio Ltd; Winchester, Hampshire , SO23 8SR; United Kingdom,London), Seferina Mavroudi (s.mavroudi@insybio.co.uk / InSyBio Ltd; Winchester, Hampshire , SO23 8SR; United Kingdom,London), Theofilos Mantamadiotis (theo.mantamadiotis@unimelb.edu.au / Cancer Signaling Laboratory, Department of Pathology; University of Melbourne,Melbourne), Torsten Goldmann (tgoldmann@fz-borstel.de / Clinical and Experimental Pathology, Research Center Borstel; Airway Research Center North (ARCN); Borstel,Borstel), Sebastian Marwitz (smarwitz@fz-borstel.de / Clinical and Experimental Pathology, Research Center Borstel; Airway Research Center North (ARCN); Borstel,Borstel), Georgios T. Stathopoulos (stathopoulos@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz Center Munich,Munich)
OA4321	**LSC - 2021 - Mutational RNA signatures in environmentally-induced lung adenocarcinoma** Georgia A. Giotopoulou (Munich, Germany), Sabine J. Behrend (sabine.behrend@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz Center ,Munich), Giannoula Ntaliarda (ntaliarda@upatras.gr / Department of Physiology, Faculty of Medicine, University of Patras,Patras), Anne-Sophie Lamort (anne-sophie.lamort@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz Center ,Munich), Mario A.A. Pepe (mario.pepe1985@libero.it / Comprehensive Pneumology Center, Helmholtz Center ,Munich), Ioannis Lilis (ioannislilis@upatras.gr / Department of Physiology, Faculty of Medicine, University of Patras,Patras), Magda Spella (magsp@upatras.gr / Department of Physiology, Faculty of Medicine, University of Patras,Patras), Georgios T. Stathopoulos (stathopoulos@helmholtz-muenchen.de / Comprehensive Pneumology Center, Helmholtz Center ,Munich)
OA4322	**The predictive value of circulating tumor DNA dynamics in plasma of EGFR-mutation-positive NSCLC patients on first line tyrosine kinase inhibitors** Adam Szpechciński (Warszawa, Poland), Maciej Bryl, Grzegorz Czyzewicz, Emil Wojda, Daria Swiniuch, Marek Szwiec, Rodryg Ramlau, Pawel Sliwinski, Aleksander Barinow-Wojewodzki, Joanna Chorostowska-Wynimko
OA4323	**Identification of predictive biomarkers of immunotherapy response in non-small cell lung cancer by multiparametric analysis** Javier Ramos Paradas (Madrid, Spain), David Gomez-Sanchez, Aranzazu Rosado, Irene Ferrer, Nuria Carrizo, Ana B Enguita, Maria T Muñoz, Luis Paz-Ares, Eva M Garrido-Martin
OA4324	**Late Breaking Abstract - Randomized phase III study of erlotinib compared to intercalated erlotinib with cisplatin and pemetrexed as first-line therapy for advanced EGFR mutated non-small cell lung cancer, the NVALT 17 study.** Rolof G.P. Gijtenbeek (Leeuwarden, Netherlands), V. Van Noort, J.G.J.V. Aerts, J.A. Staal - Van Den Brekel, E.F. Smit, F.H. Krouwels, F.A. Wilschut, T.J.N. Hilterman, W. Timens, E. Schuuring, J.D.J. Janssen, M. Goosens, P.M. Van De Berg, A.J. De Langen, J.A. Stigt, B.E.E.M Van Den Borne, H.J.M. Groen, W.H. Van Geffen, A.J. Van Der Wekken
OA4325	**Discussion**

Channel 4 Session 487 11:15 - 12:45

Oral presentation: Genetics and translational aspects of idiopathic pulmonary fibrosis

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.

Disease(s) : Interstitial lung diseases

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

Chairs : Manuela Funke-Chambour (Bern, Switzerland), Chair to be confirmed

OA4326	**Introduction**
OA4327	**A novel prognostic signature based on five-immune-related genes for idiopathic pulmonary fibrosis** Lingxiao Qiu (Zhengzhou, China), Gen-Cheng Gong, Guojun Zhang
OA4328	**Clinical course of suspected familial versus sporadic IPFData from the PROOF-Next IPF registry** Antoine Froidure (Bruxelles, Belgium), Benjamin Bondue, Caroline Dahlqvist, Julien Guiot, Natacha Gusbin, Gil Wirtz, Guy Joos, Danielle Strens, Hans Slabbynck, Wim Wuyts
OA4329	**Genetics variants in familial interstitial pneumonia and progressive fibrosing interstitial lung disease (PF-ILD)** Deborah Dos Reis Estrella (Belo Horizonte (MG), Brazil), Flávia Sacilotto Donaires, André Luiz Pinto Santos, Eliane Viana Mancuzo, Rodrigo Tocantins Calado, Ricardo De Amorim Corrêa
OA4330	**Pulmonary fibrosis in non-mutation carriers of families with short telomere syndrome gene mutations.** Joanne van der Vis (Nieuwegein, Netherlands), Jasper Van Der Smagt, Aernoud Van Batenburg, Wouter Van Es, Jan Grutters, Coline Van Moorsel
OA4331	**Bioinformatics analysis of differentially expressed genes and pathways in idiopathic pulmonary fibrosis** Nana Li (Zhengzhou, China), Lingxiao Qiu, Cheng Zeng, Guojun Zhang
OA4332	**Impaired lung NK activity in the lung of Idiopathic Pulmonary Fibrosis patients** Tamara Cruz (Barcelona, Spain), Anna Bondonese, John Sembrat, Tracy Tabib, Wenping Zhang, Nilay Mitash, Dario Vignali, Ana L. Mora, Robert Lafyatis, Mauricio Rojas
OA4333	**Released mediators in ex vivo 3D-model of lung fibrosis correspond to elevated serum biomarkers in IPF** Dimitrios Kalafatis (Stockholm, Sweden), Anna Löfdahl, Per Näsman, Linda Elowsson Rendin, Gunilla Westergren-Thorsson, Magnus Sköld
OA4334	**Biosynthesis and implementation of Thyroid Receptor beta (TRß) agonists (thyromimetics) for the treatment of pulmonary fibrosis** Argyris Tzouvelekis (Athens, Greece), Alexios Matralis, Theodoros Karampitsakos, Ourania Papaioannou, Matthaios Katsaras, Fotios Sampsonas, Demosthenes Bouros, Vassilis Aidinis
OA4335	**LSC - 2021 - The Anti-Fibrotic Drug Nintedanib Promotes Repair Macrophages** Carolin K. Koss (Stuttgart, Germany), Katrin Fundel-Clemens (katrin.fundel-clemens@boehringer-ingelheim.com / Boehringer Ingelheim Pharma GmbH & Co. KG,Biberach), Daniela Schlösser (daniela.schloesser@boehringer-ingelheim.com / Boehringer Ingelheim Pharma GmbH & Co. KG,Biberach), Carmen Lerner (carmen.lerner@boehringer-ingelheim.com / Boehringer Ingelheim Pharma GmbH & Co. KG,Biberach), Silvia Frey (silvia.frey@boehringer-ingelheim.com / Boehringer Ingelheim Pharma GmbH & Co. KG,Biberach), Christian T. Wohnhaas (christian_thaddaeus.wohnhaas@boehringer-ingelheim.com / Boehringer Ingelheim Pharma GmbH & Co. KG,Biberach), Coralie Viollet (coralie.viollet@boehringer-ingelheim.com / Boehringer Ingelheim Pharma GmbH & Co. KG,Biberach), Stefanie Dichtl (sdichtl@biochem.mpg.de / Max Planck Institute of Biochemistry,Martinsried), Cornelia Tilp (cornelia.tilp@boehringer-ingelheim.com / Boehringer Ingelheim Pharma GmbH & Co. KG,Biberach), Matthew J. Thomas (matthew_james.thomas@boehringer-ingelheim.com / Boehringer Ingelheim Pharma GmbH & Co. KG,Biberach), Florian Gantner (florian.gantner@boehringer-ingelheim.com / Boehringer Ingelheim Pharma GmbH & Co. KG,Biberach), Wioletta Skronska-Wasek (wioletta.skronska-wasek@boehringer-ingelheim.com / Boehringer Ingelheim Pharma GmbH & Co. KG,Biberach), Heinrich J. Huber (heinrich_2.huber@boehringer-ingelheim.com / Boehringer Ingelheim Pharma GmbH & Co. KG,Biberach), Peter J. Murray (murray@biochem.mpg.de / Max Planck Institute of Biochemistry,Martinsried), Fidel Ramirez (fidel.ramirez@boehringer-ingelheim.com / Boehringer Ingelheim Pharma GmbH & Co. KG,Biberach), Karim C. El Kasmi (karim_christian.el_kasmi@boehringer-ingelheim.com / Boehringer Ingelheim Pharma GmbH & Co. KG,Biberach)
OA4336	**Late Breaking Abstract - Prevalence of interstitial lung abnormalities in a Swedish population-based sample** Ida Pesonen (Stockholm, Sweden), Åse Johnsson, Fredrik Johansson, Per Wollmer , Eva Lindberg, Anders Blomberg, Kjell Torén, Carl Johan Östgren, Magnus Sköld
OA4337	**Discussion**

Channel 5 Session 488 11:15 - 12:45

Oral presentation: Thoracic ultrasound: future applications and current evidence

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.
This session includes the Best Abstract for Assembly 14 - Clinical Techniques, Imaging and Endoscopy, entitled "Thoracic Ultrasound for guiding pleurodesis in malignant pleural effusion: a randomised trial"

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

Method(s) : Endoscopy and interventional pulmonology | Transplantation | Imaging | General respiratory patient care | Pulmonary function testing

Chairs : Michiel J. Thomeer (Tielt (BT), Belgium), Rahul Bhatnagar (Bristol, United Kingdom)

OA4338	**Introduction**
OA4339	**Thoracic Ultrasound for guiding pleurodesis in malignant pleural effusion: a randomised trial** Maged Hassan (Alexandria, Egypt), Ioannis Psallidas, Ahmed Yousuf, Tracy Duncan, Shahul Leyakathali Khan, Kevin Blyth, Matthew Evison, John Corcoran, Simon Barnes, Raja Reddy, Peter Bonta, Rahul Bhatnagar, Gayathri Kagithala, Melissa Dobson, Ruth Knight, Susan Dutton, Emma Hedley, Hamia Piotrowska, Loiuse Brown, Rachel Mercer, Rachelle Asciak, Eihab Bedawi, Rob Hallifax, Mark Slade, Rachel Benamore, Anthony Edey, Robert Miller, Nick Maskell, Najib Rahman
OA4340	**Lung ultrasound to phenotype chronic lung allograft dysfunction in lung transplant recipients. A prospective observational study.** Jesper Rømhild Davidsen (Odense C, Denmark), Christian B. Laursen, Mikkel Højlund, Thomas Kromann Lund, Klaus Nielsen Jeschke, Martin Iversen, Anna Kalhauge, Elisabeth Bendstrup, Jørn Carlsen, Michael Perch, Daniel Pilsgaard Henriksen, Hans Henrik Lawaetz Schultz
OA4341	**Quality of prehospital thoracic ultrasound performed by paramedics** Pia Iben Pietersen (Odense NØ, Denmark), Søren Mikkelsen, Annmarie Lassen, Simon Helmerik, Gitte Jørgensen, Giti Nadim, Helle Marie Christensen, Daniel Wittrock, Christian Laursen
OA4342	**Ultrasound predictors of lung re-expansion following pleural effusion drainage** Maged Hassan (Alexandria, Egypt), Basma El-Shaarawy, Mohamed Y Al-Qaradawi, Mohamed Gadallah, Mahmoud Reda
OA4343	**High diagnostic yield of ultrasound-guided percutaneous needle biopsy of peripheral lung and pleural lesions, lymph nodes, and other sites performed by respiratory physicians** Christopher Lim (Melbourne, Australia), Sameer Karnam, Louis Irving, Gary Hammerschlag, John Taverner
OA4344	**Diaphragm strength in COVID-19 patients and breathlessness** Carlijn Veldman (Zwolle, Netherlands), Wytze de Boer, Carlijn Veldman, Irene Steenbruggen, Kornelis Wiebe Patberg, Jan Willem Karel Van Den Berg
OA4345	**Lung ultrasound aeration score for prognostication in invasively ventilated COVID-19 patients: multicenter observational study.** Charalampos Pierrakos (Bruxelles, Belgium), Arthur Lieveld, Luigi Pisani, Marry R Smit, Micah Heldeweg, Laura A. Hagens, Jasper Smit, Mark Haaksma, Lars Veldhuis, Robin Walburgh Schmidt, Giacomo Errico, Valentina Marinelli, Rachid Attou, Cristina E David, Claudio Zimatore, Francesco Murgolo, Salvatore Grasso, Lucia Lucia Mirabella, Gilda Cinnella, David De Bels, Marcus J Schultz, Pieter-Roel Tuinman, Lieuwe D Bos
OA4346	**Assessing the diagnostic accuracy of ultrasound-guided percutaneous cutting-needle pleural biopsy - A systematic review and meta-analysis** Michael Pace Bardon (Swieqi, Malta), Nawaid Ahmad
OA4347	**Diagnostic accuracy of focused deep venous, lung, cardiac, and multiorgan ultrasound in suspected pulmonary embolism: a systematic review and meta-analysis** Casper Falster (Odense, Denmark), Niels Jacobsen, Karen Coman, Mikkel Højlund, Thomas Gaist, Stefan Posth, Jacob Møller, Mikkel Brabrand, Christian Laursen
OA4348	**Discussion**

