Outside the congress centre

Session 1  14:00 - 15:00

Public: Press conference
### Stolz 1
#### Session 2
**08:00 - 19:15**

**OSCE examination : Thoracic ultrasound training programme Part 3 - OSCE examination - by invitation only**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Chairs</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:15</td>
<td>TUS Part 3 - OSCE: Round 1</td>
<td>Radhika Banka (Mumbai (Maharashtra), India), Christian B. Laursen (Odense M, Denmark), Nick Maskell (Bristol (Avon), United Kingdom), Lars Konge (Copenhagen, Denmark, Denmark), Anand Sundaralingam (Oxford, United Kingdom)</td>
</tr>
<tr>
<td>09:20</td>
<td>TUS Part 3 - OSCE: Round 2</td>
<td>Nick Maskell (Bristol (Avon), United Kingdom), Najib M. Rahman (ABINGDON, United Kingdom), Radhika Banka (Mumbai (Maharashtra), India), Dinesh Addala (Oxford, United Kingdom)</td>
</tr>
<tr>
<td>10:25</td>
<td>TUS Part 3 - OSCE: Round 3</td>
<td>Jouke T. Annema (Amsterdam, Netherlands), Laurence M.M.J. Crombag (Amsterdam, Netherlands), Anand Sundaralingam (Oxford, United Kingdom), Christian B. Laursen (Odense M, Denmark)</td>
</tr>
<tr>
<td>11:30</td>
<td>TUS Part 3 - OSCE: Round 4</td>
<td>Jouke T. Annema (Amsterdam, Netherlands), Laurence M.M.J. Crombag (Amsterdam, Netherlands), Dinesh Addala (Oxford, United Kingdom), Christian B. Laursen (Odense M, Denmark)</td>
</tr>
<tr>
<td>12:35</td>
<td>TUS Part 3 - OSCE: Round 5</td>
<td>Nick Maskell (Bristol (Avon), United Kingdom), Najib M. Rahman (ABINGDON, United Kingdom), Radhika Banka (Mumbai (Maharashtra), India), Alguili Elsheikh (Wheatley, South Oxfordshire, United Kingdom)</td>
</tr>
<tr>
<td>13:40</td>
<td>TUS Part 3 - OSCE: Round 6</td>
<td>Alguili Elsheikh (Wheatley, South Oxfordshire, United Kingdom), Peter I. Bonta (Amsterdam, Netherlands), Laurence M.M.J. Crombag (Amsterdam, Netherlands)</td>
</tr>
<tr>
<td>14:45</td>
<td>TUS Part 3 - OSCE: Round 7</td>
<td>Rahul Bhatnagar (Bristol, United Kingdom), Laurence M.M.J. Crombag (Amsterdam, Netherlands), Jesper Rømhild Davidsen (Odense C, Denmark), Søren Helbo Skaarup (Aarhus C, Denmark)</td>
</tr>
<tr>
<td>15:50</td>
<td>TUS Part 3 - OSCE: Round 8</td>
<td>Rahul Bhatnagar (Bristol, United Kingdom), Laurence M.M.J. Crombag (Amsterdam, Netherlands), Jesper Rømhild Davidsen (Odense C, Denmark), Søren Helbo Skaarup (Aarhus C, Denmark)</td>
</tr>
<tr>
<td>16:55</td>
<td>TUS Part 3 - OSCE: Round 9</td>
<td>Jouke T. Annema (Amsterdam, Netherlands), Casper Falster (Odense, Denmark), Pia Iben Pietersen (Odense C, Denmark), Alguili Elsheikh (Wheatley, South Oxfordshire, United Kingdom), Beenish Iqbal (Oxford, United Kingdom)</td>
</tr>
<tr>
<td>18:00</td>
<td>TUS Part 3 - OSCE: Round 10</td>
<td>Jouke T. Annema (Amsterdam, Netherlands), Casper Falster (Odense, Denmark), Pia Iben Pietersen (Odense C, Denmark), Alguili Elsheikh (Wheatley, South Oxfordshire, United Kingdom), Beenish Iqbal (Oxford, United Kingdom)</td>
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</table>

### Lehar 2
#### Session 3
**08:30 - 13:30**

**Academy: Academy of paediatric respiratory medicine - €**

Additional registration is required for this session.

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Chairs</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>Endoscopy</td>
<td>Ernst Eber (Graz, Austria), Fabio Midulla (Roma (RM), Italy)</td>
</tr>
<tr>
<td>09:15</td>
<td>Lung function tests</td>
<td>Nicolas Regamey (Lucerne, Switzerland), Annelies M. Zwitserloot (Groningen, Netherlands)</td>
</tr>
<tr>
<td>10:00</td>
<td>Imaging and ultrasound</td>
<td>Carolina Casini (Roma (RM), Italy), Meinrad Beer (Ulma, Germany)</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Topic</th>
<th>Speaker Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:45</td>
<td>Break</td>
<td>All Speakers</td>
<td></td>
</tr>
<tr>
<td>11:15</td>
<td>Bronchial asthma and wheezing disorders</td>
<td>Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Louise Fleming (London, United Kingdom)</td>
<td></td>
</tr>
<tr>
<td>12:00</td>
<td>Non-cystic fibrosis bronchiectasis</td>
<td>Ernst Eber (Graz, Austria), Fabio Midulla (Roma (RM), Italy)</td>
<td></td>
</tr>
<tr>
<td>12:45</td>
<td>Sleep disorders</td>
<td>Refika Hamutcu Ersu (Ottawa, Canada), Athanasios G. Kaditis (Athens, Greece)</td>
<td></td>
</tr>
</tbody>
</table>

**Lehar 3**

**Session 4 09:00 - 17:00**

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

**Aims:** By invitation only - The ERS NEXT programme provides a comprehensive training programme for ERS early career abstract presenters

**Chairs:** Sara Cuevas Ocaña (Nottingham, United Kingdom), Thomas Gille (Bobigny, France)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Topic</th>
<th>Speaker Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00</td>
<td>Welcome and overview of the day</td>
<td>Sara Cuevas Ocaña (Nottingham, United Kingdom), Thomas Gille (Bobigny, France), Monika Gappa (Düsseldorf, Germany)</td>
<td></td>
</tr>
<tr>
<td>09:15</td>
<td>Ice-breaker</td>
<td>All Speakers</td>
<td></td>
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<tr>
<td>09:30</td>
<td>Presentation skills</td>
<td>All Speakers</td>
<td></td>
</tr>
<tr>
<td>10:00</td>
<td>Presentations skills - Breakout* oral presentations beginners - Chiara, Susanne* oral presentations some experience - Mona, Maria Joana* oral presentations some experience - Sara, Dorina* posters - Matteo, Amanda</td>
<td>Chiara Premuda (Milano, Italy), Susanne Vijverberg (Amsterdam, Netherlands), Matteo Bradicich (Zurich, Switzerland), Amanda Dandanell Juul (Odense S, Denmark), Mona Lichtblau (Zürich, Switzerland), Maria Joana Pereira Catarata (Porto, Portugal), Sara Cuevas Ocaña (Nottingham, United Kingdom), Dorina Rama Esendagli (Ankara, Turkey)</td>
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<tr>
<td>11:30</td>
<td>Coffee Break</td>
<td>All Speakers</td>
<td></td>
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<tr>
<td>12:00</td>
<td>Moderating sessions</td>
<td>All Speakers</td>
<td></td>
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<tr>
<td>13:00</td>
<td>Mentoring lunch (with ERS leadership)</td>
<td>All Speakers</td>
<td></td>
</tr>
<tr>
<td>14:30</td>
<td>Keynote: Manuscript writing and publishing</td>
<td>James D. Chalmers (Dundee (Angus), United Kingdom)</td>
<td></td>
</tr>
<tr>
<td>15:00</td>
<td>Manuscript writing/publishing – Breakout Group 1 – ChiaraGroup 2 – Maria JoanaGroup 3 – DorinaGroup 4 – Amanda</td>
<td>Chiara Premuda (Milano, Italy), Maria Joana Pereira Catarata (Porto, Portugal), Dorina Rama Esendagli (Ankara, Turkey), Amanda Dandanell Juul (Odense S, Denmark)</td>
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<tr>
<td>15:30</td>
<td>Coffee Break</td>
<td>All Speakers</td>
<td></td>
</tr>
<tr>
<td>15:50</td>
<td>Complimentary skills to achieve success - round table discussions</td>
<td>Sejal Saglani (London, United Kingdom), Rory Morty (Heidelberg, Germany), Mina Gaga (Athens, Greece), Mona Lichtblau (Zürich, Switzerland)</td>
<td></td>
</tr>
<tr>
<td>16:45</td>
<td>Feedback and key take-home messages</td>
<td>Sara Cuevas Ocaña (Nottingham, United Kingdom), Thomas Gille (Bobigny, France)</td>
<td></td>
</tr>
</tbody>
</table>

**Stolz 2**

**Session 5 09:00 - 15:45**

**Academy: Academy of pulmonary rehabilitation - advanced: Part 2 - €**

Additional registration is required for this session.
**Introduction to workshops**
Ioannis Vogiatzis (Blyth, United Kingdom), Daniel Langer (Leuven, Belgium), Joana Cruz (Leiria, Portugal)  
09:00

**Field and cycling tests**
Thomas Gille (Bobigny, France), Sally J. Singh (Leicester (Leicestershire), United Kingdom), Ioannis Vogiatzis (Blyth, United Kingdom), Rachael A. Evans (Leicester (Leicestershire), United Kingdom)  
09:15

**Muscle strength tests**
Frits M.E. Franssen (Maastricht, Netherlands), Rainer Gloeckl (Schoenau am Koenigssee, Germany), Daniel Langer (Leuven, Belgium), William Man (Harefield, United Kingdom)  
09:15

**Physical activity assessment**
Heleen Demeyer (Leuven, Belgium), Fabio De Oliveira Pitta (Londrina, Brazil), Elena Gimeno-Santos (Barcelona, Spain), Joana Cruz (Leiria, Portugal)  
09:15

**Endurance training**
Frits M.E. Franssen (Maastricht, Netherlands), Heleen Demeyer (Leuven, Belgium), Ioannis Vogiatzis (Blyth, United Kingdom), Elena Gimeno-Santos (Barcelona, Spain)  
13:00

**Resistance and inspiratory muscle training**
Martijn A. Spruit (Horn, Netherlands), Andre Nyberg (Umeå, Sweden), Daniel Langer (Leuven, Belgium), William Man (Harefield, United Kingdom)  
13:00

**Physical activity coaching**
Thierry Troosters (Leuven, Belgium), Joana Cruz (Leiria, Portugal), Rainer Gloeckl (Schoenau am Koenigssee, Germany), Fabio De Oliveira Pitta (Londrina, Brazil)  
13:00

**Sleep-related disorders**
Dries Testelmans (Leuven, Belgium), Elisa Perger (Milano, Italy), Marieke L. Duiverman (Groningen, Netherlands)  
10:15

**Respiratory infections**
Andrea Gramigna (Milano (MI), Italy), Letizia Traversi (Cittiglio, Italy)  
11:15

**Pulmonary circulation**
Mona Lichtblau (Zürich, Switzerland), Gabor Kovacs (Graz, Austria)  
12:15

**Lung imaging**
Ádám Domonkos Tárnoki (Budapest, Hungary), Grace Parraga (London (ON), Canada)  
14:15

**Thoracic oncology**
Maria Joana Pereira Catarata (Porto, Portugal), Wouter H. van Geffen (Leeuwarden, Netherlands)  
16:15

**Academy: Academy of adult respiratory medicine - €**
Additional registration is required for this session.

09:00 - 17:15

**Introduction to workshops**
Sophia E. Schiza (Heraklion, Greece), Stylianos Loukides (Athens, Greece)  
09:00

**Sleep-related disorders**
Dries Testelmans (Leuven, Belgium), Elisa Perger (Milano, Italy), Marieke L. Duiverman (Groningen, Netherlands)  
09:15

**Respiratory infections**
Andrea Gramigna (Milano (MI), Italy), Letizia Traversi (Cittiglio, Italy)  
10:45

**Pulmonary circulation**
Mona Lichtblau (Zürich, Switzerland), Gabor Kovacs (Graz, Austria)  
11:45

**Lung imaging**
Ádám Domonkos Tárnoki (Budapest, Hungary), Grace Parraga (London (ON), Canada)  
14:45

**Thoracic oncology**
Maria Joana Pereira Catarata (Porto, Portugal), Wouter H. van Geffen (Leeuwarden, Netherlands)  
16:15

**News from the studio: Welcome from chairs**
Aims: To introduce the congress theme and summarise the congress programme for a day.
Studio Session 8 09:20 - 10:05

Pro-Con debate: Cracking the clot: debates on the management of high-risk pulmonary embolism

Aims: To provide clinicians who manage acute high-risk pulmonary embolism (PE) with a comprehensive and detailed framework to navigate the complex decision-making process required for effective treatment. Recognising that the landscape of PE management is continuously advancing with new research findings, treatments and guidelines, this session aims to equip healthcare professionals with the latest insights and strategies to enhance patient outcomes. To achieve this, the session will be structured around two key debates that address the most contentious and evolving topics in the field of high-risk PE management today. These debates are designed not only to present contrasting viewpoints and the latest evidence on each issue but also to stimulate critical thinking and discussion among participants.

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

Method(s): Imaging | Respiratory intensive care | Surgery

Tag(s): Clinical

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

Chairs: Gabor Kovacs (Graz, Austria), Judith Löffler-Ragg (Innsbruck, Austria)

09:20  PRO: Systemic tPA is matter of past
        Parth Rali (Philadelphia, United States)  48

09:35  CON: Systemic tPA is NOT matter of past
        Olivier Sanchez (Paris, France)  49

09:50  Discussion and Q&A
        All Speakers  50

Session 9 09:30 - 11:00

Primary care session: Digital health to improve respiratory management

Introducing new technologies to help primary healthcare

Aims: To explain the role of new technologies and digital health to improve the management of chronic respiratory conditions from the perspectives of both healthcare professionals and patients.

Disease(s): Airway diseases

Method(s): General respiratory patient care

Tag(s): Clinical, Congress theme: Humans and Machines: getting the balance right

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

Chairs: Miguel Román Rodriguez (Palma De Mallorca, Spain), Cláudia Sofia De Almeida Vicente Ferreira (Coimbra, Portugal)

09:30  ERS CONNECT: an initiative to improve respiratory management by digital systems
        Hilary Pinnock (Edinburgh, United Kingdom)  51

09:45  Smart inhalers: present or future tools to improve adherence in primary care?
        Job F.M. van Boven (Groningen, Netherlands)  52

10:00  Artificial intelligence to help decision-making in primary care
        Gabriel Garcia (City Bell, Argentina)  53

10:15  Personal management of respiratory risk factors: the role of digital platforms
        Siân Williams (London, United Kingdom)  54

10:30  Discussion and Q&A
        All Speakers  55

Session 10 09:30 - 13:00

Postgraduate course: PG3 Masterclass in asthma - €

Additional registration is required for this session.

Aims: To describe the pathophysiology of asthma; to provide an update on asthma diagnosis, assessment and monitoring of the late treatment options, and the role of comorbidities in uncontrolled asthma.
Disease(s): Airway diseases
Method(s): Physiology
Target audience: Adult pulmonologist/Clinician, Medical Student, Nurse, Physician in Pulmonary Training
Chairs: Apostolos Bossios (Stockholm, Sweden), Omar S. Usmani (London, United Kingdom)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:30</td>
<td>Asthma pathophysiology from a clinical perspective: recognise the underlying endotype</td>
<td>Celeste Michala Porsbjerg (Copenhagen, Denmark)</td>
</tr>
<tr>
<td>09:50</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
</tr>
<tr>
<td>10:00</td>
<td>Diagnosing, assessing and monitoring different asthma phenotypes: current pitfalls and challenges</td>
<td>Fabio L. M. Ricciardolo (Torino, Italy)</td>
</tr>
<tr>
<td>10:20</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
</tr>
<tr>
<td>10:30</td>
<td>Endotype-driven therapy for the asthma patient: moving to precision medicine in asthma</td>
<td>Sally Wenzel (Pittsburgh, United States)</td>
</tr>
<tr>
<td>10:50</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
</tr>
<tr>
<td>11:00</td>
<td>The role of comorbidities in uncontrolled and difficult-to-treat asthma: the role of the underlying phenotype</td>
<td>Ramesh J. Kurukulaaratchy (Southampton, United Kingdom)</td>
</tr>
<tr>
<td>11:20</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
</tr>
<tr>
<td>11:30</td>
<td>Break</td>
<td>All Speakers</td>
</tr>
<tr>
<td>12:00</td>
<td>Group assignment</td>
<td>All Speakers</td>
</tr>
</tbody>
</table>

C6 Session 11 09:30 - 11:00

Language session: Chinese Programme 2024
ERS/CTS joint session

Aims: To present an overview of hot respiratory disease topics in Europe and China. This session will be delivered in English and translated in Chinese for the online audience.