Studio Amsterdam | Session 489 | 11:15 - 12:45

Symposium: Rare lung diseases 2021

A joint ERS and European Reference Network for rare lung diseases (ERN-LUNG) session

Aims : To describe aspects of rare diseases of the respiratory system that all members of respiratory care teams should be familiar with; to describe some of the new developments in the field of rare lung diseases in order to enable them help patients find expertise and the best clinical care; to explain how to cooperate across borders in order to achieve the best possible results for all patients everywhere; to present cross-border healthcare as an optimal way of providing diagnostic and therapeutic options to all patients with ultrarare diseases; to provide an update about recent developments in rare disease management; to present tools for managing patients with rare diseases and to list who to ask for expert advice about such patients.

Disease(s) : Airway diseases Interstitial lung diseases Paediatric respiratory diseases

Method(s) : General respiratory patient care Imaging Physiology

Tag(s) : Clinical

Target audience : Adult pulmonologist/Clinician, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Paediatrician, Patient, Physician in Pulmonary Training, Radiologist, Respiratory therapist, Journalist

Chairs : Torsten Gerriet Blum (Berlin, Germany), Marlies S. Wijsenbeek (Rotterdam, Netherlands)

11:15	**Introduction**	**4349**
11:20	**Progress made in ultra-rare lung diseases** Maria Molina-Molina (Barcelona, Spain)	**4350**
11:35	**Severe sarcoidosis: clinical features and management** Paolo Spagnolo (Padova (PD), Italy)	**4351**
11:50	**Rare lung diseases in children: challenges for diagnosis and treatment** Helge Hebestreit (Wuerzburg, Germany)	**4352**
12:05	**What we have learned about alpha-1-antitrypsin deficiency** Jan Stolk (Leiden, Netherlands)	**4353**
12:20	**Discussion and Q&A**	**4354**

Studio Barcelona Session 490 11:15 - 12:45

Hot topics: Linking scientific mechanisms to recent clinical therapeutic advances in airway disease: why, who, when and what?

Aims : To describe the role of novel therapies for airway diseases, namely, asthma, chronic obstructive pulmonary disease (COPD) and chronic cough; to describe the essential role of artificial intelligence, which will revolutionise how doctors follow and treat patients; to address common problems related to novel therapies and artificial intelligence in everyday practice in order to improve patient care.

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

Chairs : Omar S. Usmani (London, United Kingdom), Mina Gaga (Athens, Greece)

11:15	**Introduction**	**4355**
11:35	**Who should receive which biologic and why? Current and future approaches in severe asthma patients** Parameswaran Nair (Hamilton (ON), Canada)	**4357**
11:50	**Will we ever be successful? Managing T2-low asthma** Anneke Ten Brinke (Leeuwarden, Netherlands)	**4358**
12:05	**What is the scientific and clinical rationale? Triple therapy in COPD patients** Dave Singh (Manchester, United Kingdom)	**4359**
11:20	**Will we really achieve anti-ageing lung treatments? Abnormal lung ageing in COPD** Corry-Anke Brandsma (Groningen, Netherlands)	**4356**
12:20	**Discussion and Q&A**	**4360**

Studio London Session 491 11:15 - 12:45

Hot topics: Inhale the future: ambulatory sensing technologies, digital biomarkers and explainable insights

Aims : To describe the variety of remote approaches available to monitor COVID patients, including biological sampling; to review the validity (accuracy and precision) of remote data used for medical decision-making; to evaluate the optimal metrics for physical measurements such as saturation, lung function, temperature and pulse using wearable sensors and the potential to predict clinical decompensation; to assess the short- and long-term effects of this rapidly changing field with respect to routine care of patients with other diseases, including the use of machine learning and guidance.

Disease(s) : Interstitial lung diseases Respiratory infections

Method(s) : Physiology Pulmonary function testing Pulmonary rehabilitation

Tag(s) : Clinical, COVID, Digital health

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

Chairs : Thomas Geiser (Bern, Switzerland), Anh Tuan Dinh-Xuan (Paris, France)

11:15	**Introduction**	**4361**
11:20	**Telemedicine and virtual care in the era of COVID-19** Mara Paneroni (Mazzano (BS), Italy)	**4362**
11:35	**Data Quality Assessment in Wearable Technology** Carolina Varon (Leuven, Belgium)	**4363**
11:50	**Remote health monitoring with wearable sensors** Andrea Aliverti (Milan, Italy)	**4364**
12:05	**Opportunities and outstanding challenges for integration in clinical practice** Niels H. Chavannes (Leiden, Netherlands)	**4365**
12:20	**Discussion and Q&A**	**4366**

Studio Munich Session 492 11:15 - 12:45

Lungs on fire: LoF Respiratory infections?

Aims : To describe real-life clinical cases during the innovative interactive session, including the presentation of cases that have various levels of difficulty and often necessitate a differential diagnosis. This session will be led by a discussant, who will present the cases to a panel of experts and the audience. The discussant will encourage discussion among the panel of experts, who are encountering these cases for the first time. To further determine diagnostic and therapeutic options for these patients, the discussant will also invite audience participation in the reflexion and discussion of these cases.

Disease(s) : Respiratory infections

Tag(s) : Clinical

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

Chairs : Marc Miravitlles (Barcelona (CT), Spain), Miriam Barrecheguren Fernandez (Barcelona, Spain), Tobias Welte (Hannover, Germany)

Discussants : Pierre-Régis Burgel (Paris, France)

11:15	**Introduction**	**4371**
11:20	**Presentation of cases by the session facilitator** Pierre-Régis Burgel (Paris, France)	**4372**
	Case 1 - Author: Paula Fernandez Martinez, Spain	**4367**
	Case 2 - Author: Ruby Joseph K, India	**4368**
	Case 3 - Author: Serena Casanova, Italy	**4369**
	Case 4 - Author: Sophie Cottin, Belgium	**4370**
12:40	**Session wrap-up**	**4373**

Studio Paris Session 493 11:15 - 12:45

Grand round: Paediatric grand round

Aims : To present challenging cases of children with respiratory diseases, not specifically very rare diseases; to engage the audience in discussions about differential diagnosis, diagnostic tests and the best clinical care; to provide an update on selected topics in paediatric respiratory medicine.

Disease(s) : Paediatric respiratory diseases

Method(s) : General respiratory patient care

Tag(s) : Clinical

Target audience : Medical Student, Paediatrician, Clinical researcher, Nurse, Physician in Pulmonary Training

Chairs : Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Andrew Bush (London, United Kingdom)

11:15	**Introduction**	**4374**
11:20	**Spontaneous pneumoperitoneum: do I remove the chest drain?** George Lawson (London, United Kingdom)	**4375**
11:40	**A case of chylothorax at the age of 13 months** Heidi Schaballie (Belsele, Belgium)	**4376**
12:00	**Bilateral interstitial pneumonia in an 8-year-old boy: not only COVID-19!** Maria Elisa Di Cicco (Pisa (PI), Italy)	**4377**
12:20	**A 9-year-old boy with a swelling on the chest wall** Tamsin Thornton (Norwich, United Kingdom)	**4378**
12:40	**Session wrap-up**	**4379**

Channel 6 Session 494 11:15 - 12:45

Oral presentation: Different treatment modalities and impact of comorbidities on sleep disordered breathing

Aims : This session is built from abstracts published on the ERS Congress platform from 23 August, in a PowerPoint format with a pre-recorded audio narration. The live session is scheduled from September 5-7 and each presenter will have a 5-minutes live, slide show presentation followed at the end of the session by 30-minutes general discussion.
This session includes the Best Abstract for Assembly 4 - Sleep Disordered Breathing, entitled "Pitolisant long term effect in sleepy obstructive sleep apnea patients with CPAP"

Disease(s) : Sleep and breathing disorders

Method(s) : General respiratory patient care Physiology Pulmonary rehabilitation

Chairs : Marta Susana Monteiro Drummond Freitas (Maia, Portugal), Dries Testelmans (Leuven, Belgium)

OA4380	**Introduction**
OA4381	**Pitolisant long term effect in sleepy obstructive sleep apnea patients with CPAP.** Jean-Louis Pépin (Grenoble, France), Ognian Georgiev, Rumen Tiholov, Valérie Attali, Johan Verbraecken, Bertien Buyse, Markku Partinen, Ingo Fietze, Georgi Belev, Dejan Dokic, Renaud Tamisier, Patrick Lévy, CHRISTIAN CAUSSE, Isabelle Lecomte, Jeanne-Marie Lecomte, Jean-Charles Schwartz, Yves Dauvilliers
OA4382	**Acetazolamide effect on nocturnal oxygenation, breathing and sleep in healthy individuals older than 40 years. RCT.** Laura Graf (Zürich, Switzerland), Michael Furian, Bitos Konstantinos, Maamed Mademilov, Ainura Abdraeva, Jana Buenzli, Shoira Aydaralieva, Ulan Sheraliev, Nuriddin H Marazhapov, Talant M Sooronbaev, Silvia Ulrich, Konrad E Bloch
OA4383	**Safety and efficacy of sulthiame in moderate to severe obstructive sleep apnea: a randomized placebo-controlled parallel-group trial** Jan A. Hedner (Göteborg, Sweden), Kaj Stenlof, Zou Ding, Erik Hoff, Corinna Hansen, Katrin Kuhn, Peter Lennartz, Ludger Grote
OA4384	**Moderate obstructive sleep apnea and cardiovascular outcomes in elder patients: a propensity score matched, multicentric study (CPAGE-MODE study)** Jose Rafael Teran Tinedo (Madrid, Spain), Irene Cano Pumarega, Trinidad Díaz Cambriles, Aldara García Sánchez, Teresa Gómez García, Pedro Landete Rodríguez, Vanesa Lores Gutiérrez, Eva Mañas Baena, María Fernanda Troncoso Acevedo, Enrique Zamora García, Daniel López-Padilla
OA4385	**The effect of obstructive sleep apnoea on the retinal vascular reactivity: a randomised trial** Christopher Turnbull (Oxford (Oxfordshire), United Kingdom), Rebekka Heitmar, John Stradling
OA4386	**Cheyne-Stokes respiration tracked by CPAP telemonitoring can detect serious cardiac events** Arnaud Prigent (Rennes, France), Claude Pellen, Joelle Texereau, Sebastien Bailly, Nicolas Coquerel, Renaud Gervais, Jean Marc Liegaux, Regis Luraine, Jean Christophe Renaud , Serandour Anne Laure, Jean Louis Pépin

OA4387	**Rates of CPAP therapy termination in different obstructive sleep apnoea patient phenotypes: analysis of the French nationwide health claims database** Jean-Louis Pépin (Grenoble, France), Sebastien Bailly, Pierre Rinder, Dan Adler, Daniel Szeftel, Atul Malhotra, Peter Cistulli, Adam Benjafield, Florent Lavergne, Anne Josseran, Renaud Tamisier, Pierre Hornus
OA4388	**Natural course of untreated obstructive sleep apnoea in patients with coronary artery disease in the RICCADSA trial** Yuksel Peker (Istanbul, Turkey), Mustafa Saygin, Erik Thunström, Patrick J Strollo Jr
OA4389	**Prolonged symptoms and sleep quality after hospitalization for covid-19 in patients with obstructive sleep apnoea** Iana Andreieva (Zaporizhia, Ukraine)
OA4390	**Late Breaking Abstract - CPAP termination and all-cause mortality: a French nationwide database analysis** Jean-Louis Pépin (Grenoble, France), Sebastien Bailly, Florent Lavergne, Pierre Rinder, Dan Adler, Adam Benjafield, Anne Josseran, Paul Sinel-Boucher, Renaud Tamisier, Peter Cistulli, Atul Malhotra, Pierre Hornus
OA4391	**Discussion**

Studio Amsterdam Session 495 12:45 - 13:00

Breakout room: Breakout room: Symposium, Rare lung diseases 2021

Chairs : Charles Wong (Hong Kong, Hong Kong), Maria Molina-Molina (Barcelona, Spain), Paolo Spagnolo (Padova (PD), Italy), Helge Hebestreit (Wuerzburg, Germany), Jan Stolk (Leiden, Netherlands)

Studio Barcelona Session 496 12:45 - 13:00

Breakout room: Breakout room: Hot topics, Linking scientific mechanisms to recent clinical therapeutic advances in airway disease: why, who, when and what?

Chairs : Parameswaran Nair (Hamilton (ON), Canada), Anneke Ten Brinke (Leeuwarden, Netherlands), Dave Singh (Manchester, United Kingdom), Corry-Anke Brandsma (Groningen, Netherlands), Merian Kuipers (Den Haag, Netherlands)

Studio London Session 497 12:45 - 13:00

Breakout room: Breakout room: Hot topics, Inhale the future: ambulatory sensing technologies, digital biomarkers and explainable insights

Chairs : Johnatas Silva (Belfast (Northern Ireland), United Kingdom), Mara Paneroni (Mazzano (BS), Italy), Carolina Varon (Leuven, Belgium), Andrea Aliverti (Milan, Italy), Niels H. Chavannes (Leiden, Netherlands)

Studio Munich Session 498 12:45 - 13:00

Breakout room: Breakout room: Lungs on fire, LoF Respiratory infections?

Chairs : Hani Abo-Leyah (Perth (Perthshire), United Kingdom), Pierre-Régis Burgel (Paris, France)

Studio Paris Session 499 12:45 - 13:00

Breakout room: Breakout room: Grand round, Paediatric grand round

Chairs : Dilber Ademhan Tural (Ankara, Turkey), George Lawson (London, United Kingdom), Heidi Schaballie (Belsele, Belgium), Maria Elisa Di Cicco (Pisa (PI), Italy), Tamsin Thornton (Norwich, United Kingdom)

No Room | Session 501 | 11:00 - 13:00

Assembly members' meeting: ONLINE ERS General Assembly

INDUSTRY SPONSORED SESSIONS

Channel 1. Session 38 07:45 - 09:15

Industry Virtual Symposium: Treatable Traits in Action – Patients, Decisions and Data

Organised by GlaxoSmithKline

Chairs : Peter Gibson (Newcastle, Australia), Neil C. Barnes (London, United Kingdom)

07:45	**Welcome and introduction** Neil C. Barnes (London, United Kingdom)	**45**
07:52	**Confronting difficult-to-treat asthma: The case of a 38-year-old lady with allergies** Runa Ali (London, United Kingdom)	**46**
08:02	**Optimising symptomatic COPD: The case of a 69-year-old ex-smoker with symptoms and exacerbations** Alberto Papi (Ferrara, Italy)	**47**
08:19	**Breaking it down: The case of a 67-year-old ex-smoker with COPD, atopy and angina** Mona Bafadhel (Oxford (Oxfordshire), United Kingdom)	**48**
08:35	**Treatable Traits approach in primary care: The case of a patient with mild asthma but poor control** Mike Thomas (Southampton (Hampshire), United Kingdom)	**49**
08:49	**Summary and conclusion** Neil C. Barnes (London, United Kingdom)	**50**
08:50	**Q&A session** Neil C. Barnes (London, United Kingdom)	**51**

Channel 2. Session 39 08:15 - 09:15

Industry Virtual Symposium: Innovations in MAC-PD: beyond oral triple therapy

Organised by Insmed

Chairs : Michael Loebinger (London, United Kingdom)

08:15	**Symposium overview and introduction** Michael Loebinger (London, United Kingdom)	**52**
08:20	**What do the 2020 NTM-PD guidelines mean for clinical practice when treating MAC-PD?** Christoph Lange (Borstel, Germany)	**53**
08:35	**Managing your MAC-PD patient - negotiating the key decision points** Natalie Lorent (Leuven, Belgium)	**54**
08:50	**Antibiotic therapy for MAC-PD: managing common side-effects** Stefano Aliberti (Milano (MI), Italy)	**55**
09:05	**Q&A** Michael Loebinger (London, United Kingdom), Christoph Lange (Borstel, Germany), Natalie Lorent (Leuven, Belgium), Stefano Aliberti (Milano (MI), Italy)	**56**
09:10	**Summary and Close** Michael Loebinger (London, United Kingdom)	**57**

Channel 2. Session 78 13:00 - 14:30

Industry Virtual Symposium: Latest asthma guidelines: challenges for policy and practice

Organised by AstraZeneca

Chairs : Eric D. Bateman (Cape Town, South Africa)

13:00	**Chair's welcome** Eric D. Bateman (Cape Town, South Africa)	**263**
13:10	**Anti-inflammatory reliever algorithm: implementing changes in clinical practice** Richard Beasley (Wellington, New Zealand)	**264**
13:25	**SABINA: the asthma reliever 'pandemic'** Jennifer Quint (Wimbledon, United Kingdom)	**265**

13:40	**The SABA situation: changing the status quo** Andrew Mcivor (Oakville (ON), Canada)	**266**
13:55	**The patient perspective: why we need to change now** Tonya Winders (Hendersonville, United States of America)	**267**
14:10	**Audience Q&A** Eric D. Bateman (Cape Town, South Africa), Jennifer Quint (Wimbledon, United Kingdom), Andrew Mcivor (Oakville (ON), Canada), Tonya Winders (Hendersonville, United States of America)	**268**

Channel 4. Session 80 13:00 - 14:30

Industry Virtual Symposium: MDT in fibrosing ILDs: who and when?

Organised by Boehringer Ingelheim International GmbH

Chairs : Vincent Cottin (Lyon, France), Fernando J. Martinez (New York, United States of America)

13:00	**Welcome and introduction** Vincent Cottin (Lyon, France), Fernando J. Martinez (New York, United States of America)	**275**
13:05	**MDT in diagnosis: panel discussion** Vincent Cottin (Lyon, France), Fernando J. Martinez (New York, United States of America), Vanessa Smith (Ghent, Belgium), Simon Walsh (London, United Kingdom)	**276**
13:20	**MDT in monitoring: panel discussion** Vincent Cottin (Lyon, France), Fernando J. Martinez (New York, United States of America), Vanessa Smith (Ghent, Belgium), Simon Walsh (London, United Kingdom)	**277**
13:35	**MDT in management: panel discussion** Vincent Cottin (Lyon, France), Fernando J. Martinez (New York, United States of America), Vanessa Smith (Ghent, Belgium), Simon Walsh (London, United Kingdom)	**278**
13:50	**Live Q&A** Vincent Cottin (Lyon, France), Fernando J. Martinez (New York, United States of America), Vanessa Smith (Ghent, Belgium), Simon Walsh (London, United Kingdom)	**279**

Channel 5. Session 81 13:00 - 14:15

Industry Virtual Symposium: Connecting Type 2 Inflammation to Clinical Management of Pediatric Severe Asthma

Organised by Sanofi Genzyme and Regeneron

13:00	**Clinical Perspectives on the Burden of Pediatric Severe Asthma** Eckard Hamelmann (Bielefeld, Germany)	**280**
13:20	**Type 2 Inflammation Underpins Phenotypes of Pediatric Severe Asthma** Nikolaos Papadopoulos (Manchester, United Kingdom)	**281**
13:40	**Management Considerations for Biologic Use in Pediatric Severe Asthma Patients** Giorgio Piacentini (Verona (VR), Italy)	**282**
14:00	**Question and Answer** Giorgio Piacentini (Verona (VR), Italy), Eckard Hamelmann (Bielefeld, Germany)	**283**

Channel 6. Session 82 13:00 - 14:00

Industry Virtual Symposium: Omalizumab in focus: experts, evidence and experience

Organised by Novartis Pharma AG

Chairs : Nikolaos Papadopoulos (Manchester, United Kingdom)

13:00	**Welcome and Introduction** Nikolaos Papadopoulos (Manchester, United Kingdom)	**284**

Clinically relevant questions to include:

An update on long-COVID disease and the use of biologics?
What impact does omalizumab have on asthma control in severe allergic asthma?
What is the optimal duration of omalizumab treatment in severe allergic asthma?
Can omalizumab be used during pregnancy and breastfeeding?
Why is it important to assess allergy in severe asthma and nasal polyposis?
Skin prick test or allergen-specific IgE – which one should be used?
What are the practical considerations when recommending home use of biologics?

13:05	Valerie J. Lund (, United Kingdom), Enrico Marco Heffler (Milano, Italy), Stephanie Korn (Mainz, Germany)	**285**
13:40	**Summary and close** Nikolaos Papadopoulos (Manchester, United Kingdom)	**286**

Skills Lab. Session 142 15:30 - 16:15

Industry Skills Lab Workshop: Pediatric Noninvasive Ventilation: Modes and Settings

Organised by Philips

15:30	**Modes and settings specific to the pediatric patient** Uros Krivec (Ljubljana, Slovenia)	**1268**
16:00	**Trilogy Evo demonstration of the modes for pediatric ventilation** Ivana Sundov (Zapresic, Croatia)	**1269**
16:06		**1270**
16:24		**1271**

Skills Lab. Session 153 16:30 - 17:15

Industry Skills Lab Workshop: Flexible cryo applications: state of the art and future perspectives

Organised by Erbe Elektromedizin GmbH

Chairs : Niklas Froemmel, Jürgen Hetzel (Tuebingen, Germany), Felix J.F. Herth (Heidelberg, Germany)

16:30	**Introduction** Niklas Dr. med. Froemmel	**1329**
16:35	**Flexible cryo applications: State of the art** Jürgen Hetzel (Tuebingen, Germany)	**1330**
16:50	**Flexible cryo applications: Future perspectives** Felix J.F. Herth (Heidelberg, Germany)	**1331**
17:05	**Discussion and Q&A** Jürgen Hetzel (Tuebingen, Germany), Felix J.F. Herth (Heidelberg, Germany), Niklas Dr. med. Froemmel	**1332**

Skills Lab. Session 160 17:30 - 18:15

Industry Skills Lab Workshop: PENTAX Medical ONE Pulmo: The single-use bronchoscope enhancing pulmonary care

Organised by PENTAX Europe GmbH

Chairs : Erik H.F.M. van der Heijden (Nijmegen, Netherlands)

17:30	**Introduction of PENTAX Medical ONE Pulmo, the single-use bronchoscope** SATSUKI AMANO (TOKYO, Japan)	
17:40	**Role of single-use bronchoscopes in respiratory care** Erik H.F.M. van der Heijden (Nijmegen, Netherlands)	
17:50	**Clinical case 1: Single-use bronchoscopy** Erik H.F.M. van der Heijden (Nijmegen, Netherlands)	
17:55	**Clinical case 2: Single-use navigation bronchoscopy** Erik H.F.M. van der Heijden (Nijmegen, Netherlands)	
18:05	**Q&A session** SATSUKI AMANO (TOKYO, Japan)	

Channel 1. Session 167 18:15 - 19:45

Industry Virtual Symposium: COPD: Same problem, different recommendations across guidelines – What do I do?