Disease(s): Airway diseases, Sleep and breathing disorders
Method(s): General respiratory patient care
Tag(s): Clinical
Target audience: Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Physician in Pulmonary Training, Respiratory therapist
Chairs: Jieming Qu (Shanghai, China), Silke Ryan (Dublin, Ireland)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:30</td>
<td>Mild Asthma and Atypical Asthma, how to improve the diagnosis and treatment</td>
<td>Min Zhang (Shanghai, China)</td>
</tr>
<tr>
<td>09:45</td>
<td>Management of severe asthma and its comorbidities. Towards a personalized approach.</td>
<td>Anneke ten Brinke (Leeuwarden, Netherlands)</td>
</tr>
<tr>
<td>10:00</td>
<td>Implication of novel measures to evaluate the severity of obstructive sleep apnea comorbidized with cardiovascular diseases</td>
<td>Yi Xiao (Beijing, China)</td>
</tr>
<tr>
<td>10:15</td>
<td>Potential of the different measurement parameters of nocturnal hypoxemia in cardiovascular risk stratification.</td>
<td>Speaker to be confirmed</td>
</tr>
<tr>
<td>10:30</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
</tr>
</tbody>
</table>
### C3  Session 12  09:30 - 13:00

**Postgraduate course: PG4 Early diagnosis and management of interstitial lung diseases - €**

Additional registration is required for this session.

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

**Chairs:** Maria Molina Molina (Barcelona, Spain), Nazia Chaudhuri (Limavady, United Kingdom)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:30</td>
<td>Early suspicion of interstitial lung disease</td>
<td>Peter George (London, United Kingdom)</td>
</tr>
<tr>
<td>09:45</td>
<td>Early diagnosis of interstitial lung disease</td>
<td>Claudia Ravaglia (Forlì, Italy)</td>
</tr>
<tr>
<td>10:00</td>
<td>Panel discussion and Q&amp;A</td>
<td>All Speakers</td>
</tr>
<tr>
<td>10:30</td>
<td>Break</td>
<td>All Speakers</td>
</tr>
<tr>
<td>11:00</td>
<td>Early recognition of comorbidities and impact on survival of patients with interstitial lung disease</td>
<td>GEORGE MARGARITOPoulos (Thessaloniki, Greece)</td>
</tr>
<tr>
<td>11:15</td>
<td>Connective tissue disorder-associated interstitial lung disease</td>
<td>Anna Maria Hoffmann-Vold (Oslo, Norway)</td>
</tr>
<tr>
<td>11:30</td>
<td>Panel discussion and Q&amp;A</td>
<td>All Speakers</td>
</tr>
<tr>
<td>12:00</td>
<td>Clinical cases discussion: connective tissue disorder / genetics / interstitial lung abnormality / familial interstitial lung disease</td>
<td>Pilar Rivera Ortega (Manchester, United Kingdom)</td>
</tr>
<tr>
<td>12:30</td>
<td>Clinical cases discussion: interstitial lung disease and lung cancer</td>
<td>ARGyris Tzouvelekis (Patras, Greece)</td>
</tr>
</tbody>
</table>

### A1  Session 13  09:30 - 13:00

**Postgraduate course: PG6 Pulmonary hypertension - €**

Additional registration is required for this session.

**Aims:** To present the updated and new clinical data and recommendations from the last seven world symposia on pulmonary hypertension including pulmonary hypertension associated with chronic lung diseases, the principles of treatment of right heart failure, and an emerging multimodality imaging technique of the pulmonary circulation and diagnostic and treatment strategies for chronic thromboembolic pulmonary hypertension (CTEPH); To provide not only thorough and comprehensive updates on different aspects of pulmonary hypertension and cover meaningful diagnostic and therapeutic algorithms, but to also enable fruitful clinical discussion between experts and participants. The presentations will include interactive case studies.

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

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

**Target audience:** Adult pulmonologist/Clinician, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Patient, Radiologist

**Chairs:** Yochai Adir (Haifa, Israel), Athénaïs Boucly (London, United Kingdom)

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<thead>
<tr>
<th>Time</th>
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<th>Speaker(s)</th>
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<tbody>
<tr>
<td>09:30</td>
<td>Pulmonary hypertension associated with chronic lung diseases</td>
<td>Isabel Blanco Vich (Barcelona, Spain)</td>
</tr>
<tr>
<td>09:50</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
</tr>
<tr>
<td>10:00</td>
<td>Principles of treatment of right heart failure</td>
<td>John Granton (Toronto (ON), Canada)</td>
</tr>
<tr>
<td>10:20</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
</tr>
<tr>
<td>10:30</td>
<td>Emerging multimodality imaging techniques of the pulmonary circulation</td>
<td>David Kiely (Sheffield (South Yorkshire), United Kingdom)</td>
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<tr>
<td>10:50</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
</tr>
</tbody>
</table>
### A3 Session 14  09:30 - 13:00

**Postgraduate course: PG7 Interpretation of lung function results in adults and children - €**  
*Additional registration is required for this session.*

**Aims:** To explain the reasons for the new interpretive strategies; to explain how interpretation is structured; to describe how to apply these strategies in real cases including children.

**Disease(s):** Airway diseases, Interstitial lung diseases, Paediatric respiratory diseases

**Method(s):** General respiratory patient care, Physiology, Pulmonary function testing

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Paediatrician, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist

**Chairs:** Andrea Aliverti (Milan, Italy), Jellien Makonga-Braaksma (Woudenberg, Netherlands)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker/Details</th>
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</thead>
<tbody>
<tr>
<td>09:30</td>
<td>Interpretation of lung volumes</td>
<td>Sanja Stanojevic (Halifax (NS), Canada)</td>
</tr>
<tr>
<td>09:50</td>
<td>Q&amp;A</td>
<td>All Speakers</td>
</tr>
<tr>
<td>10:00</td>
<td>Case discussion: Interpretation of lung volumes</td>
<td>All Speakers</td>
</tr>
<tr>
<td>10:15</td>
<td>Interpretation of reversibility</td>
<td>Vicky Moore (Coventry, United Kingdom)</td>
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<tr>
<td>10:35</td>
<td>Q&amp;A</td>
<td>All Speakers</td>
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<tr>
<td>10:45</td>
<td>Case discussion: Interpretation of reversibility</td>
<td>All Speakers</td>
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<tr>
<td>11:00</td>
<td>Break</td>
<td>All Speakers</td>
</tr>
<tr>
<td>11:20</td>
<td>Interpretation of diffusion capacity</td>
<td>Jörg Leuppi (Liestal, Switzerland)</td>
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<tr>
<td>11:40</td>
<td>Q&amp;A</td>
<td>All Speakers</td>
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<tr>
<td>11:50</td>
<td>Case discussion: Interpretation of diffusion capacity</td>
<td>Jörg Leuppi (Liestal, Switzerland)</td>
</tr>
<tr>
<td>12:05</td>
<td>Interpretation of lung function results in children</td>
<td>Nicole Beydon (Paris, France)</td>
</tr>
<tr>
<td>12:25</td>
<td>Q&amp;A</td>
<td>All Speakers</td>
</tr>
<tr>
<td>12:35</td>
<td>Case discussion: Interpretation of lung function results in children</td>
<td>Nicole Beydon (Paris, France)</td>
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<tr>
<td>12:50</td>
<td>Final remarks</td>
<td>All Speakers</td>
</tr>
</tbody>
</table>
Postgraduate course: PG1 Thoracic ultrasound - €

Additional registration is required for this session.

**Aims:** Expanding your ultrasound skills beyond the pleura and lungs and advanced ultrasound-guided procedures: To provide a solid theoretical framework for development of skills in ultrasonography; to encourage evidence-based practice where possible; to highlight the utility of thoracic ultrasonography for purposes other than identification of pleural fluid, including assessment of other thoracic structures; to describe methods of safely performing thoracic interventions (including image-guided pleural biopsies) after suitable training;

**Method(s):** Imaging

**Chairs:** Rahul Bhatnagar (Bristol, United Kingdom), Beenish Iqbal (Oxford, United Kingdom), Najib M. Rahman (ABINGDON, United Kingdom), Radhika Banka (Mumbai (Maharashtra), India)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:30</td>
<td>Welcome and introduction</td>
<td>Beenish Iqbal (Oxford, United Kingdom)</td>
<td>104</td>
</tr>
<tr>
<td>09:40</td>
<td>Focused cardiac ultrasound</td>
<td>Casper Falster (Odense, Denmark)</td>
<td>105</td>
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<tr>
<td>10:00</td>
<td>Case: Focused cardiac ultrasound</td>
<td>All Speakers</td>
<td>106</td>
</tr>
<tr>
<td>10:10</td>
<td>Limited compression ultrasonography of the deep veins for deep vein thrombosis assessment</td>
<td>Pia Iben Pietersen (Odense C, Denmark)</td>
<td>107</td>
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<tr>
<td>10:30</td>
<td>Case: Limited compression ultrasonography</td>
<td>All Speakers</td>
<td>108</td>
</tr>
<tr>
<td>10:40</td>
<td>Ultrasound assessment of the diaphragm</td>
<td>Søren Helbo Skaarup (Aarhus C, Denmark)</td>
<td>109</td>
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<tr>
<td>11:00</td>
<td>Case: Ultrasound assessment of the diaphragm</td>
<td>All Speakers</td>
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<tr>
<td>11:10</td>
<td>Q&amp;A</td>
<td>All Speakers</td>
<td>111</td>
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<tr>
<td>11:20</td>
<td>Coffee break</td>
<td>All Speakers</td>
<td>112</td>
</tr>
<tr>
<td>11:40</td>
<td>Use of thoracic ultrasound in an intensive care unit</td>
<td>Silvia Mongodi (Pavia, Italy)</td>
<td>113</td>
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<tr>
<td>12:00</td>
<td>Case: Use of thoracic ultrasound in an intensive care unit</td>
<td>All Speakers</td>
<td>114</td>
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<tr>
<td>12:10</td>
<td>Use of thoracic ultrasound in an interstitial lung disease clinic</td>
<td>Jesper Rømhild Davidsen (Odense C, Denmark)</td>
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<tr>
<td>12:30</td>
<td>Case: Use of thoracic ultrasound in an interstitial lung disease clinic</td>
<td>All Speakers</td>
<td>116</td>
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<tr>
<td>12:40</td>
<td>Use of evidence-based training principles in thoracic ultrasound in a department</td>
<td>Pia Iben Pietersen (Odense C, Denmark)</td>
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<tr>
<td>13:00</td>
<td>Case: Use of evidence-based training principles in thoracic ultrasound in a department</td>
<td>All Speakers</td>
<td>118</td>
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<tr>
<td>13:10</td>
<td>Q&amp;A</td>
<td>All Speakers</td>
<td>119</td>
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<tr>
<td>13:20</td>
<td>Lunch break</td>
<td>All Speakers</td>
<td>120</td>
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<tr>
<td>14:00</td>
<td>Advanced thoracic ultrasound for assessment of patients with pleural disease</td>
<td>Eihab Bedawi (Sheffield, United Kingdom)</td>
<td>121</td>
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<tr>
<td>14:20</td>
<td>Case: Advanced thoracic ultrasound for assessment of patients with pleural disease</td>
<td>All Speakers</td>
<td>122</td>
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<td>Time</td>
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<td>14:30</td>
<td>Advanced thoracic ultrasound for assessment of patients with chest opacity</td>
<td>Christian B. Laursen (Odense M, Denmark)</td>
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<tr>
<td>14:50</td>
<td>Case: Advanced thoracic ultrasound for assessment of patients with chest opacity</td>
<td>All Speakers</td>
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<td>15:00</td>
<td>Q&amp;A</td>
<td>All Speakers</td>
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<td>15:10</td>
<td>Break</td>
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<tr>
<td>15:30</td>
<td>Ultrasound-guided biopsy of the pleura</td>
<td>Dinesh Addala (Oxford, United Kingdom)</td>
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<td>15:50</td>
<td>Case: Ultrasound-guided biopsy of the pleura</td>
<td>All Speakers</td>
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<tr>
<td>16:00</td>
<td>Ultrasound-guided biopsy of lymph nodes</td>
<td>Anand Sundaralingam (Oxford, United Kingdom)</td>
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<tr>
<td>16:20</td>
<td>Case: Ultrasound-guided biopsy of lymph nodes</td>
<td>All Speakers</td>
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<tr>
<td>16:30</td>
<td>Break</td>
<td>All Speakers</td>
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<tr>
<td>16:50</td>
<td>Ultrasound-guided biopsy of the lung</td>
<td>Małgorzata Jelitto (Poland)</td>
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<td>17:10</td>
<td>Case: Ultrasound-guided biopsy of the lung</td>
<td>All Speakers</td>
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<td>17:20</td>
<td>Thoracic ultrasound for advanced procedure guidance</td>
<td>Wui Mei Chew (Singapore, Singapore)</td>
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<tr>
<td>17:40</td>
<td>Case: Thoracic ultrasound for advanced procedure guidance</td>
<td>All Speakers</td>
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<td>17:50</td>
<td>Q&amp;A</td>
<td>All Speakers</td>
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**Strauss 2  Session 16  09:30 - 17:30**

**Postgraduate course: PG2 Sleep-disordered breathing - €**
Additional registration is required for this session.

**Aims**: Phenotypes of sleep-disordered breathing in different comorbidities and diagnosis and management of sleep-disordered breathing: To explain the importance of distinguishing different central sleep apnoea phenotypes and associated syndromes; to compare the diagnostic and therapeutic aspects of obesity hypoventilation with or without obstructive sleep apnoea; to provide an update on various aspects of sleep-disordered breathing in patients with pulmonary vascular disease; to discuss the occurrence and significance of obstructive sleep apnoea and other types of sleep-disordered breathing in patients with neuromuscular and chest wall disorders; to describe available diagnostic tools for obstructive sleep apnoea and to explain their indications, advantages and drawbacks; to discuss the appropriate selection of different positive airway pressure modalities; to summarise and explain supportive care and rehabilitation strategies; to compare different follow-up strategies for patients with sleep-disordered breathing and to describe their application in the clinical context.

**Disease(s)**: Pulmonary vascular diseases, Respiratory critical care, Sleep and breathing disorders

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

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

**Chairs**: Sophia E. Schiza (Heraklion, Greece), Manuel Sanchez De La Torre (Toledo, Spain), Esther Irene Schwarz (Zürich, Switzerland), Matteo SICILIANO (ROMA, Italy)

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<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>09:30</td>
<td>Central sleep apnoea phenotypes and different central sleep apnoea syndromes</td>
<td>Renaud Tamsier (Grenoble, France)</td>
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<tr>
<td>09:50</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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</tbody>
</table>
10:00  Obesity hypoventilation syndrome with and without obstructive sleep apnoea
       Christopher Turnbull (Oxford (Oxfordshire), United Kingdom)
10:20  Discussion and Q&A
       All Speakers
10:30  Break
       All Speakers
11:00  Sleep-disordered breathing in pulmonary vascular disease
       Silvia Ulrich (Zurich, Switzerland)
11:20  Discussion and Q&A
       All Speakers
11:30  Obstructive sleep apnoea and other types of sleep-disordered breathing in neuromuscular and chest wall disorders
       Esther Irene Schwarz (Zürich, Switzerland)
11:50  Discussion and Q&A
       All Speakers
12:00  Group assignment - Part 1
       Renaud Tamisier (Grenoble, France), Christopher Turnbull (Oxford (Oxfordshire), United Kingdom), Silvia Ulrich (Zurich, Switzerland), Esther Irene Schwarz (Zürich, Switzerland)
13:00  Lunch break
       All Speakers
14:00  Diagnostic procedures in obstructive sleep apnoea: from conventional methods to new technologies
       Raphael Heinzer (Lausanne, Switzerland)
14:20  Discussion and Q&A
       All Speakers
14:30  Different positive airway pressure modalities: which one for which patient?
       Dries Testelmans (Leuven, Belgium)
14:50  Discussion and Q&A
       All Speakers
15:00  Supportive care and rehabilitation strategies in sleep-disordered breathing
       Monique Mendelson (Grenoble, France)
15:20  Discussion and Q&A
       All Speakers
15:30  Follow-up strategies for sleep-disordered breathing
       Elisa Perger (Milano, Italy)
15:50  Discussion and Q&A
       All Speakers
16:00  Break
       All Speakers
16:30  Group assignment - Part 2
       Raphael Heinzer (Lausanne, Switzerland), Dries Testelmans (Leuven, Belgium), Elisa Perger (Milano, Italy), Monique Mendelson (Grenoble, France)

Outside the congress centre

Session 18  10:00 - 11:00
Public: Healthy Lungs for Life spirometry testing - opening ceremony
Chairs : Monika Gappa (Düsseldorf, Germany)
# Session 19: Getting the balance right: the ethics of artificial intelligence in clinical decision-making

**Congress theme:** Getting the balance right: the ethics of artificial intelligence in clinical decision-making  
**Aims:** To explore ethical challenges of using artificial intelligence (AI) in clinical decision-making.  
**Tag(s):** Congress theme: Humans and Machines: getting the balance right  
**Chairs:** Walter De Wever (Leuven, Belgium), Helmut Prosch (Wien, Austria), Io Hui (Edinburgh, Edinburgh), United Kingdom  

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker</th>
<th>Notes</th>
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<tbody>
<tr>
<td>10:30</td>
<td>AI and decision-making: the ethicist’s view</td>
<td>Speaker to be confirmed</td>
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<tr>
<td>10:45</td>
<td>AI and decision-making: the clinician’s view</td>
<td>Speaker to be confirmed</td>
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<tr>
<td>11:00</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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# Session 21: ELF Patient Organisation Networking Day - by invitation only

**Aims:** By invitation only  
**Chairs:** Dimitris Kontopidis (ATHENS, Greece)  

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker</th>
<th>Notes</th>
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<tbody>
<tr>
<td>10:45</td>
<td>Welcome</td>
<td>Dimitris Kontopidis (ATHENS, Greece)</td>
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<tr>
<td>10:55</td>
<td>Networking activity</td>
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<tr>
<td>11:15</td>
<td>Patient video</td>
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<tr>
<td>11:20</td>
<td>Introduction to morning session</td>
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<tr>
<td>11:25</td>
<td>Keynote 1</td>
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<tr>
<td>11:40</td>
<td>Keynote 2</td>
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<td>11:50</td>
<td>Comfort break</td>
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<tr>
<td>12:05</td>
<td>Patient Organisation talk 1</td>
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<td>12:15</td>
<td>Patient Organisation Talk 2</td>
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<td>12:25</td>
<td>Patient Organisation talk 3</td>
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<tr>
<td>12:35</td>
<td>Panel discussion and Q&amp;A</td>
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<td>13:05</td>
<td>Lunch break and networking (including 2 videos to be shown 13:05-13:15 and 13:55-14:05)</td>
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<tr>
<td>14:05</td>
<td>Introduction to afternoon session</td>
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<td>14:10</td>
<td>Breakout discussion groups</td>
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<td>15:05</td>
<td>Plenary</td>
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<td>15:20</td>
<td>Comfort break</td>
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<tr>
<td>15:30</td>
<td>Breakout discussion groups: action planning</td>
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<tr>
<td>16:15</td>
<td>Plenary</td>
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<td>16:30</td>
<td>ERS President address</td>
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<td>16:40</td>
<td>Closing</td>
<td>Dimitris Kontopidis (ATHENS, Greece)</td>
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C5  
**Session 23  
11:15 - 12:45**

**Primary care session: First-line essential interventions for appropriate primary respiratory care**

**Aims:** To review essential interventions for appropriate primary respiratory care that are sometimes forgotten because they go further than diagnosis and pharmacological management.

**Disease(s):** Airway diseases

**Method(s):** General respiratory patient care, Public health

**Tag(s):** Clinical

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

**Chairs:** Miguel Román Rodríguez (Palma De Mallorca, Spain), Cláudia Sofia De Almeida Vicente Ferreira (Coimbra, Portugal)

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
<th>Page</th>
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<tbody>
<tr>
<td>11:15</td>
<td>The importance of frailty assessment and management in COPD patients</td>
<td>Ioanna Tsiligianni (Heraklion (Crete), Greece)</td>
<td>183</td>
</tr>
<tr>
<td>11:30</td>
<td>How to best implement motivational communication in our day-to-day primary care respiratory consultations</td>
<td>Kim Lavoie (Montréal (QC), Canada)</td>
<td>184</td>
</tr>
<tr>
<td>11:45</td>
<td>How to deal with polypharmacy in respiratory primary healthcare</td>
<td>Frances Mair (Glasgow, United Kingdom)</td>
<td>185</td>
</tr>
<tr>
<td>12:00</td>
<td>The main role of vaccination in primary care for respiratory infection prevention</td>
<td>Rui Manuel Peixoto Da Costa (Porto, Portugal)</td>
<td>186</td>
</tr>
<tr>
<td>12:15</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
<td>187</td>
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C6  
**Session 24  
11:15 - 12:45**

**Language session: French programme 2024**

A joint ERS/SPLF session

**Aims:** News in respiratory diseases. This session will be delivered in French and translated in English for the online audience.

**Disease(s):** Pulmonary vascular diseases, Respiratory infections, Thoracic oncology

**Tag(s):** Clinical

**Target audience:** Adult pulmonologist/Clinician, Medical Student

**Chairs:** Jesus Gonzalez Bermejo (Montlignon, France), Maeva Zysman (cabanac et villagrains, France)

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<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
<th>Page</th>
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<tbody>
<tr>
<td>11:15</td>
<td>PRISm and pre-COPD : new concepts / PRISm et pré-BPCO : nouveaux concepts</td>
<td>Gaëtan Deslee (Reims, France)</td>
<td>188</td>
</tr>
<tr>
<td>11:25</td>
<td>Anti-asthma vaccination / Vaccination anti-asthmatic</td>
<td>Laurent Guilleminault (Toulouse Cedex, France)</td>
<td>189</td>
</tr>
<tr>
<td>11:35</td>
<td>Community acquired pneumonia : what’s new with 2024 recommendations / Pneumonies aiguës communautaires : ce que changent les nouvelles recommandations</td>
<td>Claire Andrejak (Amiens, France)</td>
<td>190</td>
</tr>
<tr>
<td>11:45</td>
<td>Sickle cell anemia : a chronic respiratory disease ? / La drépanocytose : une maladie respiratoire chronique ?</td>
<td>Bernard Maitre (Créteil Cedex, France)</td>
<td>191</td>
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<tr>
<td>Time</td>
<td>Session</td>
<td>Title</td>
<td>Speaker</td>
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<td>12:05</td>
<td></td>
<td>News on the perioperative management of non-small cell lung cancers –</td>
<td>Virginie Westeel (Besançon, France)</td>
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<td>forme immunotherapy to targeted therapies / Actualité de la prise en</td>
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<td>charte péri-opératoire des cancers bronchiques non à petites cellules –</td>
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<td>de l’immunothérapie aux thérapies ciblées</td>
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<td>12:15</td>
<td></td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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<tr>
<td>11:30</td>
<td>Session 26</td>
<td>Experts interview: Ultra-high-resolution photon-counting computed</td>
<td>Jonas Kroschke (Zürich, Switzerland)</td>
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<td>tomography imaging of the chest: A new era for morphology and</td>
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<td>Method(s) : Imaging</td>
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<td>Tag(s) : Congress theme: Humans and Machines: getting the balance</td>
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<td>Chairs : Walter De Wever (Leuven, Belgium), Helmut Prosch (Wien,</td>
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<td>Austria), Jo Hui (Edinburgh, United Kingdom)</td>
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<td>11:45</td>
<td>Session 28</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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<tr>
<td>12:25</td>
<td>Session 28</td>
<td>Experts interview: When the clinician meets the basic scientist:</td>
<td>James D. Chalmers (Dundee (Angus), United Kingdom)</td>
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<td></td>
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<td>translational science</td>
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<td>Aims : To discuss the differences in understanding of disease; to</td>
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<td>explain the gaps in knowledge that need to be filled in order to</td>
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<td>facilitate the correct treatment; to discuss how fruitful and</td>
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<td>stimulating interactions between clinical and basic scientists that</td>
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<td>drive advancement of diagnosis and therapies can be enabled.</td>
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<td>Disease(s) : Airway diseases</td>
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<td>Tag(s) : Translational</td>
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<td>Chairs : Silke Meiners (Sülfeld, Germany)</td>
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<td>12:40</td>
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<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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<td>13:45</td>
<td>Session 31</td>
<td>Paediatric day: Beyond wheezing and asthma in children</td>
<td>Alexander Möller (Zürich, Switzerland), Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Susanne Vijverberg (Amsterdam, Netherlands)</td>
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<td>Aims : To present increasing evidence of clinical traits that may</td>
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<td>predict asthma; to discuss the new respiratory syncytial virus (RSV)</td>
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<td>vaccine which has the potential to change the epidemiology of RSV</td>
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<td>infections in infants and newborns and may also impact asthma</td>
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<td>development; to discus potential impacts; to discuss the Global</td>
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<td>Initiative for Asthma guidelines that provide evidence-based</td>
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<td>recommendations for the treatment of asthma and related controversy</td>
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<td>about how to implement these recommendations in daily practice.</td>
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<td>Disease(s) : Airway diseases</td>
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<td>Paediatric respiratory diseases</td>
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<td>Respiratory infections</td>
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<td>Method(s) : Epidemiology General respiratory patient care</td>
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<td>Physiology</td>
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<td>Tag(s) : Clinical</td>
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<td>Target audience : Adult pulmonologist/Clinician, Medical Student,</td>
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<td></td>
<td>Nurse, Paediatrician, Physician in Pulmonary Training, Physiologist,</td>
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<td>Respiratory physiotherapist</td>
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<td>Chairs : Alexander Möller (Zürich, Switzerland), Marielle W.H.</td>
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<td>Pijnenburg (Rotterdam, Netherlands), Susanne Vijverberg (Amsterdam,</td>
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<td></td>
<td>Netherlands)</td>
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<tr>
<td>13:45</td>
<td></td>
<td>Can we predict who has asthma among preschool children with</td>
<td>Sejal Saglani (London, United Kingdom)</td>
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<td></td>
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<td>wheezing?</td>
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<td>14:00</td>
<td></td>
<td>Will the new respiratory syncytial virus vaccination change the</td>
<td>Fabio Midulla (Roma (RM), Italy)</td>
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<td>epidemiology and our practice?</td>
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<tr>
<td>14:15</td>
<td></td>
<td>Imaging of congenital airway and lung malformations</td>
<td>Pierluigi Ciet (Rotterdam, Netherlands)</td>
</tr>
</tbody>
</table>
Session 32 14:00 - 17:30

Postgraduate course: PG8 Masterclass in chronic obstructive pulmonary disease - €

Additional registration is required for this session.

**Aims:** To provide an update on the latest findings about the pathophysiology, diagnosis, assessment and monitoring of chronic obstructive pulmonary disease (COPD), the latest pharmacological treatment, and co- and multimorbidity in patients with COPD.

**Disease(s):** Airway diseases

**Method(s):** Physiology

**Target audience:** Adult pulmonologist/Clinician, Medical Student, Medical Technical Assistant, Nurse, Physician in Pulmonary Training

**Chairs:** Florence Schleich (Liège, Belgium), Alexander Mathioudakis (Manchester, United Kingdom)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker/Details</th>
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<tbody>
<tr>
<td>14:00</td>
<td>Pathophysiological basis of COPD in different exposomes</td>
<td>Maarten van den Berge (Groningen, Netherlands)</td>
</tr>
<tr>
<td>14:20</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
</tr>
<tr>
<td>14:30</td>
<td>Diagnosis, assessment, and monitoring of COPD, from Pre-COPD and early-COPD to preserved ratio impaired spirometry and COPD</td>
<td>Francesca Polverino (Houston, United States)</td>
</tr>
<tr>
<td>14:50</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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<tr>
<td>15:00</td>
<td>Current and future pharmacological treatment of different COPD phenotypes: from non-pharmacological interventions to the biologies era</td>
<td>Dave Singh (Manchester, United Kingdom)</td>
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<tr>
<td>15:20</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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<tr>
<td>15:30</td>
<td>COPD, exacerbations and cardiovascular disease: looking at the big picture to help our patients</td>
<td>Andriana Papaioannou (Vrilissia (Athens), Greece)</td>
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<tr>
<td>15:50</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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<tr>
<td>16:00</td>
<td>Break</td>
<td>All Speakers</td>
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<tr>
<td>16:30</td>
<td>Group assignment</td>
<td>Dave Singh (Manchester, United Kingdom), Andriana Papaioannou (Vrilissia (Athens), Greece)</td>
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</tbody>
</table>

Session 33 14:00 - 15:30

Language session: Spanish/Portuguese programme 2024

Emergencies in Pulmonology. A joint ERS/ALAT/SBPT/SEPAR/SPP session

**Aims:** The session aims to approach emergency situations in clinical practice of pulmonologists, dealing with frequency, importance and management of this situations. This session will be delivered in Spanish and Portuguese.

**Disease(s):** Airway diseases, Pulmonary vascular diseases, Thoracic oncology

**Method(s):** Epidemiology, 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

**Chairs:** Octávio Messeder (Salvador (BA), Brazil), Valeria Maria Augusto (Belo Horizonte (MG), Brazil)

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<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker/Details</th>
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<tbody>
<tr>
<td>14:00</td>
<td>Prevalence, risk factors and clinical characteristics of tromboembolism in acute exacerbations of copd</td>
<td>Arturo Humberto Huerta Garcia (Barcelona, Spain)</td>
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<tr>
<td>14:15</td>
<td>Severe Community-Acquired Pneumonia</td>
<td>Francisco Arancibia Hernandez (Santiago de Chile, Chile)</td>
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<td>Time</td>
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<td>14:00</td>
<td>A2</td>
<td>Postgraduate course: PG5 How to improve the success of non-invasive respiratory support therapies - €</td>
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<td>Additional registration is required for this session.</td>
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<td><strong>Aims:</strong> To discuss the best practices in non-invasive respiratory support therapies for patients with acute and chronic respiratory failure; to review new developments in non-invasive respiratory support therapies (from high-flow nasal oxygen therapy to non-invasive ventilation).</td>
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<td><strong>Disease(s):</strong> Airway diseases, Respiratory critical care, Sleep and breathing disorders</td>
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<td><strong>Target audience:</strong> Adult pulmonologist/Clinician, Nurse, Respiratory critical care physician, Respiratory physiotherapist, Respiratory therapist</td>
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<td><strong>Chairs:</strong> Marieke L. Duiverman (Groningen, Netherlands), Christoph Fisser (Regensburg, Germany)</td>
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<td>14:00</td>
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<td>Non-invasive respiratory support therapies in the hypoxemic patient: indications and limitations</td>
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<td>14:20</td>
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<td>Discussion and Q&amp;A</td>
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<td>14:30</td>
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<td>Non-invasive respiratory support therapies in the acute setting: how to improve the success rate of weaning</td>
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<td>Discussion and Q&amp;A</td>
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<td>15:00</td>
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<td>Group assignment - Part 1</td>
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<td>15:30</td>
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<td>Break</td>
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<tr>
<td>16:00</td>
<td></td>
<td>Non-invasive respiratory support in acute and chronic COPD</td>
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<td>16:20</td>
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<td>Discussion and Q&amp;A</td>
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<td>16:30</td>
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<td>Non-invasive respiratory support therapies in the chronic setting: how to optimise the patient-ventilator interaction</td>
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<td>16:50</td>
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<td>Discussion and Q&amp;A</td>
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<td>17:00</td>
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<td>Group assignment - Part 2</td>
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</table>

**C3  Session 35  14:00 - 17:30**

Postgraduate course: PG9 Cardiopulmonary exercise testing to evaluate unexplained breathlessness - €

Additional registration is required for this session.

**Aims:** To explain the role of cardiopulmonary exercise testing (CPET) as the optimal tool to evaluate exertional dyspnoea; to describe the physiological patterns that can be identified by CPET in the assessment of exertional breathlessness; to explain how to utilise CPET in order to differentiate between cardiac, respiratory, vascular, peripheral and other causes of unexplained breathlessness.
### Session 36

**14:00 - 17:30**

**Postgraduate course: PG10 Management of respiratory infection: lessons learnt from ECRAID-Base clinical trials - €**

*Additional registration is required for this session.*

**Aims:** To present the most relevant findings of this multi-study European project; to provide the latest “state of the art” in evidence-based research of respiratory infections.

<table>
<thead>
<tr>
<th>Disease(s):</th>
<th>Respiratory critical care</th>
<th>Respiratory infections</th>
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<tbody>
<tr>
<td>Method(s):</td>
<td>Epidemiology</td>
<td>General respiratory patient care</td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter</th>
<th>Page</th>
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<tbody>
<tr>
<td>14:00</td>
<td>The landscape of adaptive platform trials in critical care: the case of REMAP-CAP (Randomised, Embedded, Multi-factorial, Adaptive Platform trial for Community-Acquired Pneumonia)</td>
<td>Lennie P. G. Derde (Utrecht, Netherlands)</td>
<td>243</td>
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<tr>
<td>14:20</td>
<td>Q&amp;A</td>
<td>All Speakers</td>
<td>244</td>
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<tr>
<td>14:30</td>
<td>Perpetual observational study in acute respiratory infections in a primary care setting (POS-ARI-PC)</td>
<td>Nguyen Tran (Oxford, United Kingdom)</td>
<td>245</td>
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<tr>
<td>14:50</td>
<td>Q&amp;A</td>
<td>All Speakers</td>
<td>246</td>
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<tr>
<td>15:00</td>
<td>What do we need to rapidly implement clinical trials in ventilator-associated pneumonia?</td>
<td>Ana Catalina Hernandez Padilla (Limoges, France)</td>
<td>247</td>
</tr>
</tbody>
</table>
### A3  
**Session 37**  
**14:00 - 17:30**  

**Postgraduate course: PG11 The latest developments in culture models for respiratory research - €**  
Additional registration is required for this session.  

**Aims:** To describe the latest developments in in vitro and ex vivo culturing techniques; to explain how these novel state-of-the-art culturing techniques can be utilised to advance respiratory research.  

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

**Method(s):** Cell and molecular biology, Physiology  

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

**Chairs:** Silke Meiners (Sülfeld, Germany), H. Irene Heijink (Groningen, Netherlands)  

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tr>
<td>14:00</td>
<td>Novel open-source chip models to study lung epithelial repair responses and inter-organ communication</td>
<td>Simon D. Pouwels (Zuidhorn, Netherlands)</td>
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<td>14:20</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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<td>14:30</td>
<td>3D bronchial epithelial cells models to study cystic fibrosis and host pathogen interactions</td>
<td>Aurélie Crabbé (Ghent, Belgium)</td>
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<td>14:50</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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<td>15:00</td>
<td>Next-generation lung organoids: modelling vascularised alveolar regions of the distal lung</td>
<td>Anna Krasnodembskaya (Belfast (Belfast), United Kingdom)</td>
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<td>15:20</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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<tr>
<td>15:30</td>
<td>Implementing mechanobiology into advanced three-dimensional models to study airway diseases</td>
<td>Janna Nawroth (Munich, Germany)</td>
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<td>15:50</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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<td>16:00</td>
<td>Break</td>
<td>All Speakers</td>
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<td>16:30</td>
<td>Group assignment</td>
<td>All Speakers</td>
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### Lehrar 2  
**Session 38**  
**14:00 - 17:30**  

**Postgraduate course: PG12 Tissue and targets in lung cancer - €**  
Additional registration is required for this session.  