Organised by GlaxoSmithKline

Chairs : Neil C. Barnes (London, United Kingdom)

18:15	**Introduction** Neil C. Barnes (London, United Kingdom)	**1386**
18:18	**Who should start with dual- versus mono- bronchodilator therapy?** Claus Vogelmeier (Marburg, Germany)	**1387**
18:31	**Which patients should receive ICS-containing therapy?** Jean Bourbeau (Montréal (QC), Canada)	**1388**
18:47	**What is the rationale to stop or continue ICS-containing therapy?** Dave Singh (Manchester, United Kingdom)	**1389**
19:05	**COPD in the frail patient: Factors affecting inhaler performance** Neil C. Barnes (London, United Kingdom), Raj Sharma (London, United Kingdom)	**1390**
19:21	**Summary** Neil C. Barnes (London, United Kingdom)	**1391**
19:24	**Q&A** Neil C. Barnes (London, United Kingdom)	**1392**

Channel 2. Session 168 18:15 - 19:45

Industry Virtual Symposium: Uncovering eosinophilic immune dysfunction in airways diseases

Organised by AstraZeneca

Chairs : James D. Chalmers (Dundee (Angus), United Kingdom), Sameer Mathur (Wisconsin, United States of America)

18:15	**Welcome and introduction** Sameer Mathur (Wisconsin, United States of America), James D. Chalmers (Dundee (Angus), United Kingdom)	**1393**
18:20	**Introduction to the role of eosinophils in respiratory diseases and common eosinophilic airways conditions** Sameer Mathur (Wisconsin, United States of America)	**1394**
18:40	**Uncovering the eosinophilic phenotype in bronchiectasis** James D. Chalmers (Dundee (Angus), United Kingdom)	**1395**
19:00	**Examination of the eosinophil predominant multisystem disorder – hypereosinophilic syndrome** Matthieu Groh (Suresnes, France)	**1396**
19:20	**Q&A session and meeting close** Sameer Mathur (Wisconsin, United States of America), James D. Chalmers (Dundee (Angus), United Kingdom), Matthieu Groh (Suresnes, France)	**1397**

Channel 3. Session 169 18:15 - 19:45

Industry Virtual Symposium: Preventing mortality and protecting patients with COPD: a multi-disciplinary perspective

Organised by AstraZeneca

Chairs : Bartolome R. Celli Croquer (Boston, United States of America), Mona Bafadhel (Oxford (Oxfordshire), United Kingdom)

18:15	**Welcome, introduction, and opening remarks** Mona Bafadhel (Oxford (Oxfordshire), United Kingdom)	**1398**
18:20	**Protecting patients: early intervention as a new paradigm in the COPD treatment landscape** David Price (Singapore, Singapore), David Berg (Boston, United States of America)	**1399**

18:40	**Panel discussion | Protecting patients: early intervention as a new paradigm in the COPD treatment landscape** Mona Bafadhel (Oxford (Oxfordshire), United Kingdom), Bartolome R. Celli Croquer (Boston, United States of America), David Price (Singapore, Singapore), David Berg (Boston, United States of America)	**1400**
18:55	**Preventing disease progression and reducing mortality risk: tools to challenge current clinical practice in COPD** Bartolome R. Celli Croquer (Boston, United States of America)	**1401**
19:05	**Panel discussion | Preventing disease progression and reducing mortality risk: tools to challenge current clinical practice in COPD** Mona Bafadhel (Oxford (Oxfordshire), United Kingdom), Bartolome R. Celli Croquer (Boston, United States of America), David Price (Singapore, Singapore), David Berg (Boston, United States of America)	**1402**
19:20	**Audience Q&A and concluding remarks** Mona Bafadhel (Oxford (Oxfordshire), United Kingdom), Bartolome R. Celli Croquer (Boston, United States of America), David Price (Singapore, Singapore), David Berg (Boston, United States of America)	**1403**

Channel 4. Session 170 18:15 - 19:45

Industry Virtual Symposium: Helping patients with COPD live their best lives: Outcomes and evidence

Organised by Boehringer Ingelheim International GmbH

Chairs : Sarah Jarvis (London, United Kingdom)

18:15	**Welcome and introduction** Sarah Jarvis (London, United Kingdom)	**1404**
18:20	**Evidence-based decisions: Discussion of dyspnoea and risk management in COPD** Sarah Jarvis (London, United Kingdom), MeiLan K. Han (Ann Arbor, United States of America), John R Hurst (London, United Kingdom)	**1405**
19:25	**Live Q&A and closing comments** Sarah Jarvis (London, United Kingdom), MeiLan K. Han (Ann Arbor, United States of America), John R Hurst (London, United Kingdom)	**1406**

Channel 5. Session 171 18:15 - 19:45

Industry Virtual Symposium: Dupilumab Long-Term Impact on Patient Outcomes in Severe Asthma

Organised by Sanofi Genzyme and Regeneron

18:15	**Opening Remarks** Klaus F. Rabe (Kiel, Germany), Jonathan Corren (Los Angeles, United States of America), Arnaud Bourdin (Montpellier Cedex 5, France)	**1407**
18:20	**Emerging Evidence from TRAVERSE: Long-term Safety and Efficacy of Dupilumab in Uncontrolled, Severe Type 2 Asthma** Klaus F. Rabe (Kiel, Germany), Arnaud Bourdin (Montpellier Cedex 5, France)	**1408**
18:40	**Panel Discussion: Impressions and Implications for Patient Management** Klaus F. Rabe (Kiel, Germany), Jonathan Corren (Los Angeles, United States of America), Arnaud Bourdin (Montpellier Cedex 5, France)	**1409**
18:55	**Audience Q&A** Klaus F. Rabe (Kiel, Germany), Jonathan Corren (Los Angeles, United States of America), Arnaud Bourdin (Montpellier Cedex 5, France)	**1410**
19:10	**Dupilumab Experience in Practice: Gaining and Sustaining Improvement in Patient Outcomes and HRQoL** Jonathan Corren (Los Angeles, United States of America), Arnaud Bourdin (Montpellier Cedex 5, France)	**1411**
19:25	**Audience Q&A** Klaus F. Rabe (Kiel, Germany), Jonathan Corren (Los Angeles, United States of America), Arnaud Bourdin (Montpellier Cedex 5, France)	**1412**

19:40	**Closing Remarks** Klaus F. Rabe (Kiel, Germany), Jonathan Corren (Los Angeles, United States of America), Arnaud Bourdin (Montpellier Cedex 5, France)	**1413**

Channel 6. Session 172 18:15 - 19:45

Industry Virtual Symposium: Connect, confirm, combine in pulmonary arterial hypertension

Organised by Janssen Pharmaceutica NV

Chairs : Sean Gaine (Dublin, Ireland), Marion Delcroix (Leuven, Belgium)

18:15	**Welcome and objectives** Sean Gaine (Dublin, Ireland)	**1414**
18:23	**Connecting and collaborating with expert centres** Pilar Escribano-Subias (Madrid, Spain)	**1415**
18:35	**Confirming the diagnosis** Harm Jan Bogaard (Amsterdam, Netherlands)	**1416**
18:55	**Combining therapies: Having a “PAH plan”** Luke Howard (London, United Kingdom)	**1417**
19:15	**Panel discussion with audience Q&A** Sean Gaine (Dublin, Ireland), Pilar Escribano-Subias (Madrid, Spain), Harm Jan Bogaard (Amsterdam, Netherlands), Luke Howard (London, United Kingdom), Marion Delcroix (Leuven, Belgium)	**1418**
19:40	**Key messages and closing remarks** Marion Delcroix (Leuven, Belgium)	**1419**

Channel 1. Session 173 20:00 - 21:30

Industry Virtual Symposium: COPD PATIENTS DESERVE MORE: The Time To Act Is Now

Organised by Menarini group

Chairs : Claus Vogelmeier (Marburg, Germany), Alvar Agusti (Barcelona, Spain)

20:00	**Introduction by the Chairman** Alvar Agusti (Barcelona, Spain)	**1420**
20:05	**COPD patients deserve more** Claus Vogelmeier (Marburg, Germany)	**1421**
20:20	**Acting Early on COPD Exacerbations: Why and How?** Alberto Papi (Ferrara, Italy)	**1422**
20:35	**Fixed Triple Therapies in COPD: An opportunity to live Longer and Better** Dave Singh (Manchester, United Kingdom)	**1423**
20:50	**What’s next?** Alvar Agusti (Barcelona, Spain)	**1424**
21:00	**Q&A and Chair’s close** Claus Vogelmeier (Marburg, Germany)	**1425**

Channel 2. Session 174 20:00 - 21:30

Industry Virtual Symposium: Digital support for wheeze detection in young children

Organised by OMRON Healthcare Europe B.V.

Chairs : Jonathan Grigg (London, United Kingdom)

20:00	**Introduction** Jonathan Grigg (London, United Kingdom)	**1426**
20:05	**Wheeze detection in daily practice** Willem van Aalderen (Amsterdam, Netherlands)	**1427**
20:20	**Overcoming limitations of therapeutic trials on preschool wheeze** Jonathan Grigg (London, United Kingdom)	**1428**

20:40	**Impact and usability of a digital wheeze detector in a home care setting – a pilot study** Stephanie Dramburg (Berlin, Germany)	**1429**
21:00	**Q&A** Jonathan Grigg (London, United Kingdom)	**1430**

Channel 3. Session 175 20:00 - 21:00

Industry Virtual Symposium: Back to the Future: alpha-1 antitrypsin and its targets. New insights gained during the COVID-19 pandemic

Organised by Grifols

Chairs : Francesco Blasi (Milan, Italy)

20:00	**Welcome and introduction** Francesco Blasi (Milan, Italy)	**1431**
20:05	**Is there a greater role for alpha-1 antitrypsin in COVID-19?** Noel Gerard McElvaney (Dublin, Ireland)	**1432**
20:20	**Management of AATD patients during the Corona pandemic** Christian F. Clarenbach (Zürich, Switzerland)	**1433**
20:30	**Screening for AATD: Faster results with the latest testing methodology** Jose Luis López-Campos (Sevilla, Spain)	**1434**
20:45	**ALTA AWARD WINNERS 2021** Noel Gerard McElvaney (Dublin, Ireland)	**1435**
20:45	**Final Discussion, Summary and Close** Francesco Blasi (Milan, Italy)	**1436**

Channel 4. Session 176 20:00 - 21:30

Industry Virtual Symposium: Toward a New Era in Bronchoscopy and Medical Thoracoscopy

Organised by Olympus Europa SE & Co. KG

Chairs : Felix J.F. Herth (Heidelberg, Germany)

20:00	**Device improvements - What matters in daily practice?** Felix J.F. Herth (Heidelberg, Germany)	**1437**
20:10	**Bronchoscopy: Insertion depth, vison, suction in daily bronchoscopic routine** Felix J.F. Herth (Heidelberg, Germany)	**1438**
20:35	**A new thoracoscope for the pulmonologist: Patient selection and procedural benefits** Mohammed Munavvar (Preston (Lancashire), United Kingdom)	**1439**
21:00	**Q&A** Felix J.F. Herth (Heidelberg, Germany), Mohammed Munavvar (Preston (Lancashire), United Kingdom)	**1440**