**Aims:** to identify optimal route to tissue acquisition in lung cancer, 2. to discuss referral indications for molecular testing, differentiate and interpret appropriate reports 3. to identify and treat common targetable mutations 4. to discuss and compare neo+/-adjuvant versus both and provide up to date algorithms for real life clinical situations.
Disease(s): Thoracic oncology
Method(s): Endoscopy and interventional pulmonology, General respiratory patient care, Imaging
Target audience: Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Respiratory therapist, Journalist
Chairs: Eric Daniel Tenda (Jakarta, Indonesia), Vincent Fallet (Paris, France)

14:00 Optimal route to tissue acquisition according to clinical stage and treatment options in lung cancer
Anneloes L. Noordhof (Leeuwarden, Netherlands)

14:20 Discussion and Q&A
All Speakers

14:30 Molecular testing in stage I-IV; indications and interpretation of results
Joanna Chorostowska-Wynimko (Warsaw, Poland)

14:50 Discussion and Q&A
All Speakers

15:00 Treatment of common mutations in NSCLC, KRAS and EGFR
Wouter H. van Geffen (Leeuwarden, Netherlands)

15:20 Discussion and Q&A
All Speakers

15:30 Perioperative treatments in early-stage NSCLC; neoadjuvant versus adjuvant versus both approaches. Which one to choose?
Torsten Gerriet Blum (Berlin, Germany)

15:50 Discussion and Q&A
All Speakers

16:00 Break
All Speakers

16:30 Group assignment
All Speakers

Studio Session 39 14:00 - 14:45
Pro-Con debate: Smoke-free Europe: utopia or feasible reality?

Aims: To present pros and cons of the concept of a "smoke-free generation" which typically refers to a societal goal of reducing or eliminating smoking and tobacco use among young people to create a generation that is largely free from the health risks associated with smoking; to discuss pros and cons of implementation of the policies and interventions aimed at preventing young people from starting to smoke, as well as supporting current smokers to quit; to explain advantages and barriers for the process of creating a smoke-free generation that can have significant public health benefits, reducing the prevalence of smoking-related diseases and improving overall population health.

Disease(s): Airway diseases, Thoracic oncology
Method(s): Epidemiology, General respiratory patient care, Public health
Tag(s): Congress theme: Humans and Machines: getting the balance right
Target audience: Adult pulmonologist/Clinician, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Patient, Thoracic oncologist, Respiratory therapist, Journalist
Chairs: Stamatoula Tsikrika (Athens, Greece), Charlotte Suppli Ulrik (Virum, Denmark)

14:00 Pro: the goal of a smoke-free generation
Nicholas Hopkinson (London, United Kingdom)

14:15 Con: barriers to creating a smoke-free generation
Paraskevi Katsaounou (Athens, Greece)

14:30 Discussion and Q&A
All Speakers

C5 Session 42 15:05 - 16:10
Paediatric day: Sleep and breathing in children
Aims: To discuss how big data and innovative data science methods provide tools to better understand paediatric respiratory diseases related to sleep-disordered breathing and to overcome disparities.

Disease(s): Paediatric respiratory diseases, Respiratory infections, Sleep and breathing disorders

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

Tag(s): Clinical

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

Chairs: Alexander Möller (Zürich, Switzerland), Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Susanne Vijverberg (Amsterdam, Netherlands)

15:05  Sleep-disordered breathing in children  
Hui Leng Tan (London, United Kingdom)

15:20  What we can learn from big data for paediatric respiratory medicine  
Jennifer Quint (Wimbledon, United Kingdom)

15:35  Treatment of chronic cough in young children: only frustration?  
Angela Zacharasiewicz (Wien, Austria)

15:50  Discussion and Q&A  
All Speakers

Paediatric day: Diversity, equity and inclusion in the paediatric asthma field

Aims: To discuss enormous disparities in healthcare that exist across the globe not only in low- and middle-income countries where access to healthcare is poor, but also within the highest income settings; to discuss diversity, equity and inclusion in the paediatric asthma field.

Disease(s): Airway diseases, Paediatric respiratory diseases

Method(s): Epidemiology, General respiratory patient care

Tag(s): Clinical

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

Chairs: Alexander Möller (Zürich, Switzerland), Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Susanne Vijverberg (Amsterdam, Netherlands)

16:25  Health disparities and structural racism in communities  
Wanda Phipatanakul (Hopkintkn, United States)

16:40  The child health inequalities toolkit  
Ian Sinha (Liverpool (Merseyside), United Kingdom)

16:55  How to be an advocate for respiratory child health  
Monika Gappa (Düsseldorf, Germany)

17:10  Discussion and Q&A  
All Speakers

Ceremony and networking sessions: Opening Session

Aims: The Opening Session will be followed by a welcome reception. The programme starts at 18.00 sharp.

Chairs: Gabor Kovacs (Graz, Austria), Judith Löffler-Ragg (Innsbruck, Austria)
**Stolz 1**  
**Session 50**  
08:00 - 10:20

**Skills workshop: SW1 Diagnostic techniques for sleep breathing disorders - €**

Additional registration is required for this session.

**Aims:** To provide an interactive demonstration and hands-on training of different techniques and tools that are essential for the diagnosis of sleep breathing disorders; to provide practical training for choosing the right type of sleep studies in clinical practice, interpreting polysomnography and polygraphy signals in adults and children, and evaluating daytime sleepiness.

**Disease(s):** Paediatric respiratory diseases  
Sleep and breathing disorders

**Method(s):** General respiratory patient care  
Physiology

**Target audience:** Adult pulmonologist/Clinician, Medical Student, Medical Technical Assistant, Nurse, Paediatrician, Physician in Pulmonary Training, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist

**Chairs:** Esther Irene Schwarz (Zürich, Switzerland), Matteo Bradicich (Zurich, Switzerland)

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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>08:00</td>
<td><strong>Introduction</strong></td>
<td>All Speakers</td>
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<tr>
<td>08:10</td>
<td><strong>Different levels of sleep studies</strong></td>
<td>Ludger Grote (Göteborg, Sweden)</td>
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<td>08:10</td>
<td><strong>Interpretation of polysomnography/polygraphy in adults</strong></td>
<td>Renata L. Riha (Edinburgh, United Kingdom)</td>
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<tr>
<td>08:10</td>
<td><strong>Interpretation of polysomnography/polygraphy in children</strong></td>
<td>Athanasios G. Kaditis (Athens, Greece)</td>
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<tr>
<td>08:10</td>
<td><strong>Evaluation of daytime sleepiness</strong></td>
<td>Carolina Lombardi (Milano (MI), Italy)</td>
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**INDUSTRY SKILLS LAB WORKSHOP**  
SEE PAGE 1

**PS-1**  
**Session 53**  
08:00 - 09:30

**Poster session: Clinical problems in long COVID-19**

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

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

**Tag(s):** Clinical

**Chairs:** Timothy Hinks (Oxford, United Kingdom), Sachin Ananth (London, United Kingdom)

| PA297 | **Disparities in post-COVID-19 prolonged fatigue: A comparative analysis between healthcare workers and the general population** | Young Seok Lee (Seoul, Republic of Korea), Hye Sun Lee, Jae Kyeom Sim, Sung Won Chang, Jae Jeong Shim |
| PA298 | **Deep phenotyping in long COVID: Pulmonary microangiopathy in non-hospitalized patients** | Laura Price (London, United Kingdom), Colm McCabe, Ewen Brennan, Kshama Wechalekar, Marta Gennaro, Carole Ridge, Wei Li, Alex Lyon, William Man, Rebecca Gore, Melissa Heightman |
| PA299 | **Association between endothelial dysfunction and pulmonary function in patients with post SARS-COV-2 infection.** | Celemi Vigil-Lopez (Mexico City, Mexico), Arturo Orea, Dulce Gonzalez, Rocio Sanchez, Andrea Zurita, Laura Arcos, Emilio Gutierrez, Tomas Pena, Frida Albarran, Aranza Aguirre, Amor Xospa, Antonio Sanchez, Ariel Garcia, Karen Sanchez, Benigno Valderrabano, Carlos Patricio Chávez-Guzmán |
| PA300 | **Clinical and physiological variables in post-COVID-19 patients with and without fatigue** | Luís Maurício Batalin Junior (Sorocaba, Brazil), Maércio Santos, Mariana Dorna, Estefânia Franco, Jéssica Geronutti, Luís Brizola, Yasmin Barros, Adrielle Costa, Carolina Breda, Caroline Marin, Bruno Freire, Suzana Tanni, Robson Prudente |
| PA301 | **Validation of the 'Post-COVID-19 Functional Status Scale (PCSF)' in patients with COVID-19 infection.** | Olga Milena Garcia Morales (Bogotá, Colombia), Juan David Botero, Socorro Moreno Luna, Martha Delgado Ramirez, Fabian Gil Laverde |
| PA302 | **The predictors of long COVID-19 syndrome in patients managed in out-patient healthcare settings** | Tatiana Osipov (Chisinau, Republic of Moldova), Alina Malic, Igor Semianiv, Lilia Todorioko, Evelina Lesnic |
Follow-up of children with Long COVID
Handan Kekeç (Turkey), Tuğba Şişmanlar Eyüboğlu, Pelin Asfuroğlu, Zeynep İlkşen Hocoğlu, Eylül Pınar Çakır, Ayşe Tana Aslan

The role of peripheral blood CD4+CD45RA+ T cells and CD4+CD45RO+ T cells in evaluation of COVID-19 patients
Hang Su (Shanghai, China), Wuping Bao, Yan Zhou, Aihua Bao, Fengming Ding, Guogang Xie, Min Zhang

Post-acute COVID-19: results of large principal component analysis
Natalia Habshydze (Dnipro, Ukraine), Karyna Rybalka, Lyudmyla Konopkina, Olena V. Myronenko, Tetyana Pertseva

Bacterial Co-infection and Secondary Infection in SARS-CoV-2 (COVID-19) Adult Patients in a National Tertiary Infectious Disease Hospital
Maria Yvez Erika Ugale (Batac, Philippines), Rontgene Solante, Edna Edrada

Jose Antonio Sanchez Paredes (Ciudad de Mexico, Mexico), Laura Arcos, Arturo Orea, Dulce Gonzalez, Rocío Sánchez, Emilio Gutierrez, Tomas Peña, Frida Albarrán, Arantza Aguirre, Amor Xospa, Antonio Sánchez, Ariel García, Karen Sánchez, Benigno Valderrabano, Celemi Vigil, Andrea Zurita, Robinson Robles, Rafael Hernández

Association between endothelial dysfunction and body composition in post-COVID-19 syndrome patients
FRIDA ALBARRAN LOPEZ (Mexico City, Mexico), Andrea Zurita Sandoval, Dulce Gonzalez, Arturo Orea, Rocío Sanchez, Laura Arcos, Emilio Gutierrez, Tomas Pena, Frida Albarran, Arantza Aguirre, Estefania Xosca, Jose Sanchez, Ariel Garca, Celemi Vigil

Is there a need for prolonged anticoagulation after COVID-19?
Natalia Habshyde (Dnipro, Ukraine), Tetyana Pertseva, Lyudmyla Konopkina, Yulia Huba

The impact of ICU bed capacity optimization strategy on the average length of hospital stay and cost following the open policy of COVID-19 in China: a differences-in-differences model analysis
Xiumei Tang (Chengdu, China), Weimin Li

Mortality trends in Spain, with a special focus on respiratory-related conditions in the midst of the COVID-19 pandemic.
Alberto Amorós (Madrid, Spain), Adrian Pelaez, Joan B Soriano, Maria Rodrigo-Garcia, Jose Luis Penaalvo, Isabel Calonge, Esteve Fernandez, Julio Ancochea

A cellular senescence-related gene signature for predicting severity in COVID-19 analyzed by bioinformatics combining machine learning algorithm
Shibo Guan (Shenyang, China), Wei Wang

Autoimmune diseases and its impact on patients with COVID-19 in hospitalized: a retrospective analysis
Jiadi Gan (Chengdu, China), Rui Xu, Guonian Zhu, Dan Liu, Weimin Li

Characteristics of blood cells in Omicron-associated Pneumonia patients with hematologic malignancies and the relationship between blood cells and the prognosis of Omicron-associated Pneumonia: a retrospective cohort study.
Yajuan Chen (Chongqing, China), Cai Li, Huyu Wang

Assessment of exertional capacity and quality of life in COVID-19 survivors
Vanessa Teotonio (Joao Pessoa, Brazil), Andre Siqueira, Giselle Duarte, Gerlania Sousa, Emanuelly Arruda, Ygor Soares, Alvaro Maciel

Leukocyte glucose index (LGI) as a marker of Covid-19 pneumonia progression
Daria Koval (Dnipro, Ukraine)

Effect of a novel inhaled lidocaine powder formulation on cough threshold to nebulised distilled water in humans
Alessandra Sorano (Firenze, Italy), Francesca Buttini, Ruggiero Bettini, Giovanni Fontana, Federico Lavorini
Effect of AX-8, a TRPM8 Agonist, on Cough Bouts in Refractory or Unexplained Chronic Cough Patients, a Proof-of-Concept Study
Jacky Smith (Manchester (Greater Manchester), United Kingdom), Olivier Poirot, Denis Drenan, Yaniv Zigel, Helen Venn, Michael Kitt

Prior and concomitant medication use in patients with refractory chronic cough: post-hoc analysis of SOOTHE
Jacky Smith (Manchester (Greater Manchester), United Kingdom), Lorcan Mc Garvey, Alyn H Morice, Mandel Sher, Margaret Garin, Ronghua Yang, Catherine M Bonuccelli

Change in objective cough count correlates with improvement in patient-reported outcomes of cough in patients with idiopathic pulmonary fibrosis
Jacky Smith (Manchester (Greater Manchester), United Kingdom), Kevin Carroll, David Clark, Philip L. Molyneux

CD39L1 levels in refractory/unexplained chronic cough patients, and relationship to cough counts

Irritant stimuli evoke ATP and inflammatory mediator release affecting P2X3 responses.
Orla Dunne (Belfast, United Kingdom), Imad About, Lorcan Mcgarvey, Fionnuala Lundy

Responder analysis of Leicester Cough Questionnaire domains from phase 3 trials of gefapixant (COUGH-1/COUGH-2)
Surinder B. Birring (London, United Kingdom), Peter Diepinagaitis, Lorcan Mcgarvey, Alyn H. Morice, Jaclyn A. Smith, Qing Li, Carmen La Rosa, Allison Martin Nguyen

Impact of type 2 biomarkers on changes in subjective cough outcomes in chronic cough
Mustafaa Wahab (Hamilton, Canada), Elena Kum, Nermin Diab, Danica Brister, Caitlin Obmsinski, Jennifer Wattie, Lesley Wiltshire, Karen Howie, Sue Beaudin, Kieran Killian, Jaclyn Smith, Gordon Guyatt, Roma Sehmi, Gail Gauvreau, Paul O'Byrne, Imran Satia

Ozone-induced model of cough hypersensitivity for the selection of novel antitussive agents
Cataldo Martucci (Parma (PR), Italy), Franco Basssani, Diletta Mandrioli, Gino Villette, Daniela Miglietta

Atopy – is it another treatable trait in management of patients with chronic cough?
Katarzyna Białek-Gosk (Warszawa, Poland), Karolina Klimowicz, Olga Truba, E.Magdalena Grabczak, Marta Dąbrowska

Plasma and bronchoalveolar lavage ATP in refractory/unexplained chronic cough
James Wingfield Digby (Manchester (Greater Manchester), United Kingdom), Michael Wortley, Sara Bonvini, Rachel Dockry, Sabina Issop, Jenny King, Bethany Massey, Simon Stephan, Eric Dubois, Shannon Galgani, Kimberley Holt, Shilpi Sen, Joanne Mitchell, Bashar Al-Shekhly, Maria Belvisi, Jaclyn Smith, Paul Marsden

Determinants for cough improvement with pulmonary rehabilitation
Ana Sofia Brites Grave (Alcobaça, Portugal), Cátia Paixão, Diogo Tecelão, Alda Marques, Ana Oliveira

Critical role of sensory neuronal TRPA1 signals in mediating cough hypersensitivity in allergic rhinitis
Yu Fu (guangzhou, China), Yang Yang, Zhangfu Fang, Jiaxing Xie, Kefang Lai

Patient perception on the effectiveness of guideline-based treatment for chronic cough
Mustafaa Wahab (Hamilton, Canada), Elena Kum, Nermin Diab, Danica Brister, Caitlin Obmsinski, Jennifer Wattie, Lesley Wiltshire, Karen Howie, Sue Beaudin, Kieran Killian, Ana Oliveria, Jaclyn Smith, Gordon Guyatt, Roma Sehmi, Gail Gauvreau, Paul O'Byrne, Imran Satia

Frequency of cough triggers associated with worse quality of life in patients with chronic cough
Mustafaa Wahab (Hamilton, Canada), Elena Kum, Nermin Diab, Danica Brister, Caitlin Obmsinski, Jennifer Wattie, Lesley Wiltshire, Karen Howie, Sue Beaudin, Kieran Killian, Jaclyn Smith, Gordon Guyatt, Roma Sehmi, Gail Gauvreau, Paul O'Byrne, Imran Satia

Refractory and unexplained chronic cough in adults treated in a cough centre.
Marta Dąbrowska (Warszawa, Poland), Katarzyna Moliszewska, Pawel Kukielka, Katarzyna Bialek-Gosk, Elżbieta M.. Grabczak