Channel 6. Session 178 20:00 - 21:00

Industry Virtual Symposium: The role of Bronchiectasis and COPD as Risk Factors for MAC Lung Disease: Critical Advances in Disease Stratification and Recent International Guidelines for Antimicrobial Management

Organised by Insmed

Chairs : Christoph Lange (Borstel, Germany), Charles Daley (Denver, United States of America)

20:00	**Patient Identification, Selection, and Timing of Antimicrobial Treatment in the Context of Year 2020 ERS/ATS/ESCMID/IDSA Guideline-Based Therapy for MAC Lung Disease: New Guidance for Treatment of High Risk and Refractory Disease** Christoph Lange (Borstel, Germany)	**1447**

20:10	**Optimizing Management of MAC Lung Disease with Guideline-Based Therapy: Current, Evidence-Based Recommendations and Applying the Year 2020 ATS/IDSA/ERS/ESCMID Guidelines and Treatment Plans to the Front Lines of Patient Care for MAC Pulmonary Disease** Charles Daley (Denver, United States of America)	**1448**
20:20	**From Clinical Suspicion and Co-Morbid Risk Factors to Diagnostic Confirmation of MAC Lung Disease:Focus on New Approaches to Systematic Microbiological Confirmation, Risk Stratification, Severity Score Indexes, and Recognizing Refractory Disease** Stefano Aliberti (Milano (MI), Italy)	**1449**
20:30	**Evidence for Prompt, Intensive Intervention in Risk Appropriate Patients with MAC Lung Disease: Importance of Patient Dialogue, Risk Assessment, Detection of Refractory Disease, and Determining When Antimicrobial Treatment is More Prudent than "Watch and Wait"** Christoph Lange (Borstel, Germany)	**1450**
20:40	**From Landmark Trials to Evidence-Based Therapy for Resistant, Refractory, High Risk and/or Challenging Patients with MAC Lung Infection — The Role, Safety, Indications, Evidence, and Efficacy of Novel, Inhaled Antimicrobial Formulations** Rachel Thomson (Brisbane (QLD), Australia)	**1451**
20:50	**Real World Case Management: The Faculty Analyze, Evaluate, and Manage a Patient with Advanced MAC Lung Disease/Refractory Features** Christoph Lange (Borstel, Germany), Charles Daley (Denver, United States of America)	**1452**

Channel 1. Session 179 07:45 - 09:15

Industry Virtual Symposium: The End of the Beginning? Integrating the care of COVID-19 patients into ongoing day-to-day respiratory practice

Organised by GlaxoSmithKline

Chairs : Tobias Welte (Hannover, Germany), Alvar Agusti (Barcelona, Spain)

07:45	**Welcome, introductions, meeting objectives and where we are with COVID-19** Tobias Welte (Hannover, Germany)	**1453**
07:55	**Patients at risk of COVID-19; what about patients with respiratory chronic conditions?** Tobias Welte (Hannover, Germany)	**1454**
08:05	**Treatment of COVID-19 - different for respiratory patients?** Elizabeth Sapey (Birmingham (West Midlands), United Kingdom)	**1455**
08:25	**How de we implement our learnings into future respiratory practice?** Alvar Agusti (Barcelona, Spain)	**1456**
08:40	**Q&A** Tobias Welte (Hannover, Germany)	**1457**
09:10	**Summary and conclusion** Tobias Welte (Hannover, Germany), Alvar Agusti (Barcelona, Spain)	**1458**

Channel 2. Session 180 07:45 - 09:15

Industry Virtual Symposium: Relegating oral corticosteroids to a last resort in asthma: how do we transform clinical practice?

Organised by AstraZeneca

Chairs : Andrew Menzies-Gow (London, United Kingdom), Tonya Winders (Hendersonville, United States of America)

07:45	**The severe asthma treatment landscape: how can we push our progress further?** Andrew Menzies-Gow (London, United Kingdom), Tonya Winders (Hendersonville, United States of America)	**1459**
08:00	**Addressing evidence gaps: the latest data for relegating OCS to a last resort** David Price (Singapore, Singapore)	**1460**
08:15	**Transforming care in severe asthma with PRECISION: a US perspective on OCS Stewardship** David Beuther (Denver, United States of America)	**1461**
08:30	**Reshaping asthma care pathways: practical tools for delivering OCS Stewardship** Janwillem W. H. Kocks (Groningen, Netherlands)	**1462**
08:45	**Panel discussion and audience Q&A** Andrew Menzies-Gow (London, United Kingdom), Tonya Winders (Hendersonville, United States of America), David Price (Singapore, Singapore), Janwillem W. H. Kocks (Groningen, Netherlands), David Beuther (Denver, United States of America)	**1463**

Channel 3. Session 181 07:45 - 09:15

Industry Virtual Symposium: Challenges in the management of chronic respiratory diseases during SARS-Cov-2 pandemic: from prevention to post-acute impairment.

Organised by Zambon Spa

Chairs : Alberto Papi (Ferrara, Italy)

07:45	**Introduction** Alberto Papi (Ferrara, Italy)	**1464**
07:50	**Oxidative stress in chronic respiratory diseases. Homeostasis and Prevention** Alberto Papi (Ferrara, Italy)	**1465**
08:10	**COVID-19 in patients with lung diseases: management dilemmas** Joan B Soriano (Madrid, Spain)	**1466**

08:30	**Respiratory sequelae of COVID-19: treatment dilemmas** Luca Richeldi (Roma, Italy)	**1467**
08:50	**Q&A Live** Alberto Papi (Ferrara, Italy)	**1468**
09:14	**Challenges in the management of chronic respiratory diseases during COVID-19 pandemic: full video symposium** Alberto Papi (Ferrara, Italy)	**1469**

Skills Lab. Session 182 08:00 - 08:45

Industry Skills Lab Workshop: Narval CC oral appliance: a good alternative for treating severe OSA patients

Organised by ResMed

Chairs : guillaume buiret (, France), Karène Valentin

08:00	**Clinical results focused on severe OSA patients, in both the short and long term** guillaume buiret (, France)	**1470**
08:15	**Mandibular Advancement Device predictive success factors** guillaume buiret (, France)	**1471**
08:25	**Insights into patient experience: equipment process and long-term tolerability** guillaume buiret (, France)	**1472**
08:35	**LIVE Q/A session** guillaume buiret (, France)	**1473**

Skills Lab. Session 183 09:00 - 09:45

Industry Skills Lab Workshop: Digital threats in pneumology – Identify, Prepare, Act!

Organised by Vyaire Medical GmbH

09:00	**Digital threats in pneumology – Identify, Prepare, Act!** Schmitt Holger, Timo Kosig	
09:35	**LIVE Q&A**	

Channel 1. Session 221 13:00 - 14:30

Industry Virtual Symposium: ACT Now – Not so APPaRENT challenges in asthma management

Organised by GlaxoSmithKline

Chairs : Kenneth R. Chapman (Toronto (ON), Canada)

13:00	**Introduction** Kenneth R. Chapman (Toronto (ON), Canada)	**1682**
13:05	**Physicians, would you know how to ACT?** Kenneth R. Chapman (Toronto (ON), Canada)	**1683**
13:25	**A patient perspective on asthma control - not so APPaRENT?** Kim Lavoie (Montréal (QC), Canada)	**1684**
13:40	**A call to ACTion – breaking down the barriers to asthma control** Giorgio Walter Canonica (Milano (MI), Italy)	**1685**
13:55	**Summary** Kenneth R. Chapman (Toronto (ON), Canada)	**1686**
14:00	**Q&A** Kenneth R. Chapman (Toronto (ON), Canada)	**1687**

Channel 2. Session 222 13:00 - 14:30

Industry Virtual Symposium: Epithelial cytokines: fundamental to the pathobiology of asthma

Organised by AstraZeneca and Amgen

Chairs : Guy Brusselle (Ghent, Belgium), Celeste Michala Porsbjerg (Copenhagen, Denmark)

13:00	**Co-chairs' welcome** Guy Brusselle (Ghent, Belgium), Celeste Michala Porsbjerg (Copenhagen, Denmark)	**1688**
13:03	**Inflammation starts at the epithelium: the role of the epithelium in patients** Eric D. Bateman (Cape Town, South Africa), Celeste Michala Porsbjerg (Copenhagen, Denmark)	**1689**
13:23	**Panel Q&A** Eric D. Bateman (Cape Town, South Africa), Celeste Michala Porsbjerg (Copenhagen, Denmark)	**1690**
13:33	**Epithelial cytokines: a new way to think about inflammation in asthma?** Guy Brusselle (Ghent, Belgium), Marco Caminati (Verona (VR), Italy)	**1691**
13:53	**Panel Q&A** Guy Brusselle (Ghent, Belgium), Marco Caminati (Verona (VR), Italy)	**1692**
14:03	**Audience Q&A** Guy Brusselle (Ghent, Belgium), Celeste Michala Porsbjerg (Copenhagen, Denmark), Eric D. Bateman (Cape Town, South Africa), Marco Caminati (Verona (VR), Italy)	**1693**
14:28	**Meeting close** Guy Brusselle (Ghent, Belgium), Celeste Michala Porsbjerg (Copenhagen, Denmark)	**1694**

Channel 3. Session 223 13:00 - 14:10

Industry Virtual Symposium: The Importance of Vaccinating Against Respiratory Tract Infections in Adults

Organised by Pfizer

Chairs : Christian Theilacker (Berlin, Germany)

13:00	**Welcome and Introductions** Christian Theilacker (Berlin, Germany)	**1695**
13:05	**Adult Pneumococcal Vaccination in an Evolving Landscape** Andrea Collins (Cheshire, United Kingdom)	**1696**
13:25	**Pneumococcal Panel Discussion** Christian Theilacker (Berlin, Germany), Andrea Collins (Cheshire, United Kingdom)	**1697**
13:35	**Clinical Development and Real-World Effectiveness of Pfizer-BioNTech COVID-19** John McLaughlin (Wayne, United States of America)	**1698**
13:55	**Covid-19 Question & Answer Session** Christian Theilacker (Berlin, Germany), John McLaughlin (Wayne, United States of America)	**1699**
14:05	**Closing Remarks** Christian Theilacker (Berlin, Germany)	**1700**

Channel 4. Session 224 13:00 - 14:30

Industry Virtual Symposium: Treating COPD today: Where are the challenges and what are the solutions?

Organised by Boehringer Ingelheim International GmbH

Chairs : Sarah Jarvis (London, United Kingdom)

13:00	**Welcome and introduction** Sarah Jarvis (London, United Kingdom)	**1701**
13:05	**Challenge 1: Recognising the burden of disease** **Challenge 2: Optimising pharmacological and non-pharmacological interventions** **Challenge 3: Matching patients and inhalers.** Dave Singh (Manchester, United Kingdom), James D. Chalmers (Dundee (Angus), United Kingdom), Arschang Valipour (Wien, Austria), Sarah Jarvis (London, United Kingdom)	**1702**
14:10	**Q&A, discussion and closing comments** Sarah Jarvis (London, United Kingdom), Dave Singh (Manchester, United Kingdom), James D. Chalmers (Dundee (Angus), United Kingdom), Arschang Valipour (Wien, Austria)	**1703**

Channel 6. Session 226 13:00 - 14:30

Industry Virtual Symposium: Inhalation therapy science and climate change: a step forward in asthma

Organised by Novartis Pharma AG

Chairs : David Price (Singapore, Singapore)

13:00	**PART 1: Inhaled therapy science: a step forward** **Welcome and Introduction** David Price (Singapore, Singapore)	**1710**
13:03	**The management cycle: a major advance** **Case study: DP invites each speaker to describe their approach to a case study** Christine Jenkins (McMahons Point (NSW), Australia)	**1711**
13:13	**Stepping stones to asthma control: inhaled therapy science** **Panel Discussion** Kenneth R. Chapman (Toronto (ON), Canada)	**1712**
13:28	**Stepping stones to patient centricity: digital science** **Panel Discussion** David Price (Singapore, Singapore)	**1713**
13:43	**Summary**	**1714**
13:45	**PART 2: A greener future for asthma medicine: a step forward** **Welcome and Introduction** David Price (Singapore, Singapore)	**1715**
13:48	**Stepping stones to greener asthma management** **Panel Discussion** Ashley Woodcock (Manchester (Greater Manchester), United Kingdom)	**1716**
14:03	**Stepping stones to greener inhalers: what are the prospects?** **Panel Discussion** Kai Michael Beeh (Wiesbaden, Germany)	**1717**
14:18	**Final discussion**	**1718**
14:23	**Summary and close** David Price (Singapore, Singapore)	**1719**

Skills Lab. Session 286 15:30 - 16:15

Industry Skills Lab Workshop: High Flow Therapy: beyond gas exchange!