Effect of expiratory loadings on changes in oesophageal pH during coughing evoked by maximal lung emptying
Alessandra Sorano (Firenze, Italy), Martina Maria Marinato, Leonardo Gori, Giovanni Fontana, Federico Lavorini

Development and validation of therapy outcome measures for inducible laryngeal obstruction and chronic cough.
Siobhan Ludlow (Cheshire, United Kingdom), Lucie Byrne-Davis, Stephen J Fowler
**Inhaled alkaline hypertonic divalent salts reduce refractory chronic cough frequency.**
Hisham Waziri (London, United Kingdom), David A. Edwards, Deen Bhandu Bhatta, James Hull, Matthew Rudd, Peter Small, Kian Fan Chung

**Determination of Camlipixant (BLU-5937) P2X3 antagonist activity in a sensory neuronal model and bronchial epithelial cells**
Orla Dunne (Belfast, United Kingdom), Imad About, Mcegarve Lorcan, Fionnuala Lundy

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**PS-11**  
**Session 55**  
**08:00 - 09:30**  
**Poster session: Molecular pathways in asthma and chronic obstructive pulmonary disease**

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

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

**Tag(s):** Translational

**Chairs:** Andrew Higham (Manchester (Greater Manchester), United Kingdom), Francisco Javier Salgado Castro (Santiago De Compostela, Spain)

**PA337**  
**GLCCI1 rs37973 and inhaled corticosteroids: findings from a European cohort of COPD patients**  
Charikleia Ntenti (Thessaloniki, Greece), Eleni Papakonstantinou, Leticia Grize, Antonis Goulas, Daiana Stolz

**PA338**  
**Determinants of oxidative stress and antidiabetic activity in COPD**  
Maja Badovinac (Ljubljana, Slovenia), Dren Gruden, Erik Lipej, Josko Osredkar, Lana Novic, Ales Jerin, Matevz Harlander

**PA339**  
**NO production depth in the conducting airways in T2-high asthma**  
Haopeng Xu (Oxford, United Kingdom), Lorenzo Petralia, Asma Alamoudi, Graham Richmond, Grant Ritchie, Peter Robbins, Ian Pavor, Nayia Petousi

**PA340**  
**Association of Airway Inflammation and Smoking Status with IL-33 expression in Sputum of Patients with Asthma or COPD**  
Mustafa Abd (Grosshansdorf, Germany), Frauke Pedersen, Anne-Marie Kirsten, Frederik Trinkmann, Espen Groth, Benjamin Waschki, Thomas Bahmer, Henrik Watz, Klaus F. Rabe

**PA341**  
**Metabolic signatures of non-typeable Haemophilus influenzae from COPD sputum**  
James Baker (MANCHESTER, United Kingdom), Imogen Duncan-Smith, Danielle Weaver, Kamila Schmidt, Augusta Beech, Timothy Felton, Stephen J Fowler, Dave Singh, Waqar Ahmed, Simon Lea

**PA342**  
**ARTEMISIA: A JAK1 inhibitor mechanistic study to advance molecular understanding and precision medicine in respiratory diseases**  
Zala Jevnikar Rojnik (Mölndal, Sweden), David de P S Dosanjh, Tina Jellesmark Jensen, Erika Darragh, Jenny Torell, Alese Halvorson, Mathias Cardner, Camille Riff, Daniel Mathias, Chris Chamberlain, Adam Platt, Maria G Belvisi, Rod Hughes, Kyriakos V. Konstantinidis, Christopher E. Brightling

**PA343**  
**Small airway function in patients with alpha-antitrypsin deficiency. Correlation with quality of life and exercise capacity.**  
Dimitrios Tournpanakis (Athens, Greece), Martyn Biddiscombe, Sally Meah, Sun Logan, Theodoros Vassilakopoulos, Carole A Ridge, Nick S Hopkinson, James P Allinson, Omar S Usmani

**PA344**  
**Small Airways Disease (SAD) in Severe Asthma (SA) negatively affects the response to biologic therapy**  
Martina Maria Marinato (Firenze, Italy), Chiara Allegrini, Elisa Bentivegna, Chiara Marzi, Alessia Catalisano, Alberto Braccioli, Greta Insalata, Lorenzo Petroni, Marco Rodari, Rubina Giulia Girolamo, Valentina Musto, Federico Lavorini, Gianna Camiciaottoli

**PA345**  
**Navitoclax inhibits senescence markers in precision cut lung slices from COPD patients**  
Peter Fenwick (London, United Kingdom), Justine Devulder, May Al-Sahaf, Patrizia Viola, Peter Barnes, Louise Donnelly

**PA346**  
**Yihuo Huatan Formula alleviate stable COPD symptoms by increasing the relative abundance of Faecalibacterium Prausnitzii**  
congzhou (ChengDu, China)

**PA347**  
**Late Breaking Abstract - A splice-switching oligonucleotide (SSO) targeting the Receptor for Advanced Glycation End-products (RAGE) attenuates lung injury in smoke and AATD associated lung disease**  
Gary P. Anderson (Parkville (Vic), Australia), Aowen Zhuang, Rachael Hu, Philip Hansbro, Christopher Wraight, Raelene Pickering, Merlin Thomas

**PA348**  
**Deciphering the role of thromboxane A2 in mast cell-induced bronchoconstriction within human small airways**  
Jesper Säfholm (Solna, Sweden), Sven-Erik Dahlén, Mikael Adner
Increased epithelial thickness and luminal narrowing in the small airways of smokers with Preserved Ratio Impaired Spirometry (PRISm)
Hannah Trodden Mittnacht (Leeds, United Kingdom), Andrew Higham, Dave Singh

Curcuma longa curcumin and nano-curcumin protected lung and systemic injury induced by inhaled paraquat in rats
Mohammad Hossein Boskabady ( Mashhad, Islamic Republic of Iran), Mohammad Ehsan Taghavi Zadeh Yazdi, Sima Beigoli, Mohammad Hossein Eshaghi Ghalibaf

MiR-15b regulation promoted by Nintedanib in CTD associated progressive pulmonary fibrosis
eleonora bozza (pavia, Italy), Sara Bozzini, Cecilia Bagnera, Lorenzo Cavagna, Veronica Codullo, Domenica Federica Briganti, Federica Meloni

Intranasal treatment with hydrogen sulfide releasing donors can prevent bleomycin-induced pulmonary fibrosis in mice
Yasemin Karaman (Ankara, Turkey), Esra Buber, Olcay Kurtulan, Reshed Abohalaka, Ozge Burcu Sahan, Sevgen Celik Onder, Ayşen Gunel-Ozcan, Zeliha Gunnur Dikmen, Turgut Emrah Bozkurt

Investigation of the anti-fibrotic action of the NCE T03 in comparison to Pirfenidone in A549 cells.
Maria Brachs (Berlin, Germany), Erik Gandaliou

GLUT1 promotes NLRP3 inflammasome activation of airway epithelium in lipopolysaccharide-induced acute lung injury
Jiehong Li (Guangdong, China), Xin Chen

Formulation of Solid Lipid Nanoparticles Loaded with Nociceptin/Orphanin FQ (N/OFQ) and Characterization in a Murine Model of Airway Hyperresponsiveness
Giuseppe Spaziano (Caserta, Italy), Davida Mirra, Renata Esposito, Francesca Panico, Debora Santonocito, Gianluca D’Abrosca, Gaetano Malgieri, Roberto Fattorosso, Carmelo Puglia, Bruno D’Agostino

Late Breaking Abstract - β2-Adrenoceptor Dysfunction in Severe Asthma
Jameel Hakeem (Leicester, United Kingdom), Michael Biddle, Fahad Alhadian, Musallam Alnasser, Peter Bradding, Yassine Amrani

Rapid DNA extraction methods to facilitate laboratory workflow in Alpha-1 Antitrypsin Deficiency detection
Amaia Larruskain (Derio , Spain), Monika Landeta, Mónica López, Marta Artieda

Blood neutrophil transcriptome in PiMM and PiZZ patients with chronic obstructive pulmonary disease (COPD)
Urszula Lechowicz (Warsaw, Poland), Adriana Rozy, Aneta Zdrał, Adam Szpechciński, Beatriz Martinez-Delgado, Beata Olejnicka, Sabina Janciauskiene, Joanna Chorostowska-Wynimko

The final results of European external quality control program for laboratory testing of alpha1-antitrypsin deficiency (AATD EARCO LABNet) 2019-2022
Magdalena Pelc (Warsaw, Poland), Joanna Chorostowska-Wynimko, Irene Belmonte, Malika Balduyck, Tomás P Carroll, Timm Greulich, Noel Gerry Mcelvaney, Marc Miravitlles, Francisco Rodriguez-Frias, Marie Francoise Odou, Stefania Ottaviani, Adriana Rozy, Susana Seixas, Martina Veith, Farid Zerimech, Angelo Guido Corsico, Maria Cristina Monti, Ilaria Ferrarotti

Liver disease in patients with alpha1 antitrypsin deficiency PiZZ and PiSZ from the Spanish EARCO registry.
Cristina Aljama Vizcarra (Reus, Spain), Monica Pons, Cristina Esquinas Lopez, Miriam Barrecheguren, Maria Torres, Carlota Rodriguez, Jose Luis Lopez-Campos, , Myriam Calle, Juan Luis Rodriguez Hermosa, Jose Mª Hernández, Marta Maria García, Marc Miravitlles

An inverse association between plasma levels of α2-macroglobulin and α1-antitrypsin in COPD patients
Sabina Janciauskiene Wallmark (Hannover, Germany), Urszula Lechowicz, Beatriz Martinez-Delgado, Liu Bin, Adriana Rozy, Aneta Zdrał, Tobias Welte, Joanna Chorostowska-Wynimko
The alpha-1 foundation research registry: smoking history and obstructive lung disease in alpha-1 antitrypsin deficiency patients in the United States
Alison Keaveny (Coral Gables, United States), Nadine Nuchovich, Monica Goldklang, Niki Trivedi, Randel Plant, Jennifer Illarramendi, Laura Fonseca, James Michael Wells, Charlie Strange, Jeanine D'Armiento

Heterozygous Alpha-1 Antitrypsin Deficiency in COPD patients
Martina Zappa (Tradate, Italy), Marco Vanetti, Patrizia Pignatti, Sarah Grossi, Francesc Ardesi, Rosella Centis, Dina Visca, Antonio Spanevello

Clinical and radiological clustering in patients with alpha1-antitrypsin deficiency caused by PI*SZ genotype
Ilaria Giana (Pavia, Italy), Davide Piloni, Stefania Ottaviani, Alice Maria Baldacchini, Xheni Veselagu, Lucia Del Frate, Sara Magni, Francesca Mariani, Giulia Stella, Angelo Guido Corsico, Ilaria Ferrarotti

Association between routine blood biomarkers, lung phenotypes and disease severity in patients with alpha-1 antitrypsin Pi*SZ deficiency from the EARCO Registry
Cristina Aljama Vizcarra (Reus, Spain), Alexa Nuñez, Cristina Esquinas, Hanan Tanash, Eva Bartošovská, Gerard Orriols, Gálo David Granados, Marc Miravitlles, Miriam Barrecheguren

Non-targeted screening for Alpha-1 Antitrypsin Deficiency
Thomas Köhnlein (Leipzig, Germany), Gerhard Hoheisel, Andreas Mühle, Andreas Hoheisel

Impact and prevalence of alpha-1 antitrypsin deficiency in different lung diseases
Núria Angrill Sellés (Sabadell (Barcelona), Spain), Yolanda Galea Colón, Anna Mola Ausiró, Jaume Bordas Martinez, Mireia Baiges Badia, Santi Mora Acosta, Julio Cesar Alfaro Alvarez, Enric Barbosa Sanchez

Systematic literature review of pulmonary function decline in AATD-associated liver/lung disease
Alice Turner (Birmingham, United Kingdom), Priscilla Wittkopf, Caroline Von Wilamowitz, Mariana Farrafa, May Hagiwara, Ed G. Marins, Anne E. Wyman, Lisi Wang, Sona Park

Polymer Formation in Patients with Alpha-1-Antitrypsin Deficiency, Comparison of Pi*ZZ, SZ and other Rare Allele Variants
Arturo Olivares Rivera (Heidelberg, Germany), Haid Julia, Julia Beimdiek, Falk Büttner, Philipp Höger, Hilal Ersöz, Ralf Eberhardt, Felix Herth, Sabina Janciauskiene, Franziska Trudzinski

Alpha 1 Antitrypsin deficiency associated with the Mmalton variant: an EARCO Research project.
Maria Beatriz Dias Ferraz (Porto, Portugal), Maria Sucena, Margarida Fonseca Cardoso, Maria Torres, Hanan Tanash, Carlota Rodriguez Garcia, Jens-Ulrik Jensen, Angelo Guido Corsico, José Luis López-Campos, José María Hernández Pérez, Kenneth Chapman, Christian Clarensbach, Alice Turner, Marc Miravitlles, Joana Gomes, Beatriz Lara

Hepatic features in patients with severe alpha1-antitrypsin deficiency: A single institution experience
Davide Piloni (Pavia, Italy), Lucia Del Frate, Xheni Veselagu, Ilaria Giana, Simone Cordoni, Francesca Mariani, Ambra Raimondi, Ilaria Ferrarotti, Angelo Guido Corsico

Hepatic features in patients with severe alpha1-antitrypsin deficiency: AATD patients receiving a liver transplantation

Proteinase 3 (PR3) specific fibrinopeptide Aα-Val541 in alpha1 antitrypsin deficiency (AATD) patients receiving a liver transplantation

Unraveling the past: A review of patients with Alpha-1 Antitrypsin Deficiency
Maria João Gomes Moura (Santa Maria Da Feira, Portugal), Tiago Ramalho, Bárbara Seabra, Rosário Alves, Carlos Soares, Joana Amado

Analysis of emphysema severity and emphysema characteristics using quantitative computed tomography in patients with alpha-1 antitrypsin deficiency
Chiara Premuda (Milano, Italy), Cristina Aljama, Cristina Esquinas, Miriam Barrecheguren, Gálo David Granados, Ilaria Ferrarotti, Angelo Guido Corsico, Alice Turner, Maria Torres-Duran, Hanan Tanash, Carlota Rodriguez-García, Jens-Ulrik Jensen, Marco Mantero, Francesco Blasi, Marc Miravitlles

Alpha-1 Antitrypsin Deficiency Registry: Smoking History and Obstructive Lung Disease in Alpha-1 Antitrypsin Deficiency Patients in the United States
Alison Keaveny (Coral Gables, United States), Nadine Nuchovich, Monica Goldklang, Niki Trivedi, Randel Plant, Jennifer Illarramendi, Laura Fonseca, James Michael Wells, Charlie Strange, Jeanine D'Armiento

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Lung disease in never smokers with severe alpha1-antitrypsin deficiency: The EARCO Registry.
Chiara Premuda (Milano, Italy), Cristina Aljama, Cristina Esquinas, Miriam Barrecheguren, Gálo David Granados, Ilaria Ferrarotti, Angelo Guido Corsico, Alice Turner, Maria Torres-Duran, Hanan Tanash, Carlota Rodriguez-García, Jens-Ulrik Jensen, Marco Mantero, Francesco Blasi, Marc Miravitlles

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Naomi Kappe (Leiden, Netherlands), Jan Stolk, Bart Van Hoek, Pieter Hiemstra

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SERPIN1A QQQO clinical presentation of a very rare alpha1 antitrypsin deficiency
**Poster session: Clinical assessment of chronic obstructive pulmonary disease exacerbations**

**Disease(s):** Airway diseases  
**Method(s):** Epidemiology General respiratory patient care Physiology Pulmonary function testing Public health Imaging  
**Tag(s):** Clinical

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<td>PA388</td>
<td>Medication adherence to inhaler therapy and the risk of COPD</td>
<td>Delphine Vauterin (Ghent, Belgium), Frauke Van Vaerenbergh, Maxim Grymonprez, Anna Vanoverschelde,</td>
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<td>exacerbations: a systematic review with meta-analysis</td>
<td>Lies Lahousse</td>
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<td>PA389</td>
<td>Association of impulse oscillometry and spirometry with COPD</td>
<td>Maja Badovinac (Ljubljana, Slovenia), Dren Gruden, Erik Lipej, Lana Novič, Matevž Harlander</td>
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<td>exacerbations</td>
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<td>PA390</td>
<td>Clinical course and outcomes in hospitalized patients with acute</td>
<td>Hong-Joon Shin (Gwangju, Republic of Korea), Chan-Woo Park, Yong-Soo Kwon</td>
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<td>exacerbation of COPD based on the Rome severity classification</td>
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<td>PA391</td>
<td>Chest Ultrasonography in Chronic Obstructive Pulmonary Disease</td>
<td>Warda Jelassi (Tunis, Tunisia), Abir Hedhli, Khadija Euchti, Meriem Mjid, Yacine Ouahchi,</td>
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<td>Across Stability and Exacerbation</td>
<td>Sana Cheikhrourhou, Sonia Tounaji, Besma Dhaliri</td>
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<td>PA392</td>
<td>Improving out of hospital care of management of COPD</td>
<td>Ashwin Rajkan (Stoke On Trent, United Kingdom), Ajit Thomas, Karen Jackson, Isabelle Babin-Cooper,</td>
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<td>exacerbations using health technology (COPD Predict App) in a novel way</td>
<td>Pamela Birks</td>
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<td>to identify exacerbations</td>
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PA393  CAT Score as a prognostic tool in low resource setting: Exploring the correlation between CAT Score, Exacerbation history with BODE Index
Jocelyn Joseph (WOLVERHAMPTON, United Kingdom), Vishwanath Pujari