Organised by ResMed

Chairs : Mathieu Delorme (Talence, France), Christian Wabnitz (Basel, Switzerland)

15:30	**Rationale for Home High-Flow Therapy in chronic patients** Mathieu Delorme (Talence, France)	**2645**
15:40	**Introduction and discussion of patient cases using HFT in different settings** Mathieu Delorme (Talence, France)	**2646**
15:50	**Presentation of the HFT Solution from ResMed** Christian Wabnitz (Basel, Switzerland)	**2647**
16:00	**LIVE Q/A session** Mathieu Delorme (Talence, France), Christian Wabnitz (Basel, Switzerland)	**2648**

Skills Lab. Session 297 16:30 - 17:15

Industry Skills Lab Workshop: AlphaID™, an easy-to-use, patient-friendly tool to help in the diagnosis of alpha-1 antitrypsin deficiency (AATD)

Organised by GRIFOLS, S.A.

Chairs : Layla Diab Caceres (Madrid, Spain)

16:30	**Welcome and Introduction** Layla Diab Caceres (Madrid, Spain)	**2704**
16:35	**Introduction to the AlphaID™ Tool, Instructions for Use and Important Considerations** Layla Diab Caceres (Madrid, Spain)	**2705**
17:00	**Q&As and Final Discussion, Summary and Close** Layla Diab Caceres (Madrid, Spain)	**2706**

Skills Lab. Session 304 17:30 - 18:15

Industry Skills Lab Workshop: The benefits of Nasal High Flow therapy in COPD patients in the home

Organised by Fisher & Paykel Healthcare

Chairs : Nicholas Hart (London, United Kingdom), Stefano Nava (Bologna (BO), Italy)

17:30	**Domiciliary high-flow nasal cannula oxygen therapy for stable hypercapnic COPD patients** Kazuma Nagata (Kobe, Japan)	**2747**
17:42	**Feasibility of using daily home high flow nasal therapy in COPD patients following recent COPD hospitalization** Gerard J. Criner (Philadelphia, United States of America)	**2748**
17:54	**Cost-effectiveness of domiciliary high flow treatment in COPD patients with chronic respiratory failure** Ulla Møller Weinreich (Ålborg, Denmark)	**2749**
18:06	**Question and Answer session**	**2750**

Channel 1. Session 310 18:15 - 19:45

Industry Virtual Symposium: Mepolizumab: Translating clinical trial evidence to real world patients

Organised by GlaxoSmithKline

Chairs : Peter Howarth (Brentford, United Kingdom)

18:15	**Welcome** Peter Howarth (Brentford, United Kingdom)	**2751**
18:25	**REALITI-A: 1-year analysis of the global, prospective RWE study** Stephanie Korn (Mainz, Germany)	**2752**
18:45	**COMET: An RCT designed to address real world clinical questions** Arnaud Bourdin (Montpellier Cedex 5, France)	**2753**
18:55	**Translating clinical trial evidence to real world patients: An expert discussion about routine clinical questions** Peter Howarth (Brentford, United Kingdom), Stephanie Korn (Mainz, Germany), Arnaud Bourdin (Montpellier Cedex 5, France)	**2754**
19:15	**Closing** Peter Howarth (Brentford, United Kingdom)	**2755**

Channel 2. Session 311 18:15 - 19:45

Industry Virtual Symposium: COVID-19: Impact of Vaccines and Emerging Therapies in Respiratory Medicine

Organised by AstraZeneca

Chairs : Tobias Welte (Hannover, Germany)

18:15	**Welcome & introduction: where are we today in defeating COVID-19?** Tobias Welte (Hannover, Germany)	**2756**
18:30	**New frontiers in monoclonal antibody therapies for COVID-19** Myron J Levin (Colorado, United States of America)	**2757**

18:55	**COVID-19: advances in practice and learnings for respiratory medicine** Mona Al-Ahmad (Kuwait, Kuwait)	**2758**
19:20	**Panel discussion** Tobias Welte (Hannover, Germany), Mona Al-Ahmad (Kuwait, Kuwait), Myron J Levin (Colorado, United States of America)	**2759**

Channel 3. Session 312 18:15 - 19:45

Industry Virtual Symposium: Revolution or evolution: What does the future hold in ILD?

Organised by F. Hoffmann-La Roche Ltd.

18:15	**Opening remarks** Catharina Moor (Rotterdam, Netherlands)	**2760**
18:20	**Advances in ILD imaging technology: contributing to an early and accurate diagnosis** Joseph Jacob (London, United Kingdom)	**2761**
18:40	**The changing IPF treatment landscape: working for a better future for patients with IPF** Gisli Jenkins (London, United Kingdom)	**2762**
19:00	**Innovations to improve patient care in ILD: shaping the future of patient interactions** Catharina Moor (Rotterdam, Netherlands)	**2763**
19:20	**Q&A** Catharina Moor (Rotterdam, Netherlands), Gisli Jenkins (London, United Kingdom), Joseph Jacob (London, United Kingdom)	**2764**

Channel 4. Session 313 18:15 - 19:45

Industry Virtual Symposium: The role and timing of antiviral therapy in the treatment of hospitalised patients with COVID-19

Organised by Gilead Sciences Europe Ltd

Chairs : Andrew Ustianowski (Manchester, United Kingdom)

18:15	**The changing face of the COVID-19 pandemic** Andrew Ustianowski (Manchester, United Kingdom)	**2765**
18:25	**Pathophysiology and treatment rationales** Andrew Ustianowski (Manchester, United Kingdom), Chidinma Chima-Melton (Los Angeles, United States of America)	**2766**
18:40	**Trials with antivirals, combination therapies and immunomodulators** Leticia Kawano-Dourado (Sao Paulo, Brazil), Thomas Benfield (Hvidovre, Denmark)	**2767**
19:00	**How can antiviral and combination therapies optimise patient outcomes?** Andrew Ustianowski (Manchester, United Kingdom), Thomas Benfield (Hvidovre, Denmark), Leticia Kawano-Dourado (Sao Paulo, Brazil), Chidinma Chima-Melton (Los Angeles, United States of America)	**2768**
19:30	**Live audience Q&A and meeting close** Andrew Ustianowski (Manchester, United Kingdom), Thomas Benfield (Hvidovre, Denmark), Leticia Kawano-Dourado (Sao Paulo, Brazil), Chidinma Chima-Melton (Los Angeles, United States of America)	**2769**

Channel 5. Session 314 18:15 - 19:45

Industry Virtual Symposium: How digital inhalers can address the human burden of chronic respiratory diseases

Organised by Teva Pharmaceuticals Europe B.V.

Chairs : John Haughney (Glasgow, United Kingdom)

18:15	**Welcome and opening remarks** John Haughney (Glasgow, United Kingdom)	**2770**
18:25	**The human burden of chronic respiratory disease in 2021** Mark L. Levy (London, United Kingdom)	**2771**

18:35	**What is on the horizon? Opportunities for digital inhalers** Nawar Diar Bakerly (Salford (Lancashire), United Kingdom)	**2772**
18:45	**Panel discussion: How can digital inhalers improve respiratory care?** John Haughney (Glasgow, United Kingdom), Mark L. Levy (London, United Kingdom), Nawar Diar Bakerly (Salford (Lancashire), United Kingdom), Monica Fletcher (Cuckfield, United Kingdom)	**2773**
18:55	**Connected technology, connected patients; how digital inhalers can support clinical management for HCPs and patients** Monica Fletcher (Cuckfield, United Kingdom)	**2774**
19:10	**Closing remarks** John Haughney (Glasgow, United Kingdom), Mark L. Levy (London, United Kingdom), Nawar Diar Bakerly (Salford (Lancashire), United Kingdom), Monica Fletcher (Cuckfield, United Kingdom)	**2775**
19:15	**Panel discussion and audience Q&A** John Haughney (Glasgow, United Kingdom)	**2776**

Channel 6. Session 315 18:15 - 19:45

Industry Virtual Symposium: Impact of Navigation on Peripheral Bronchoscopy

Organised by Olympus Europa SE & Co. KG

Chairs : Felix J.F. Herth (Heidelberg, Germany), Lonny Yarmus (Baltimore, United States of America)

18:15	**Does navigation matter for lung cancer diagnosis?** Felix J.F. Herth (Heidelberg, Germany)	**2777**
18:45	**All-in-one procedure for lung cancer diagnosis and staging** Lonny Yarmus (Baltimore, United States of America)	**2778**
19:15	**Q&A** Felix J.F. Herth (Heidelberg, Germany), Lonny Yarmus (Baltimore, United States of America)	**2779**

Channel 1. Session 316 20:00 - 21:30

Industry Virtual Symposium: Filling the communication gap in COPD: reshaping our world with a patient-centered approach

Organised by Menarini Group

Chairs : Jose Luis López-Campos (Sevilla, Spain)

20:00	**Introduction by the Chairman** Jose Luis López-Campos (Sevilla, Spain)	**2780**
20:15	**MIRRORing CLARA: a real world study in COPD** Bernd Lamprecht (Linz, Austria)	**2781**
20:45	**Treating COPD patients in real life settings** Konstantinos Kostikas (Ioannina, Greece)	**2782**
21:15	**Conclusions and Q&A** Jose Luis López-Campos (Sevilla, Spain)	**2783**

Channel 2. Session 317 20:00 - 21:30

Industry Virtual Symposium: Harvesting the fruits of pulmonary disease research - learnings from the COVID-19 pandemic

Organised by CSL Behring GmbH

Chairs : Felix J.F. Herth (Heidelberg, Germany), Daiana Stolz (Basel, Switzerland)

20:00	**Session 1: Welcome, introductions and meeting objectives** Felix J.F. Herth (Heidelberg, Germany), Daiana Stolz (Basel, Switzerland)	**2784**
20:05	**Session 2: Planning for success: Research priorities in AATD** Maria Campos Miranda Duarte Sucena (Porto, Portugal)	**2785**
20:15	**Session 3: Optimising laboratory diagnosis of AATD** Ilaria Ferrarotti (Pavia (PV), Italy)	**2786**

20:25	**Session 4: Paradigm shifts in AATD: The impact of COVID-19 on patient management** Felix J.F. Herth (Heidelberg, Germany)	**2787**
20:35	**Session 1-4: Live Q&A**	**2788**
20:50	**Session 5: Strategies to prevent and manage severe COVID-19** Dave Singh (Manchester, United Kingdom)	**2789**
21:10	**Session 5: Live Q&A**	**2790**
21:25	**Session 6: Summary and closing remarks** Felix J.F. Herth (Heidelberg, Germany), Daiana Stolz (Basel, Switzerland)	**2791**

Channel 3. Session 318 20:00 - 21:30

Industry Virtual Symposium: High-Flow Therapy (HFT): where are we today?