PA394  Causes of death among COPD patients in Malaysia: EXACOS-MY study
Chee Kuan Wong (Kuala Lumpur (Wilayah Persekutuan), Malaysia), Syazatul Syakirin Sirol Aflah, Aisyah Natasya Musa, Ahmad Izuanuddin Ismail

PA395  Evaluation of annual mortality in patients hospitalized with COPD exacerbation
Gülistan Karadeniz (Izmir, Turkey), Seda Bilgen

PA396  Identification worsening patterns in the CAT Questionnaire during a severe exacerbation of COPD

PS-14  Session 58  08:00 - 09:30
Poster session: Monitoring in airway disease I: looking towards the future

Disease(s) :  Airway diseases
Method(s) : Pulmonary function testing  General respiratory patient care  Physiology  Epidemiology
Tag(s) : Congress theme: Humans and Machines: getting the balance right, Clinical
Chairs : Johann Christian Virchow (Rostock, Germany), Andrénanne Côté (Quebec, Canada)

PA397  Touchless monitoring of respiratory rate stratified according to demographic sub-groups
Paul Addison (Edinburgh, United Kingdom), Andre Antunes, Dean Montgomery, Ulf Borg, Carolyn Cohen, Paul Batchelder

PA398  Application of the ERS/ATS spirometry standards and race-neutral equations in the COPDGene Study
Enrico Schiavi (Roma, Italy), Min Hyung Ryu, Leonardo Martini, Aparna Balasubramanian, Meredith C. McCormack, Spyridon Fortis, Elizabeth A. Regan, Matteo Bonini, Craig P. Hersh

PA399  AI-Based Quality Assessment of Peak Expiratory Flow in Spirometry
Benoit Cuypers (Leuven, Belgium), Diana Teixeira E Silva, Paul Desbordes, Maarten De Vos, Marko Topalovic

PA400  Forced Expiratory Time: Added Value in Diagnosing Obstructive Ventilatory Defects
Kholoud Kchaou (Ariana, Tunisia), Chaima Brik, Soumaya Khalidi, Yosra Abdelhedi, Saloua Ben Khamsa Jameleddine

PA401  The power of the first hour: a quality improvement project optimising PEFR monitoring and steroid administration in an Emergency Department setting
Kholood T Munir (London, United Kingdom), Shahzada Athar, Daberechukwu Nkechukwu, Sandip Banerjee

PA402  Bronchodilator response of spirometry and lung volumes in healthy subjects
Tobias Lorenz Mraz (Wien, Austria), Emiel F. M. Wouters, Ahmad Karimi, Sylvia Hartl, Marie-Kathrin Breyer, Robab Breyer-Kohansal

PA403  30-Days Spirometry Holter: a novel tool for objective asthma diagnosis
Mikołaj Basza (Nysa, Poland), Piotr Korczyński, Katarzyna Górska, Mateusz Soliński, Piotr Dąbrowiecki, Weronika Kowalczyk, Łukasz Kołtowski

PA404  Assessment of clinical application value of FeNO combined with spirometry parameters for predicting airway hyperresponsiveness
Jin He (xi'an, China), Dan Wang, Yun Liu

PA405  Perceptions towards using artificial intelligence and technology for asthma – A qualitative exploration of Māori views
Widana Kankanamge Darsha Jayamini (Auckland, New Zealand), Marie-Claire Bidois-Putt, Farhaan Mirza, M. Asif Naeem, Amy Hai Yan Chan

PA406  Circadian Rhythm and Variability of Large and Small Airway Spirometric Variables in Healthy Individuals
Yiting Wu (Shanghai, China), Wuping Bao, Xue Zhang, Chengjian Lv, Jingwang Lin, Lei Zhao, Yanmei Lin, Yingying Zhang, Min Zhang

PA407  Risk factors for airflow obstruction development in an occupational cohort. The value of borderline FEV1/FVC ratio.
Maria Urquiola Torres (Pamplona, Spain), Pablo Sanchez Salcedo, Deborah Jorge Garcia, Jose Espinoza, Tamara Gutierrez Urra, Belen Marin Martinez, Pilar Cebollero Rivas
PA423 Characteristics of asthma in patients with NSAID hypersensitivity
Elif naz Sancar (Altındağ, Turkey), Oguz Karcioglu, Gul Karakaya, Ali Fuat Kalyoncu, Ebru Damadoglu

PA424 Nasal polyposis and response to asthma biologics in real-life: insights from the Belgian Severe Asthma Registry.
Femke Demolder (Mechelen, Belgium), Eef Vanderhelst, Sylvia Verbanck, Florence Schleich, Renaud Louis, Guy Brusselle, Carine Sohy, Alain Michils, Rudi Peché, Charles Pilette, Shane Hanon

PA425 Baseline characteristics of patients with chronic rhinosinusitis with nasal polyps and coexisting asthma initiating dupilumab in the AROMA global registry
Juby Anne Jacob-Nara (Orlando, United States), Enrico Marco Heffler, Tanya M. Laidlaw, Shigeharu Fujieda, Scott Nash, Changming Xia, Micah Johnson, Lucia de Prado Gomez, Paul J. Rowe, Yamo Deniz, Juby A. Jacob-Nara, Harry Sacks

PA426 The triple type 2 signature is associated to asthma severity and comorbidity with nasal polyps
Jose Antonio Castillo Vizuete (Sitges (Barcelona), Spain), Encarna López Gabaldón, Francisco Javier González Barcala, Gustavo Javier Rodrigo, Carlos Almonacid, Juan Carlos Martin, Berta Juliá, Joaquim Mullol

PA427 Unveiling inflammatory patterns in chronic rhinosinusitis and allergy: harnessing algorithmic approaches via mass cytometry
Fana Alem Kidane (Vienna, Austria), Lena Müller, Marianne Rocha-Hasler, Aldine Tu, Victoria Stanek, Campion Nicholas, Tina Bartosik, Mohammed Zghaebi, Slagjana Stoshikj, Daniela Gompelmann, Andreas Spittler, Marco Izdko, Sven Schneider, Julia Eckl-Dorna

PA428 IL-33 substantially initiates and promotes EGPA development via alteration in pulmonary immune microenvironments
Lingna Xue (Guangzhou, China), Wenjing Yang, Junjie Wen, Xiaoqing Yang, Zhenan Deng, Changxing Ou, Lingyun Zheng, Qingling Zhang

PA429 Blood leukocyte characterisation in Eosinophilic Granulomatosis with Polyangiitis (EGPA)
Rebecca Dale (Leicester, United Kingdom), Shamsa Naveed, Tracy Thornton, Herleen Turner, Kate Porter, Amanda Charalambou, Michelle Bourne, Salman Siddiqui, Yassine Amrani, Adam Wright

PA430 Predictive factors of favorable outcome for mepolizumab and corticosteroid treatment to for eosinophilic granulomatosis with polyangiitis (EGPA)
Ryuta Tsuzuki (Sumida City, Japan), Chiaki Kato, Hiroaki Arai, Keigo Uchimura, Kyouhei Kaburagi, Shinji Sasada, Yuta Kono, Masako To, Yasuo To

PA431 Eosinophil extracellular traps in allergic bronchopulmonary aspergillosis airways
Xi Chen (Beijing, China), Moqin Zhang, Yanliang Ma

PA432 ABPA PATIENTS: 3 YEARS FOLLOW UP
Francesco Bini (Pavia (PV), Italy), Giovanni Franco, Noemi Grassi, Bruno Dino Bodini

PA433 An Asthma-COPD Overlap Mouse Model Establishment
Zhimin Zeng (Guangzhou, China), Fengjia Chen, Yubiao Guo

PA434 Cognitive impairment in patients with COPD.
Tehreem Ahmad (Karachi, Pakistan), Asma Arman, Hina Asghar, Tahir Ansari

PA435 Efficacy of Mepolizumab in a cohort of patients with severe eosinophilic asthma and bronchiectasis after 6 years of treatment: a single centre study
Gerardo Nizzaro (Caserta, Italy), Antonio Caso, Simonetti Giuseppe, Iannone Francesca Paola, Lorena Gallotti, Anna Agnese Stanziola

PA436 HLA-DR immunopeptidomics on cells from bronchoalveolar lavage in early rheumatoid arthritis

PS-16 Session 60 08:00 - 09:30
Poster session: Relationship between biomarkers including microbiomes and respiratory conditions
Disease(s) : Airway diseases
Method(s) : Epidemiology Public health General respiratory patient care Cell and molecular biology Pulmonary function testing
Tag(s) : Translational
Chairs : Chair to be confirmed
PA437  Proteinase-3 in plasma and BAL in patients with COPD
Julie Hestnes (Bergen, Norway), Gunnar Husebo, Rune Nielsen, Ingvild Haaland, Bahareh Jouleh, Nathalie Reuter, Pieter Hiemstra, Tomas Mikal Eagan

PA438  Phenotype and biomarkers in patients who initiated biologics therapy stratified by oral corticosteroid use in the International Severe Asthma Registry

PA439  Characteristics of long-term oral corticosteroid users stratified by blood eosinophil count in the International Severe Asthma Registry

PA440  Historical blood eosinophil levels in adults with and without obstructive airways disease
Peter Ascanius Jacobsen (Aalborg, Denmark), Marie Dam Lauridsen, Kristian Kragholm, Christian Torp-Pedersen, Ulla Møller Weinreich

PA441  Serum eosinophil-derived neurotoxin levels in machine-learning-derived respiratory symptom clusters in adults
Daniil Lisik (Gothenburg, Sweden), Salia Selin Özyurgur Ermis, Carina Malmhäll, Rani Basna, Reshed Abohalaka, Selin Ercan, Muwada Bashir Awad Bashir, Radhika Jadhav, Linda Ekerljung, Madeleine Rådinger, Jan Löttvall, Göran Wennergren, Helena Backman, Magnus Borres, Hannu Kankaanranta, Bright Ibeabughichi N warriors

PA442  Biomarker profiles across obstructive and non-obstructive lung function trajectories
Jonas Eriksson Ström (Umeå, Sweden), Helena Backman, Per Liv, Anne Lindberg, Anders Blomberg

PA443  Biologics for severe asthma: control and quality of life in real-life settings
Sara Maio (Pisa (PI), Italy), Sandra Baldacci, Giovanni Viegi, Francesco Pistelli, Barbara Vagaggini, Elisa Iacopini, Maria Chiara Braschi, Maria Beatrice Bilò, Laura Carrozzi

PA444  Association between plateaued and blood eosinophil counts in asthma adults: Results from NHANES 2011-2018
Jun Wen (Chongqing, China), Shuliang Guo

PA445  Oral inflammation predicts respiratory disease 10 years later in a Nordic population based study
Randi Bertelsen (Bergen, Norway), Anders Rusland, Christine Cramer, Thorarinn Gislason, Mathias Holm, Christer Janson, Rain Jogi, Lars Modig, Vivi Schlüssen, Ane Johannessen

PA446  Variability of eosinophilia in the LEAD study: Pulmonary and extrapulmonary traits
Charmaine J. M. Helk-Lim (Vienna, Austria), Mohammad Azizzadeh, Marie-Kathrin Breyer, Robab Breyer-Kohansal, Emiel F. M. Wouters, Sylvia Hartl

PA447  Association between oral bacteria and respiratory health
Christine Cramer (Aarhus, Denmark), Ian Marshall, Michael J. Abramson, Nils Oskar Jogi, Maryia Khomich, Vivi Schlüssen, Randi Jacobsen Bertelsen

PA448  Predicting real-world response to mepolizumab in severe asthma using machine learning
Koyo Usuha (Mississauga, Canada), Lingjiao Zhang, Xinyang Liu, Tim Han, Natalie Nightingale, Ali Tehrani, Shiyuan Zhang, Peter Howarth, Rafael Alfonso-Cristancho

PA449  Allostatic load in adults with airflow obstruction – a new concept to understand health challenges?
Mohammad Azizzadeh (Vienna, Austria), Robab Breyer-Kohansal, Sylvia Hartl, Mariana Radu-Piuk, Emiel F M Wouters, Marie-Kathrin Breyer

PA450  Validation of self-reported asthma medication use in Sweden and Finland
Elia Nurmi (Tampere, Finland), Ida Vähätalo, Heidi Andersén, Päivi Pirilä, Paul Lassmann-Klee, Arnulf Langhammer, Johan Persson, Linnea Hedman, Caroline Stridsman, Anne Lindberg, Eva Rönmark, Linda Ekerljung, Bright Nwaru, Hannu Kankaanranta, Helena Backman
**PA451**  
Characteristics of severe asthma patients treated with biotherapy: the French Palomb Cohort.  
Nolwenn Jestin-Guyon (Bordeaux, France), Annaig Ozier, Cécilia Nocent, Alain Bernady, Laurent Nguyen, Emilie Bertrand, Magalie Dupuy-Grasset, Frédéric Le Guillou, Boris Melloni, Laurent Portel, Anne Prud’Homme, Alain Didier, Mathieu Motimard, Laurent Guilleminault, Chantal Raherison-Semjen

**PA452**  
The economic cost of neutrophilic asthma in adult patients from the Italian general population.  
Valentina Lando (Verona, Italy), Jessica Miotti, Luigi Martinelli, Lucia Calciano, Stefano Tardivo, Angelo Corsico, Simone Accordini

**PA453**  
Machine learning-derived asthma phenotypes in a Swedish adult population-representative sample  
Muwada Bashir (VÄSTRA FRÖLUND, Sweden), Danil Liisik, Salih Selin Ozuygur Ermis, Rani Basna, Reshed Abohalaka, Selin Ercan, Helena Backman, Teet Pullerits, Roxana Minecheva, Göran Wennergren, Madeleine Rådinger, Jan Lotvall, Linda Ekerljung, Hannu Kankaanranta, Bright I. Nwaru

**PA454**  
Gender differences in the healthy lower airway microbiome  
Hallvard Juhler (Førde, Norway), Tomas M Eagan, Rune Nielsen, Andreu Paytuvi, Xénia Roda, Rune Tilseth, Walter Sanseverino, Gunnar R Husebø

**PA455**  
Impact of the COVID-19 pandemic on the diagnosis of COPD in rural hospitals 2018-2021, Colombia  
Angela Maria Giraldo Montoya (Pereira, Colombia), Giovanni Garcia Castro, Laura Sofia Garcia Giraldo

**PA456**  
Post-COVID after hospitalization of COVID-19 patients during the pandemic - monocentric retrospective study  
Vladimir Kobližek (Hradec Králové, Czech Republic), Mikulas Skala, Alnakli Ayad Mahdi M, Michal Svoboda, Michal Kopecky, Martina Kulirova, Dalibor Milka, Libor Nevoranek

**PS-17**  
Session 61  
08:00 - 09:30

**Poster session: Environmental and occupational determinants of respiratory health outcomes**

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

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

**Tag(s):** Clinical

**Chairs:** Om Prakash Kurmi (Coventry, United Kingdom), Ashesh Dhungana (New Delhi (Delhi), India)

**PA457**  
Residential exposure to air pollution and COPD: a pilot study in Torino city.  
Ornella Salimbene (Buccino, Italy), Nicola Leoce, Maria Teresa Baeza Romero, Ivano Salimbene

**PA458**  
Exposure to vehicle traffic during childhood and lung function development in young adulthood - a 10-year prospective study  
Nicolas Bermúdez Baron (Luleå, Sweden), Helena Backman, Eva Rönmark, Caroline Stridsman, Linnea Hedman, Martin Andersson

**PA459**  
Association of ultrafine particle exposure with lung function in elementary school children in the Berlin-Brandenburg Air Study (BEAR)  
Vanessa Soppa (Düsseldorf, Germany), Katherine Ogurtsova, Monica López-Vicente, Monica Guxens, Kay Weinhold, Ulf Winkler, Alfred Wiedensohler, Andreas Held, Sabine Lüchtrath, Josef Cyrys, Simonas Kecorius, Petra Gastmeier, Barbara Hoffmann, Miriam Wiese-Posselt

**PA460**  
Candidate gene association analysis on the interaction between SNPs and air pollutants on FeNO in adult patients from the Italian general population  
Marion Nicolodi (Verona, Italy), Valentina Lando, Lucia Calciano, Cristina Bombieri, Francesca Locatelli, Giovanni Malerba, Pierpaolo Marchetti, Antonino Margagliotti, Claudio Gariazzo, Sara Maio, Massimo Stafoggia, Giovanni Viegi, Alessandro Marcon, Simone Accordini

**PA461**  
Air pollution exposure was associated with the acceleration of longitudinal changes in lung function in elderly: A community-based cohort study in Korea  
Ji Ye Jung (Seoul, Republic of Korea), Chan Ho Lee, Mi Wha Kim, Songhui Lee, Joo Hye Shin, Heeseon Jang, Jaelim Cho

**PA462**  
Short-term exposure to ultrafine particles and respiratory infection hospital contacts in children  
Marie Bergmann (København K, Denmark), Zorana Andersen, Andreas Massling, Steffen Loft, Hersh Amin, Thomas Cole-Hunter, Claus Nordstrøm, Stéphane Tuffier, Jiawei Zhang, Youn-Hee Lim