Organised by ResMed

Chairs : Miguel R. Gonçalves (Porto, Portugal), Dora Triché (Nürnberg, Germany)

20:00	**Summary of the evidence on home HFT for COPD** Dora Triché (Nürnberg, Germany)	**2792**
20:24	**HFT in post-COVID patients from hospital to home: experiences from Spain** Javier Sayas Catalan (Madrid, Spain)	**2793**
20:44	**HFT from hospital to home: experiences from Italy** Claudia Crimi (Catania (CT), Italy)	**2794**
21:04	**Live Q&A Session** Miguel R. Gonçalves (Porto, Portugal), Dora Triché (Nürnberg, Germany), Javier Sayas Catalan (Madrid, Spain), Claudia Crimi (Catania (CT), Italy)	**2795**

Channel 4. Session 319 20:00 - 21:00

Industry Virtual Symposium: Treprostinil use in PAH: Advances in clinical evidences

Organised by Ferrer

Chairs : Ekkehard Grünig (Heidelberg, Germany)

20:00	**Introduction** Ekkehard Grünig (Heidelberg, Germany)	**2796**
20:05	**Oral treprostinil: insights from FREEDOM studies and practical considerations** R James White (Rochester, United States of America)	**2797**
20:25	**Parenteral treprostinil: afterload reduction in the early upfront use, hemodynamic and risk reduction effects** Roberto Badagliacca (Rome, Italy)	**2798**
20:45	**Questions & Answers** Ekkehard Grünig (Heidelberg, Germany), R James White (Rochester, United States of America), Roberto Badagliacca (Rome, Italy)	**2799**

Channel 5. Session 320 20:00 - 21:30

Industry Virtual Symposium: Raising the Bar: Setting New Objectives for Managing Severe Asthma

Organised by Sanofi Genzyme and Regeneron

20:00	**Defining Treatable Traits and the True Clinical Burden of Severe Asthma** Andrew Menzies-Gow (London, United Kingdom), Guy Brusselle (Ghent, Belgium), Enrico Marco Heffler (Milano, Italy)	**2800**
20:10	**Transforming Measurements Into Management: Does Exacerbation History Define Treatment Decisions?** Andrew Menzies-Gow (London, United Kingdom)	**2801**

20:20	**Panel Discussion** Andrew Menzies-Gow (London, United Kingdom), Guy Brusselle (Ghent, Belgium), Enrico Marco Heffler (Milano, Italy)	**2802**
20:25	**Transforming Measurements Into Management: FeNO As a Marker of Type 2 Inflammation in Severe Asthma** Guy Brusselle (Ghent, Belgium)	**2803**
20:35	**Panel Discussion** Andrew Menzies-Gow (London, United Kingdom), Guy Brusselle (Ghent, Belgium), Enrico Marco Heffler (Milano, Italy)	**2804**
20:40	**Transforming Measurements Into Management: Moving Beyond Eosinophilia to Type 2 Inflammation in Severe Asthma** Enrico Marco Heffler (Milano, Italy)	**2805**
20:50	**Panel Discussion** Andrew Menzies-Gow (London, United Kingdom), Guy Brusselle (Ghent, Belgium), Enrico Marco Heffler (Milano, Italy)	**2806**
21:00	**Question and Answer** Andrew Menzies-Gow (London, United Kingdom), Guy Brusselle (Ghent, Belgium), Enrico Marco Heffler (Milano, Italy)	**2807**

Channel 1. Session 321 07:45 - 09:15

Industry Virtual Symposium: The link between Air Pollution and Sars-Cov-2. What is the evidence telling us?

Organised by GSK Consumer Healthcare

07:45	**Welcome, introduction and agenda** Christopher Carlsten (Vancouver (BC), Canada)	**2808**
07:50	**2COVID-19, SARS-CoV-2 and air pollution: attempts by epidemiology to connect the dots** Christopher Carlsten (Vancouver (BC), Canada)	**2809**
08:15	**COVID-19, SARS-CoV-2 and air pollution: mechanisms linking COVID-19 with air pollution** Kian Fan Chung (London, United Kingdom)	**2810**
08:45	**Q&A/Discussion** Christopher Carlsten (Vancouver (BC), Canada), Kian Fan Chung (London, United Kingdom), Gary Wong (Shatin, Hong Kong), Sundeep Santosh Salvi (Pune (Maharashtra), India)	**2811**
09:10	**Closing remarks** Christopher Carlsten (Vancouver (BC), Canada)	**2812**

Channel 4. Session 322 07:45 - 09:15

Industry Virtual Symposium: COVID-19 and lung injury

Organised by Boehringer Ingelheim International GmbH

Chairs : Tobias Welte (Hannover, Germany)

07:45	**Welcome and introduction** Tobias Welte (Hannover, Germany)	**2813**
07:50	**Acute lung injury in COVID-19** Tobias Welte (Hannover, Germany)	**2814**
08:05	**Guidelines for the management of patients with COVID-19** Leticia Kawano-Dourado (Sao Paulo, Brazil)	**2815**
08:20	**Challenges in the management of patients post-COVID-19** Andreas Rembert Koczulla (Marburg, Germany)	**2816**
08:35	**Live Q&A** Tobias Welte (Hannover, Germany), Leticia Kawano-Dourado (Sao Paulo, Brazil), Andreas Rembert Koczulla (Marburg, Germany)	**2817**

Skills Lab. Session 323 09:00 - 09:45

Industry Skills Lab Workshop: Clinical Case Review Session:Zephyr® Valve Treatment for Severe Emphysema Patients: Who? When? Why?

Organised by Pulmonx

Chairs : Pallav L. Shah (London, United Kingdom), Dirk-Jan Slebos (Groningen, Netherlands)

09:00	**Introduction: Current knowledge on ELVR** Pallav L. Shah (London, United Kingdom)	**2818**
09:05	**The typical elegible patient (Who, when, where to refer?)** Pallav L. Shah (London, United Kingdom)	**2819**
09:15	**Case studies** Dirk-Jan Slebos (Groningen, Netherlands)	**2820**
09:30	**Q&A Part** Pallav L. Shah (London, United Kingdom), Dirk-Jan Slebos (Groningen, Netherlands)	**2821**

Channel 1. Session 361 13:00 - 14:30

Industry Virtual Symposium: Eosinophil-driven diseases: An unmet need and clinical challenge

Organised by GlaxoSmithKline

Chairs : Peter Howarth (Brentford, United Kingdom), Florence Schleich (Liège, Belgium)

13:00	**Welcome** Peter Howarth (Brentford, United Kingdom), Florence Schleich (Liège, Belgium)	**3034**
13:05	**Eosinophils in health and disease** Michael E. Wechsler (Denver, United States of America)	**3035**
13:20	**Differential diagnosis of eosinophilic diseases** Florence Roufosse (Brussels, Belgium)	**3036**
13:35	**Overview of a patient journey with eosinophilia** Florence Schleich (Liège, Belgium)	**3037**
13:45	**Discussion: Differential diagnosis of a patient with eosinophilia** Michael E. Wechsler (Denver, United States of America), Florence Roufosse (Brussels, Belgium), Claire Hopkins (London, United Kingdom), Florence Schleich (Liège, Belgium)	**3038**
14:00	**Closing remarks** Peter Howarth (Brentford, United Kingdom)	**3039**
14:05	**Q&A** Peter H. Howarth (Southampton (Hampshire), United Kingdom)	**3040**

Channel 2. Session 362 13:00 - 14:00

Industry Virtual Symposium: Advanced Lung Protection: Hospital to Home

Organised by Philips

13:00	**Advanced Lung Protection from Hospital to Home** Michael Polkey (London, United Kingdom)	**3041**
13:05	**Hospital Ventilation: Advanced Lung Parameters** Javier Belda (Valencia, Spain)	**3042**
13:35	**Home Mechanical Ventilation: AVAPS-AE** Michael Polkey (London, United Kingdom)	**3043**

Channel 3. Session 363 13:00 - 14:30

Industry Virtual Symposium: Benefits of Remote Management and Patient-reported Outcomes in Delivering CPAP Therapy

Organised by ResMed

Chairs : Adam Benjafield (Sydney, Australia), Ludger Grote (Göteborg, Sweden)

13:00	**The role of telemedicine during the COVID-19 Pandemic** Sophia E. Schiza (Heraklion, Greece)	**3044**
13:24	**Live Q&A Session with Sophia Schiza** Sophia E. Schiza (Heraklion, Greece)	**3045**
13:29	**The value of patient-reported outcomes in CPAP therapy management** Peter A. Cistulli (St Leonards (NSW), Australia)	**3046**
13:49	**Impact of remote management and patient engagement on CPAP therapy** Adam Benjafield (Sydney, Australia)	**3047**
14:09	**Live Q&A Session** Ludger Grote (Göteborg, Sweden), Adam Benjafield (Sydney, Australia), Sophia E. Schiza (Heraklion, Greece), Peter A. Cistulli (St Leonards (NSW), Australia)	**3048**

Channel 4. Session 364 13:00 - 14:30

Industry Virtual Symposium: Addressing challenges in the treatment of fibrosing ILDs

Organised by Boehringer Ingelheim International GmbH

Chairs : Marlies S. Wijsenbeek (Rotterdam, Netherlands)

13:00	**Welcome and introduction** Marlies S. Wijsenbeek (Rotterdam, Netherlands)	**3049**
13:05	**How should we define progression of ILD?** Toby Maher (Los Angeles, United States of America)	**3050**
13:20	**How should we treat patients with progressive fibrosing ILDs?** Elisabetta Renzoni (London, United Kingdom)	**3051**
13:35	**How can we help patients with ILDs to “live well”?** Marlies S. Wijsenbeek (Rotterdam, Netherlands)	**3052**
13:50	**Live Q&A** Marlies S. Wijsenbeek (Rotterdam, Netherlands), Toby Maher (Los Angeles, United States of America), Elisabetta Renzoni (London, United Kingdom)	**3053**

Channel 5. Session 365 13:00 - 14:30

Industry Virtual Symposium: Moving Past Oral Corticosteroid (OCS) Dependency for Patients With Severe Asthma: The Dupilumab Experience

Organised by Sanofi Genzyme and Regeneron

13:00	**Opening Remarks** Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Enrico Marco Heffler (Milano, Italy), Roland Buhl (Mainz, Germany)	**3054**
13:05	**The Cumulative Burden and Risks of Chronic OCS Use** Enrico Marco Heffler (Milano, Italy)	**3055**
13:10	**Panel PerspectivesThe Imperative to Minimize OCS Exposure** Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Enrico Marco Heffler (Milano, Italy), Roland Buhl (Mainz, Germany)	**3056**
13:24	**A Path to OCS Reduction: Long-Term Evidence of Dupilumab OCS-Sparing Effects** Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom)	**3057**
13:39	**Audience Q&A** Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Enrico Marco Heffler (Milano, Italy), Roland Buhl (Mainz, Germany)	**3058**
13:54	**Panel PerspectivesDupilumab in Practice: Clinical Experience in OCS-Dependent Patients** Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Enrico Marco Heffler (Milano, Italy), Roland Buhl (Mainz, Germany)	**3059**
14:10	**Audience Q&A** Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Enrico Marco Heffler (Milano, Italy), Roland Buhl (Mainz, Germany)	**3060**
14:25	**Closing Remarks** Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Enrico Marco Heffler (Milano, Italy), Roland Buhl (Mainz, Germany)	**3061**

Channel 6. Session 366 13:00 - 14:30

Industry Virtual Symposium: Unlock every breath: finding the right key to improve respiratory therapy

Organised by Chiesi Farmaceutici S.p.A.