**PA463**  
Understanding Potential Lung Recovery from Coal Mine Fire Smoke exposure  
Michael J. Abramson (Melbourne (VIC), Australia), Claire O’Sullivan, Catherine Smith, Caroline Gao, Brigitte Borg, David Brown, Jillian Ilkin, Tyler Lane, Jacqui Kleiner, Isabella Chicas, Faizel Hartley, Thomas Mccrabb, Bruce Thompson
PA464  Long-term exposure to air pollution and greenness and hospitalization for respiratory conditions in Northern Europe: The Life-GAP project
Shanshan Xu (Bergen, Norway), Alessandro Marcon, Randi Jacobsen Bertelsen, Bryndis Benediktsdottir, Jørgen Brandt, Lise Marie Frohn, Camilla Geels, Thorarinn Gislaslon, Joachim Heinrich, Mathias Holm, Christer Janson, Iana Markevych, Lars Modig, Hans Orru, Vivi Schlüssens, Torben Sigsgaard, Ane Johansen

PA465  Risk factors for daytime sleepiness in a population-based sample
Jenny Theorell-Haglöw (Uppsala, Sweden), Martin Ulander, Karl A Franklin, Jonas Spaak, Hanan Tanash, Ludger Grote

PA466  Exposure to long-term outdoor air pollution and lung function in adults: a systematic review and meta-analysis
Olga Gorlanova (Bättwil, Switzerland), Albina Gross, Rachel Tham, Shyamali Dharmage, Martin Röösli, Urs Frey

PA467  The burden of Chronic Respiratory Diseases and attributable risk factors in Pakistan- A systematic analysis of global burden of disease study (GBD) 2019
Taymmia Ejaz (Islamabad, Pakistan), Muhammad Irfan, Javed Ahmed Khan, Shaheer Masroor, Ali Zubairi, Zainad Samad, Ali Usman

PA468  Associations of parental air pollution/greenness exposures with offspring respiratory health: The Life-GAP Project
Robin Rzati Sinsamala (Bergen, Norway), Alessandro Marcon, Randi J Bertelsen, Simone Accordini, Jørgen Brandt, Lise M Frohn, Camilla Geels, Thorarinn Gislaslon, Mathias Holm, Christer Janson, Iana Markevych, Hans Orru, Francisco G Real, Torben Sigsgaard, Svein M Skulstad, Cecilie Svanes, Ane Johansen

PA469  The impact of indoor environment factors on respiratory conditions among both children and adults in Turkey
Merve Selçuk (Istanbul, Turkey), Ceren Ayca Yildiz, Ella Erdem Erarp, Almala Pınar Ergenekon, Caner Cinar, Derya Kocakaya, Yasemin Gökdemir, Bulent Karadag

PA470  Prenatal and lifetime exposure to residential dampness and molds and the occurrence of respiratory tract infections in the first 12 years of life
Jouni J.K. Jaakkola (Oulu, Finland), Joona Maaranen, Maritta S. Jaakkola, Ines Paciencia, Timo T. Hugg, Aino K. Rantala

PA471  Impact of high, and low temperatures on lower respiratory infections in a changing climate from 1990 to 2019: a jointpoint regression analysis.
Abdelrahman Mahmoud (Shebin El-Kom, Egypt)

PA472  Long-term effects of coarse particulate matter and modifications by temperature and relative humidity on all-cause mortality in a MDR-TB cohort
Erjia Ge (Toronto, Canada), Huiying Feng, Nicholas Grubic, Xin Liu, Hui Zhang, Xiaolin Wei, Kai Zhang, Ming Luo, Liang Chen

PA473  Pollen exposure and paediatric Emergency Room admissions in Northern Italy (2008-2022)
Alessandro Marcon (Verona (VR), Italy), Pierpaolo Marchetti, Francesca Locatelli, Sofia Tagliaferro, Lorenzo Di Spazio, Francesco Domenichini, Nicola Gennaro, Morena Nicolò, Damaris Selle, Ugo Fedeli

PA474  Dwelling mould profiles and current asthma in the CONSTANCES cohort
Marine Savouré (Paris, France), Tajidine Tsiavia, Séverine Affeldt, Emile Fréalle, Valérie Bex, Orianne Dumas, Marcel Goldberg, Nicole Le Moual, Céline Ribet, Nicolas Roche, Marie Zins, Bénédicte Leynaert, Lauren Orsi, Rachel Nadif

PA475  Association between the presence of respiratory symptoms and reduced work productivity (presenteeism) among Japanese workers: the Japanese Red Cross Kumamoto Study
Kenichi Kubota (Kumamoto, Japan), Ayumi Onoue, Kyohei Harada, Takuya Kitagawa, Yuki Satō, Kazuhiro Watanabe, Yuichi Matsuo, Toshinari Hayashi, Toru Tsada, Minoru Yoshida, Yoshishita Fujino, Hiromasa Inoue, Hisamitsu Omori

PA476  Influence of air pollutants on risk of asthma admission in 3 largest urban agglomerations in Poland
Artur Badyda (Warszawa, Poland), Piotr Dąbrowiecki, Agata Dąbrowiecka, Anna Piórkowska, Andrzej Chciałowski

PS-18  Session 62  08:00 - 09:30
Poster session: Major multimorbidity clusters in people with respiratory health problems
Disease(s) : Airway diseases, Interstitial lung diseases, Sleep and breathing disorders, Pulmonary vascular diseases
Method(s) : Epidemiology, Pulmonary function testing, Public health, Imaging
Tag(s) : Clinical
Chairs : Sundeep Santosh Salvi (Pune (Maharashtra), India), Stephanie Everaerts (Leuven, Belgium)

PA477  Lung function and onset of cardiometabolic diseases in the longitudinal Burden of Obstructive Lung Disease (BOLD) study
Christer Janson (Uppsala, Sweden), James Potts, Andrei Malinovski, Peter Burney, Andre Amaral, Bold Collaborative Research Group
Multimorbidity in patients with bronchiectasis: results from the US Bronchiectasis and NTM Research Registry (US BRR)
Radmila Choate (Lexington, United States), Pamela McShane, Meghan Marmor, Kunal Jakharia, Marcos Restrepo, Alan Barker, Mark Metersky, Kevin Winthrop, Doreen Addrizzo-Harris, Timothy Aksamit

Characteristics and trends in the incidence of adults hospitalised with community-acquired pneumonia (CAP) in Portugal, 2010-18
Joana Carneiro (Rio de Mouro, Portugal), Rita Teixeira, Andreia Leite, Maria Lahuerta, Julie Catusse, Mohammad Ali, Silvia Lopes

Multimorbidity burden in severe asthma across the SHARP CRC
Anna Freeman (Southampton, United Kingdom), Aruna T Bansal, Sasa Rink, Betty Frankemöller, Meharr Singh, Jacob Sont, Apostolos Bossios, Florence Schleich, Sanja Grle Popovic, Svetlana Sergejeva, Eleftherios Zervas, Zsuzsanna Csoma, Ineta Grisle, Kristina Biexiense, Anneke Ten Brinke, Piotr Kuna, Florin Mihălțan, Sanja Hromis, Barbro Dahlén, Valentyyna Yasinska, Bilun Gemiciglu, Sabina Skrgat, Ramesh J Kurukulaaratchy

Severe Asthma Multimorbidity Clusters Across Europe; Findings From SHARP
Anna Freeman (Southampton, United Kingdom), Aruna T Bansal, Sasa Rink, Betty Frankemöller, Meharr Singh, Sont Jacob, Apostolos Bossios, Florence Schleich, Sanja Grle Popovic, Svetlana Sergejeva, Eleftherios Zervas, Zsuzsanna Csoma, Ineta Grisle, Kristina Biexiense, Anneke Ten Brinke, Piotr Kuna, Florin Mihălțan, Sanja Hromis, Barbro Dahlén, Valentyyna Yasinska, Bilun Gemiciglu, Sabina Skrgat, Ramesh Kurukulaaratchy

In adult-onset asthma, chronic pain associates with increased asthma morbidity
Sofia Winsa Lindmark (Luleå, Sweden), Iida Vähätalo, Leena Tuomisto, Pinja Ilmarinen, Caroline Stridsman, Linnea Hedman, Onni Niemelä, Nikolai Stenfors, Tomi Myrberg, Anne Lindberg, Eva Rönmark, Hannu Kankaanranta, Helena Backman

Association among weight, comorbidities, inflammation and chronic obstructive pulmonary disease
Ilaria Stanisci (Pisa, Italy), Sandra Baldacci, Sara Maio, Anna Angino, Giuseppe Sarno, Patrizia Silvi, Sofia Tagliaferro, Viegi Giovanni

Asthma and risk of osteoporosis and osteoporotic fracture: A systematic review and meta-analysis of cohort studies
Parkin Paramiraksa (Bangkok, Thailand), Metavee Boonsiri, Poramin Patthamalai

Association of multimorbidity and mortality interacting with pulmonary function: a prospective cohort from NHANES
Hongyi Wang (Beijing, China), Min Liu, Huaping Dai

Cardiovascular prevalence, mortality and associations with treatment in oxygen-dependent COPD - a national cohort study
Josefin Sundh (Örebro, Sweden), Yet Khor, Zainab Ahmadi, Mirjam Ljunggren, Ludger Grote, Andreas Palm, Magnus Ekström

Incident loop diuretic-use after COPD hospitalization is associated with increased 1-year mortality and morbidity
Marie Dam Lauridsen (Aalborg, Denmark), Emil Fosboel, Peter Ascanius Jacobsen, Søren Paaske Johnsen, Ulla Møller Weinreich

Obesity predicts mortality stronger in adult-onset asthma than in age- and sex-matched controls
Helena Backman (Lulea, Sweden), Caroline Stridsman, Anne Lindberg, Eva Rönmark, Linnea Hedman

Impacts of baseline anxiety and depression on acceleration of lung function impairment in elderly population: Results of LEAD cohort study
Mohammad Azizzadeh (Vienna, Austria), Robab Breyer-Kohansal, Sylvia Hartl, Emlie F M Wouters, Marie-Kathrin Breyer

Menarche, menopause, and physician-diagnosed asthma in women
Michael Salisu (Lagos, Nigeria), Salihu Selin Ozyuggy Ermis, Helen Adesoba, Selin Ercan, Daniil Lisik, Muwada Bashir, Reshed Abholahakia, Göran Wennergren, Madeleine Rådinger, Linda Ekerljung, Hannu Kankaanranta, Bright Nwaru

Self-reported helminth infection is associated with increased respiratory symptoms in the RHINE IV study.
Nils Oskar Jogå (Tallinn, Estonia), Ane Johannessen, Cecilie Svanes, Hulda Rosa Thorarinsdottir, Mathias Holm, Lars Modig, Vivi Schlässens, Rain Jögi, Christer Janson, Andrei Malinovski

Sleep disorders and asthma incidence in adults: the CONSTANCES cohort
Annabelle Bédard (Paris, France), Sabine Plancoulaine, Bénédicte Leynaert, Mohammed Sedki, Raphaëlle Varraso, Céline Ribet, Marcel Goldberg, Marie Zins, Orianne Dumas, Rachel Nadif

Francesca Gonnelli (Ancona, Italy), Martina Bonifazi, Richard Hubbard
PA495 Lung Cancer Screening Improves Time to Diagnosis of Interstitial Lung Disease (ILD)
Alexandra Lawrence (London, United Kingdom), Marium Naqvi, Ruth Perez Renon, Katherine Myall, Kimuli Ryanna, Alex West

PA496 Respiratory mortality among subjects with a combination of chronic airway diseases: asthma, bronchiectasis, and chronic obstructive pulmonary disease in South Korea
Hyeon Hwa Kim (Seoul, Republic of Korea), Ye-Jee Kim, Sehee Kim, Sei Won Lee, Jae Seung Lee, Yeon-Mok Oh

PS-19 Session 63 08:00 - 09:30
Poster session: Challenges and perspectives of tobacco cessation in special groups of populations

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

Chairs : Stamatoula Tsikrika (Athens, Greece), H. Volkan Kara (Istanbul, Turkey)

PA497 Motivators of strong dependence on vaping among medical students
Elleuch Ahmed Dhia (Sfax, Tunisia), Gargouri Rahma, Khemakhem Rim, Moussa Nadia, Abderrahmane Babe, Bahloul Najla, Msaad Sameh, Ayadi Hajer, Feki Walid, Kammoun Samy

PA498 Addictive behaviours among medical students
Ahmed Dhia El Euch (Sfax, Tunisia), Gargouri Rahma, Khemakhem Rim, Feki Walid, Ayadi Hajer, Msaad Sameh, Moussa Nadia, Bahloul Najla, Kammoun Samy

PA499 The effect of physical exercise on the smoking cessation process among Physical Education and Sport Science students.
Katerina Pini (Athens, Greece), Stamatoula Tsikrika, Ioannis Vasileiadis, Anastassios Philippou, Ioannis Fatouros, Serafeim Nanas

PA500 Medical students and vaping – what do they know?
Ross Langley (Glasgow, United Kingdom), Holly Hamilton, Elizabeth Watt, Frankie Posner, Steve Turner, Kenneth Macleod

PA501 Opportunities of using ChatGPT for smoking cessation
Anna V Denchuk (Vinnytsia, Ukraine), Vitalina Harkusha, Vitalii Poberezhets, Tetyana Konstantynovych, Alina Dovgan, Nataliia Slepenchenko, Oksana Viltsaniuk, Mariia Ovcharuk

PA502 Smoking cessation - a quality improvement project
Ahmed Ali (London, United Kingdom)

PA503 Observations on Cytisine as a Smoking Cessation Aid: Initial Findings with an Adapted Therapeutic Approach in a Clinical Setting.
Paolo Pozzi (Sondalo, Italy), Roberto Boffi, Chiara Veronese, Sara Trussardo, Camilla Valsecchi, Federica Sabia, Ugo Pastorino, Francesco Tarantini, Elisa Cardani, Elena Munarini

PA504 Paternal pre-pubertal passive smoke exposure and impaired lung function trajectories in offspring
Jiacheng Liu (Melbourne, Australia), Jennifer Perret, Caroline Lodge, Don Vicendese, Sabrina Idroso, Bircan Erbas, Peter Frith, Michael Abramson, Haydn Walters, Shyamali Dharmage, Dinh Bui

PA505 Parental pre-pubertal passive smoke exposure and Early-Onset Adult-Remitting asthma trajectory in offspring
Jiacheng Liu (Melbourne, Australia), Jennifer Perret, Caroline Lodge, Don Vicendese, Sabrina Idroso, Jonathan Pham, Bircan Erbas, Michael Abramson, Haydn Walters, Shyamali Dharmage, Dinh Bui

PA506 Cigarette smoking, but not snuff usage, is associated with a systemic inflammatory profile in young adults
Sophia Björkander (Stockholm, Sweden), Susanna Klevebro, Natalia Hernandez-Pacheco, Anna Zettergren, Jochen Schwenk, Göran Pershagen, Anne-Sophie Merritt, Inger Kull, Anna Bergström, Erik Melen

PA507 Quitting rates of novel tobacco products in a model smoking cessation clinic (SCC)
Nikolaos Athanasiou (Athens, Greece), Vasiliki Doumou, Georgios Poupouzas, Arxontoula Antonoglou, Charis Georgiadis, Marios Ioannou, Zafeiria Barmparessou, Konstantinos Kotsifas, Paraskevi Katsaounou

PA508 Prevalence of smoking among healthcare personnel
Nemsli Ella (Tunis, Tunisia), Jaïel Nazzia, Jadi Mohamed Taher, Fenina Wafa, Aouadi Samira