Chairs : Dave Singh (Manchester, United Kingdom)

13:00	**Welcome video** Dave Singh (Manchester, United Kingdom)	**3062**
13:01	**Introduction and foreword** Dave Singh (Manchester, United Kingdom)	**3063**
13:06	**A key fitting the lock - Role of small airways and extrafine formulations** Monica Kraft (Tucson, United States of America)	**3064**

13:25	**Unlocking the potential of inhalation devices** Omar S. Usmani (London, United Kingdom)	**3065**
13:40	**Third time's a charm - Role of triple therapy in asthma** Alberto Papi (Ferrara, Italy)	**3066**
14:00	**Q&A** Dave Singh (Manchester, United Kingdom), Monica Kraft (Tucson, United States of America), Omar S. Usmani (London, United Kingdom), Alberto Papi (Ferrara, Italy)	**3067**

Skills Lab. Session 426 15:30 - 16:15

Industry Skills Lab Workshop: EBUS-TBNA and Valve Therapy for Emphysema and Air Leak - Learn with the Experts

Organised by Olympus Europa SE & Co. KG

Chairs : Ralf Eberhardt (Hamburg, Germany)

15:30	**Handling all EBUS-TBNA procedure steps safe and efficient** Ralf Eberhardt (Hamburg, Germany)	**4030**
15:50	**One valve, two therapies - How to place valves step-by-step for optimal procedure outcome** Ralf Eberhardt (Hamburg, Germany)	**4031**

Skills Lab. Session 437 16:30 - 17:15

Industry Skills Lab Workshop: Switching from Noninvasive Ventilation to High Flow Therapy

Organised by Philips

Chairs :

16:30	**NIV and HFT therapy modalities** Carlos Ferrando (Barcelona, Spain)	**4076**
16:55	**V60 Plus demonstration on how to switch from NIV to HFT** Traci Wellington (Brisbane , Australia)	**4077**

Skills Lab. Session 444 17:30 - 18:15

Industry Skills Lab Workshop: Longterm mechanical ventilation: how to achieve clinical benefit

Organised by www.hul.de

Chairs : Matthias Schwaibold (Karlsruhe, Germany), Sarah Bettina Schwarz (Köln, Germany)

17:30	**How to select patients who benefit from longterm mechanical ventilation, patient interface and initial ventilator setup** Sarah Bettina Schwarz (Köln, Germany)	**4121**
17:48	**How to monitor and optimize success in longterm mechanical ventilation** Jesus Gonzalez-Bermejo (, Spain)	**4122**
18:06	**Solutions to achieve success in longterm mechanical ventilation - a case report** Anne Gruenewald (, Germany)	**4123**

Channel 1. Session 450 18:15 - 19:15

Industry Virtual Symposium: Shifting the boundary in rare diseases: Spotlight on cystic fibrosis

Organised by Vertex Pharmaceuticals (Europe) Limited

18:15	**Chair's welcome: From gene discovery to precision medicine** Stuart Elborn (Belfast (Belfast), United Kingdom)	**4124**
18:23	**Drug development in rare diseases: The CF journey** Marcus Mall (Berlin, Germany)	**4125**
18:35	**Design and flexibility of clinical trials** Claire Wainwright (Brisbane (QLD), Australia)	**4126**
18:47	**Evidence generation: Learnings from the real world** Gwyneth Davies (London, United Kingdom)	**4127**

18:59	**Panel discussion and Q&A** Stuart Elborn (Belfast (Belfast), United Kingdom)	**4128**
19:13	**Chair's close** Stuart Elborn (Belfast (Belfast), United Kingdom)	**4129**

Channel 2. Session 451 18:15 - 19:15

Industry Virtual Symposium: EDS management in OSA : The new paradigm

Organised by Bioprojet Pharma

Chairs : Fernando Eduardo Barbe Illa (Lleida, Spain)

18:15	**A new paradigm: the therapeutic place of drugs** Sonya Craig (Liverpool, United Kingdom)	**4130**
18:30	**The Histamine pathway, a new approach** Jean-Louis Pépin (Grenoble, France)	**4131**
18:45	**Clinical cases** Winfried J. Randerath (Solingen, Germany)	**4132**
19:00	**Q&A** Sonya Craig (Liverpool, United Kingdom), Winfried J. Randerath (Solingen, Germany), Jean-Louis Pépin (Grenoble, France)	**4133**

Channel 3. Session 452 18:15 - 19:45

Industry Virtual Symposium: Improving asthma & COPD outcomes in 2021: Approaches to empower patients

Organised by Orion and Menarini

Chairs : Eric D. Bateman (Cape Town, South Africa)

18:15	**Welcome: Introduction and housekeeping** Eric D. Bateman (Cape Town, South Africa)	**4134**
18:21	**Personalising treatment in COPD: The case for ICS** Alvar Agusti (Barcelona, Spain)	**4135**
18:39	**Selecting the appropriate device for personalised management of asthma and COPD** Anna Murphy (Leicester (Leicestershire), United Kingdom)	**4136**
18:57	**The patient perspective on ICS/formoterol as reliever for mild asthma: Theory and Practice** Eric D. Bateman (Cape Town, South Africa)	**4137**
19:15	**Live Q&A panel discussion** Eric D. Bateman (Cape Town, South Africa), Alvar Agusti (Barcelona, Spain), Anna Murphy (Leicester (Leicestershire), United Kingdom)	**4138**

Channel 4. Session 453 18:15 - 19:45

Industry Virtual Symposium: Myth-busting in fibrosing ILDs

Organised by Boehringer Ingelheim International GmbH

Chairs : Bruno Crestani (Paris, France)

18:15	**Myths in fibrosing ILDs** Bruno Crestani (Paris, France)	**4139**
18:25	**Was INBUILD a collection of trials in individual diseases?** Kevin R. Flaherty (Pinckney, United States of America)	**4140**
18:40	**Do only patients who have a UIP pattern need antifibrotic therapy?** Nazia Chaudhuri (Manchester (Greater Manchester), United Kingdom)	**4141**
18:50	**Does SSc-ILD progress too slowly to warrant treatment with nintedanib?** Michael Kreuter (Heidelberg, Germany)	**4142**

19:05	**Live Q&A** Bruno Crestani (Paris, France), Kevin R. Flaherty (Pinckney, United States of America), Nazia Chaudhuri (Manchester (Greater Manchester), United Kingdom), Michael Kreuter (Heidelberg, Germany)	**4143**

Channel 5. Session 454 18:15 - 19:30

Industry Virtual Symposium: Type 2 Inflammation: Connecting Diseases of the Upper and Lower Airway

Organised by Sanofi Genzyme and Regeneron

18:15	**Evaluating All Angles of the Burden of Disease in Patients With CRSwNP** Claire Hopkins (London, United Kingdom)	**4144**
18:35	**Tying Together Type 2 Inflammation in the Upper and Lower Airways** Wytske Fokkens (Amsterdam, Netherlands)	**4145**
18:55	**Integrated Care: Managing CRSwNP and Coexisting Upper and Lower Type 2 Inflammatory Airway Diseases** Enrico Marco Heffler (Milano, Italy)	**4146**
19:15	**Question and Answer** Claire Hopkins (London, United Kingdom), Wytske Fokkens (Amsterdam, Netherlands), Enrico Marco Heffler (Milano, Italy)	**4147**

Channel 6. Session 455 18:15 - 19:15

Industry Virtual Symposium: Pulmonary Hypertension associated with Interstitial Lung Disease

Organised by Ferrer

Chairs : Horst Olschewski (Graz, Austria)

18:15	**Introduction** Horst Olschewski (Graz, Austria)	**4148**
18:20	**Best practices in pulmonary hypertension associated with interstitial lung disease: importance of early referral and diagnosis** David Kelly (Norwich (Norfolk), United Kingdom)	**4149**
18:40	**Pulmonary hypertension associated with interstitial lung disease: current clinical and treatment approach** Steven D Nathan (Falls Church, United States of America)	**4150**
19:00	**Questions & Answers** Horst Olschewski (Graz, Austria), Steven D Nathan (Falls Church, United States of America), David Kelly (Norwich (Norfolk), United Kingdom)	**4151**

Channel 1. Session 456 20:00 - 21:30

Industry Virtual Symposium: What are the challenges and solutions for managing patients with COPD in 2021

Organised by GlaxoSmithKline

Chairs : MeiLan K. Han (Ann Arbor, United States of America)

20:00	**Introduction** MeiLan K. Han (Ann Arbor, United States of America)	**4152**
20:05	**COVID-19 learnings: Remote assessment** Janwillem W. H. Kocks (Groningen, Netherlands)	**4153**
20:20	**Eosinophils in clinical practice** MeiLan K. Han (Ann Arbor, United States of America)	**4154**
20:33	**COPD & bronchiectasis** James D. Chalmers (Dundee (Angus), United Kingdom)	**4155**
20:49	**Vaccination** Tobias Welte (Hannover, Germany)	**4156**

21:01	**Summary** MeiLan K. Han (Ann Arbor, United States of America)	**4157**
21:04	**Q&A** MeiLan K. Han (Ann Arbor, United States of America)	**4158**

Channel 2. Session 457 20:00 - 21:30

Industry Virtual Symposium: Detecting Genomic UIP Pattern to Improve ILD Diagnosis

Organised by Veracyte

Chairs : Sangeeta Bhorade (Chicago, United States of America)

20:00	**Introduction** Sangeeta Bhorade (Chicago, United States of America)	**4159**
20:05	**An Overview of the Diagnostic challenges in ILD** Luca Richeldi (Roma, Italy)	**4160**
20:25	**Clinical validation studies of Envisia Genomic Classifier** Michael Kreuter (Heidelberg, Germany)	**4161**
20:45	**Envisia Genomic Classifier Utility in ILD Diagnosis and Prognosis – Patient Cases** Mary Beth Scholand (Utah, United States of America)	**4162**
21:05	**Q&A** Sangeeta Bhorade (Chicago, United States of America)	**4163**
21:25	**Conclusion** Sangeeta Bhorade (Chicago, United States of America)	**4164**

Channel 3. Session 458 20:00 - 21:30

Industry Virtual Symposium: Assessment of mandibular movement monitoring with machine learning analysis for the diagnosis of obstructive sleep apnea

Organised by Sunrise

Chairs : Sophia E. Schiza (Heraklion, Greece)

20:00	**Introduction** Sophia E. Schiza (Heraklion, Greece)	**4165**
20:02	**The physiology of mandibular movement** Jean-Benoit Martinot (Namur, Belgium)	**4166**
20:32	**The results of the study published in JAMA Network Open and the general principles behind the technology** Jean-Louis Pépin (Grenoble, France)	**4167**
20:57	**The Sensapnea projet and study results** Julia Kelly (London, United Kingdom)	**4168**
21:07	**Q&A** Sophia E. Schiza (Heraklion, Greece)	**4169**

Channel 4. Session 459 20:00 - 21:30

Industry Virtual Symposium: Asthma and COPD management – where are we now, and where could we be in the future?

Organised by Teva Pharmaceuticals Europe B.V.

Chairs : Peter J. Barnes (London, United Kingdom)

20:00	**Introduction** Peter J. Barnes (London, United Kingdom)	**4170**
20:05	**Asthma and COPD management in 2021** Peter J. Barnes (London, United Kingdom)	**4171**

20:15	**Improving our standards of severe asthma management** Andrew Menzies-Gow (London, United Kingdom)	**4172**
20:30	**Panel discussion: Present and future care for respiratory diseases – how can we raise the bar?** Peter J. Barnes (London, United Kingdom), Andrew Menzies-Gow (London, United Kingdom), Henry Chrystyn (Bingley (West Yorkshire), United Kingdom)	**4173**
20:40	**The digital age: The future of respiratory disease care** Henry Chrystyn (Bingley (West Yorkshire), United Kingdom)	**4174**
20:55	**Closing remarks** Peter J. Barnes (London, United Kingdom)	**4175**
21:00	**Panel discussion, audience Q&A and close** Peter J. Barnes (London, United Kingdom), Andrew Menzies-Gow (London, United Kingdom), Henry Chrystyn (Bingley (West Yorkshire), United Kingdom)	**4176**

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