PA509 Education, knowledge and Attitudes of midwives about smoking cessation perinatally. An update on the situation in Greece.
Paraskevi Katsaounou (Athens, Greece), Taxearchoula Delakovia, Athina Diamanti
| PA510 | Assessment of an optimised tobacco smoking exposure calculation | Sarah Freeley (Dublin, Ireland), Barry Moran, Cormac Mccarthy, Rachel Anglin, Alessandro Franciosi |
| PA511 | Smoking Among Healthcare Workers: A Study at Laghouat Public Hospital | Redouene Sid Ahmed Benazzouz (Alger, Algeria), Azzedine Mekideche, Massinissa Benyagoub, Keltoum Slimani, Safouane Benazzouz, Smail Lebouabi, Mounir Ould Setti |
| PA512 | Tobacco use status after one year depending on the type of tobacco | Makiko Kanai (Kyoto, Japan), Osamu Kanai, Takahiro Tabuchi |
| PA513 | Cannabis: the new tobacco ? | Elif Dagli (Istanbul, Turkey), Ummuhan Pece Sonmez, Pinar Pazarli, Osman Elbek, Banu Salepci, Füsün Yıldız, Pnar Ay, Murat Guner |
| PA514 | The value of online education in postgraduate smoking cessation training | Jia Zhou (Chongqing, China) |
| PA515 | Ethnicity, comorbidity differences and willingness to stop smoking amongst smokers in Singapore | Wesley Teck Wee Loo (Singapore, Singapore), Si Yuan Chew, Ken Cheah Hooi Lee, Mariko Siyue Koh, Pei Yee Tiew |
| PA516 | Knowledge, attitude and practice of smoking vape among medical students in Karachi, Pakistan. | Eman Sheikh (Karachi, Pakistan), Ashok Kumar |
| PS-2 | Session 64 | 08:00 - 09:30 |
| | Poster session: Physiology, muscle and exercise in health, respiratory disease and other long-term conditions |
| Disease(s) : | Interstitial lung diseases, Airway diseases, Respiratory critical care, Pulmonary vascular diseases |
| Method(s) : | Pulmonary rehabilitation, Cell and molecular biology, Imaging, Respiratory intensive care, Surgery, General respiratory, Pulmonary function testing, Physiology |
| Tag(s) : | Clinical |
| Chairs : | Neil Greening (Leicester, United Kingdom), Dimitrios Megaritis (Newcastle upon Tyne, United Kingdom) |
| PA517 | Thigh lean mass assessment during admission for acute exacerbation of COPD (AECOPD) – a novel DXA scanning protocol | Lorna Latimer (Leicester, United Kingdom), Hamish Mcauley, Cara Flynn, Tracy Thornton, Neil Greening, Matthew Richardson, Christopher Brightling |
| PA518 | Prevalence of sarcopenia and frailty in patients admitted to a respiratory inpatient subacute rehabilitation unit | Elaine Cribbin (Co. Kildare, Ireland), Kudos Anyakudo, Jacqueline Boyle, Liji Joseph, Ciara Walsh, Minesh Kooblall |
| PA519 | Measurements of pectoral muscle area derived from thoracic CT scans can identify quadriceps muscle weakness, a treatable trait in COPD patients | Laurent Razat (La Tronche, France), Renaud Tanisier, Marie Destors, François Arbib, Léa Ruez Lantuéjoul, Corinne Lioiodice, Jean-Louis Pépin, Bruno Degano |
| PA520 | Body composition and nutrient intake of Sri Lankan adults living with COPD: a cross-sectional study | Chamilali Perera (Kelaniya, Sri Lanka), Akila Jayamaha, Thamara Amarasekara, Anthony Seneviratne, Ravini Karunathilake, Amitha Fernando, Barton Andy, Micheal Steiner, Savithri Wimalasekara, Sally Singh, Mark Orme |
| PA521 | Biological events in systemic and muscle compartments of sarcopenic bronchiectasis patients: implications in pulmonary rehabilitation | Adriana Núñez Robainas (Barcelona, Spain), Mariela Nieves Alvarado Miranda, Adrián López Postigo, Maria Cinta Cumpli Gargallo, Marina Sainz Hernández, Esther Barreiro |
| PA522 | Respiratory involvement and neuromotor function in a cohort of Patients With Facioscapulohumeral Dystrophy Type 1: A Retrospective Study | Valerio Patitso (Milano, Italy), Elena Carraro, Elisabetta Roma, Massimo Croci, Paolo Tarsia, Andrea Lizio, Valeria Ada Sansone |
| PA523 | Relationship between lung volume and endurance in patients with interstitial lung disease | Masashi Zenta (Ichikawa, Japan), Kenji Tsushima, Tomohiro Hattori, Jin Kubo, Natsuko Yuzuguchi, Minami Akama, Satoshi Kido |
| PA524 | The acute cardiorespiratory response to blood flow restriction strength exercise in healthy individuals: a randomized crossover trial | Manuel Kuhn (Zurich, Switzerland), Dario Kohlbrenner, Adrian Kläy, Martin Lüchinger, Thomas Radtke, Sarah Haile, Malcolm Kohler, Noriane Sievi, Christian Clarenbach |
The acute cardiorespiratory response to blood flow restriction interval cycling in patients with COPD: a randomized crossover trial
Manuel Kuhn (Zurich, Switzerland), Christian Clarenbach, Adrian Kläy, Martin Lüchinger, Malcolm Kohler, Thomas Radke, Sarah Haile, Noriane Sievi, Dario Kohlbrenner

The effect of blood-flow restricted strength and sprint training on skeletal muscle mitochondrial function in persons with COPD: a randomised controlled study
Dario Kohlbrenner (Copenhagen, Denmark), Lukas Moesgaard, Søren Jessen, Matteo Fiorenza, Sophie Møller, Camilla Collin Hansen, Jens Bangsbo, Morten Hostrup

Phrenic nerve conduction study in patients after Covid-19
Helena Nics (Vienna, Austria), Karin Vonbank, Ralf Harun Zwick, Benjamin Sabic, Ana Oljaca, Tatjana Paternostro-Slug

Post-COVID-19 Dyspnea: The Role of Surfactant in Lung Diffusion
Olha Shchudro (Dnipro, Ukraine), Tetyana Pertseva, Lyudmyla Konopkina, Yuliia Huba, Larysa Botvinikova, Olena Myronenko

Is there a difference in vascular reactivity between healthy individuals and post-COVID-19 patients as assessed by infrared spectroscopy?
Luara Inocêncio (Campinas - SP, Brazil), Bruna Scharlack Vian, Giovani Grisotti Martins, Mônica Corso Pereira, Rickson Coelho Mesquita, Ligia Dos Santos Roceto Ratti

Endothelial function one year after COVID-19: unexpected results
Natalia Habshydze (Dnipro, Ukraine), Tetyana Pertseva, Lyudmyla Konopkina, Mariia Krykhtina

Effect of high-intensity resistance training (HIRT) on pulmonary and systemic immune responses in older adults with metabolic syndrome

Resistance Training Improves Lung Function, Respiratory and Peripheral Muscle Strength and Pulmonary Immune Response in Older Adults without COPD
Rodolfo P Vieira (Anápolis, Brazil), Anamei Silva-Reis, Meiry De Souza Moura Maia, Eduarda Teodora Rachid Wolpp, Naiara Nadia Moreira, Rosa Helena Ramos Paula-Vieira, Fernanda Rodrigues Monteira, Luis Vicente Franco De Oliveira, Andre Luis Lacerda Bachi, Yanesko Fernandes Bella

Expression of Irisin in Pulmonary Rehabilitation of COPD Patients and Its Prognostic Value
jiao ma (MANCHESTER, United Kingdom), Zhuoxiao Han, Jingjing Yan, Zheng Liu, Aihong Meng

The pre-operative endurance shuttle walk test for assessing Postoperative Pulmonary Complications in patients undergoing Video-Assisted Thoracoscopic Surgery
Noppawan Charususin (Pathumthani, Thailand), Kornanong Jannongsart, Jetsada Nantathaweephol, Kittisak Saekee, Natthawut Chuensawad, Omchai Rattananont

Differences in the expression of microRNAs 16-5p and 451a after acute exercise in patients with thrombosis versus healthy subjects
Remedios Otero Candelera (Sevilla, Spain), Verónica Sánchez Lopez, Berenice Brown Areola, Elva Mendoza Zambrano, Noelia Sola Igidora, Maria Dolores Nuñez Ollero, David Hervás Marín, Teresa Elias Hernández, Luis Jara Palomares, Julia Oto Martínez, Pilar Medina Badenes, Pilar Cejudo Ramos

The Relationship Between Dyspnea-related Kinesiophobia and Depression and Anxiety in COPD Patients with Perception of Mild and Severe Dyspnea
Melissa Köprüülüoğlu (Izmir, Turkey), Elvan Felekoğlu, Ilknur Naz

Poster session: Lights and shadows of paediatric bronchoscopy

Disease(s) : Airway diseases
Method(s) : Epidemiology  General respiratory patient care  Endoscopy and interventional pulmonology  Imaging  Surgery  Respiratory intensive care
Tag(s) : Clinical
Chairs : Raffaella Nenna (Rome, Italy), Uros Krivec (Ljubljana, Slovenia)

Transbronchial cryobiopsy is feasible and safe in children and adolescents
Karsten Kötz (Göteborg, Sweden), Oli Hermansson, Philip Wilmar, Christina Kavouridou

Utility and safety of portable flexible bronchoscopy in children done out of the operation theatre(OT) setting in a resource-limited setting from Nepal
Jagat Jeewan Ghimire (Kathmandu, Nepal)
The contribution of flexible fiberoptic bronchoscopy in diagnosing of unresolved hemoptysis in children

Buruç Çapraz Yavuz (Ankara, Turkey), Ebru Yağcı, Meltem Akçıl Erdal, Havva Ipek Demir, Raziye Atan, Pınar Özdemir Yaşar, Nagehan Emiralioglu Ordukaya, Deniz Doğru, Üğur Özçelik

Airway investigations in paediatric congenital heart disease: an exploration of current practice

Nathan Hancock (, United Kingdom), Kamini Jain, Marianne Elloy, Frances Bulock

The Role and Importance of Flexible Bronchoscopy in Immunosuppressed Children presenting with Pulmonary Complications

Sanem Eryılmaz Polat (Ankara, Turkey), Şule Selin Akyan Soydaş, Murat Yasin Gençoğlu, Salih Uytun, Satı Özkan Tabakçı, İşıl Bilgiç, Meltem Kürtül Çakar, Ayyuçe Akşems Kılıç, Bahar Ece Tokdemir, Hande Yeriş, Çelebi Yıldırım, Dilber Ademhan Tural, Gökşen Đilsa Tuğçu, Betül Karaatmaca, Namık Yaşar Özbek, Ayşe Metin, Güzin Cinel

The Diagnostic impact of flexible bronchoscopy in paediatrics: revealing unseen dimensions

Muna Dahabreh (Amman, Jordan), Surendran Thavagnanam, Chinedu Nwokoro, Caroline Pao, Abigail Whitehouse, Sarah Brown

Complications of flexible bronchoscopy in children - a retrospective cohort study

David Lo (Leicester, United Kingdom), Abdurrahman Manga, Elizabeth Simmie, Manisha Ramphul

Pulmonary embolization in pediatric patients

Ayse Tana Aslan (Ankara, Turkey), Nilgun Kula, Tugba Sismanlar Eyuboglu, Mehmet Koray Akkan, Oznur Leman Boyunaga, Ahmet Baran Onal

The Role and Importance of Flexible Bronchoscopy in Immunosuppressed Children presenting with Pulmonary Complications

Sanem Eryılmaz Polat (Ankara, Turkey), Şule Selin Akyan Soydaş, Murat Yasin Gençoğlu, Salih Uytun, Satı Özkan Tabakçı, İşıl Bilgiç, Meltem Kürtül Çakar, Ayyuçe Akşems Kılıç, Bahar Ece Tokdemir, Hande Yeriş, Çelebi Yıldırım, Dilber Ademhan Tural, Gökşen Đilsa Tuğçu, Betül Karaatmaca, Namık Yaşar Özbek, Ayşe Metin, Güzin Cinel

Experience with Flexible Bronchoscopy for Non-COVID-19 Indications in Pediatric Patients During the COVID-19 Pandemic

Sanem Eryılmaz Polat (Ankara, Turkey), Fatma Merve Ankan, Murat Yasin Gençoğlu, Şule Selin Akyan Soydaş, Salih Uytun, Satı Özkan Tabakçı, İşıl Bilgiç, Meltem Kürtül, Dilber Ademhan Tural, Gökşen Đilsa Tuğçu, Güzin Cinel

Haemoptysis in childhood: 10 years single centre experience

Fazilean Zirek (Ankara, Turkey), emine semra küçük öztürk, Merve Nur Tekin, Mahmut Turğut, Secahattin Bayav, Mukaddes Ağırtıcı, Esin Gizem Olgun, Gizem Özcan

Bronchial malformations in children: anatomical diversity and clinical-imaging features

Svetlana Sciuca (Chisinau, Republic of Moldova), Ala David, Rodica Selevestru, Iana Coropceanu, Nelea Buga, Jana Bernic, Eva Gedumac

Congenital tracheal stenosis: different clinical pictures for the same disease

Greta Di Mattia (Roma (RM), Italy), Laura Petrarca, Enrica Mancino, Luigi Matera, Maria Giulia Conti, Antonella Frassanito, Domenico Paolo La Regina, Raffaella Nenna, Francesco Morini, Fabio Midulla

Delayed diagnosis of foreign body aspiration in children: complications and treatment

Veronica van der Land (Amsterdam, Netherlands), Eric Haarman, Bianca Dontje, Suzanne Terheggen-Lagro, Niels Rutjes

Plastic bronchitis mimicking foreign body aspiration in child-case report

Ilija Kirovski (Skopje, North Macedonia), Vili Stamkova

Blinatumomab-Induced Pneumonitis in a Pediatric Case in B-cell Acute Lymphoblastic Leukemia

Mina Hizal (Ankara, Turkey), Deniz Yaşar, Tuğba Ramasli Gürsoy, Şule Yeşil, Ali Fettah

Etiology of Primary Spontaneous pneumothorax in Children and Adolescents

Dilber Ademhan Tural (Ankara, Turkey), Beste Özsezen, Pelin Ozlem Simsek Kiper, Ekim Taskuran, Halime Nayir Buyukaksar, Ismail Guzelkas, Birce Sunman, Beren Karaozanoglu, Gozde Imren, Tutku Soyer, Gulen Eda Uline, Nagehan Emiralioglu, Ebru Yalcin, Deniz Doğru, Nural Kiper, Ügur Özcemik

STRIDOR IN CHILDREN AS INDICATION FOR BRONCHOSCOPY. EPIDEMIOLOGICAL DATA OF ONE REFERENCE CENTER.

Melpomeni Bizhga (Tirana, Albania), Spiro Sila, Gjergji Bizhga

Initial Experience of new thin flexible bronchoscope (EB-710P) in extraction of airway foreign bodies in paediatric population of 0-5 years

Belgundi Preeti (Davangere (Karnataka), India), Harikishan Gonuguntla

Evaluation of children with chest deformities in earthquake region

Pelin Asfuroglu (Ankara, Turkey)

Poster session: New opportunities and challenges in the management of cystic fibrosis

Session 66 08:00 - 09:30
**Disease(s):** Airway diseases  

**Method(s):** General respiratory patient care, Pulmonary function testing, Epidemiology, Imaging, Pulmonary rehabilitation  

**Tag(s):** Clinical  

**Chairs:** Eleana Kouroukli (Thessaloniki, Greece), Chair to be confirmed

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**PA556**  
Real-life experience with a generic formulation of Elexacaftor/Tezacaftor/Ivacaftor in patients with Cystic Fibrosis with responsive CFTR variants without previous modulators therapy  
Alejandro Teper (Ciudad Autónoma Buenos Aires, Argentina), Silvina Lubovich, Silvina Zaragoza, Viviana Rodriguez, Ezequiel Rodriguez, Florencia Bracamonte, Lucia Ray, Grecia Frias

**PA557**  
Effect of Elexacaftor/tezacaftor/ivacaftor on allergic bronchopulmonary aspergillosis in a paediatric cystic fibrosis population  
Magdalena Smolkova (Cambridge, United Kingdom), Kerstin Philipp, Kieren Lock, Louise Selby

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**PA558**  
Follow-up of a cohort of patients with cystic fibrosis in therapy with Elexacaftor-Tezacaftor-Ivacaftor  
Arturo Penco (Trieste, Italy), Simone Ramazzotti, Sergio Ghirardo, Laura Mazzari, Arianna Traunero, Laura Badina, Francesca Peri, Alessandro Amaddeo, Massimo Maschio

**PA559**  
Triple modulator therapy effects in children and young adults with cystic fibrosis  
Elvira Rizza (Torino, Italy), Laura Barrocu, Lucia Ronco, Anna Folino, Manuela Goia, Irene Esposito

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**PA560**  
Prompt effect of ELX/TEZ/IVA on the lung function in patients with cystic fibrosis in North Macedonia  
Elena Krsteska (Skopje, North Macedonia), Andrijana Andreewska Stepanovska, Valentina Cvejoska Cholakovska, Lidiija Spirevska, Boshko Koloski, Aleksandar Stepanovski, Stojka Fustik

**PA561**  
Optimizing nutritional strategies for cystic fibrosis pediatric patients ineligible for CFTR modulators  
Ibltehal Al-Harbi (Riyadh, Saudi Arabia), Alanood Alanazi, Mohammed Alzaid, Hammad Alsaadoon, Safa Eltahir, Jawaher Mukhtar, Suha Al-Saleh, Wadha Alotaibi, Sabah Alshalabi

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**PA562**  
Clusters of lung clearance index trajectories and survival in people with cystic fibrosis  
Anja Maria Schaffer (Graz, Austria), Sereina Herzog, Philipp Latzin, Florian Singer

**PA563**  
The relationship between infant and preschool lung function in cystic fibrosis. A pilot follow-up study.  
Václav Koucký (Tanvald, Czech Republic), Radim Bláha, Veronika Skalická, Jana Bartošová, Tereza Doušová, Petr Pohunek

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**PA564**  
Cystic Fibrosis in Turkey: Ministry of Health Data  
Tuğba Şişmanlar Eyuboglu (Ankara, Turkey), Ayse Tana Aslan, Zulfikar Akelma, Mahir Ulgu, Mustafa Okan Ayvalı, Naim Ata, Suayip Birinci

**PA565**  
Enhancing Parental Knowledge of Cystic Fibrosis Through Education  

**PA566**  
Evaluation of Predictive Biomarkers for Pulmonary Exacerbations in Cystic Fibrosis  
Ayse Tana Aslan (Ankara, Turkey), Tugce Celtik, Volkan Medeni

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**PA567**  
Lung ultrasound correlation with chronic inflammation in CF lung disease  
Diana Popin (Timisoara, Romania), Liviu Pop, Mihaela Dediu, Ioana Ciucea

**PA568**  
Prospective study of oral health in children and adults with cystic fibrosis (CF)  
Marianne Muhlebach (Chapel Hill, United States), Cristian Roca Avendano, Matthew Wolfgang, Apoena De Aguiar Ribeiro, Margaret Rosenfeld, Donald Chi

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**PA569**  
The effect of telemonitoring in preventing lung function decline in cystic fibrosis  
Elpis Hatzigorou (Thessaloniki, Greece), Sirmatenia Styliani Kyrvasili, Athina Sopiadou, Elisavet-Anna Chrysochou, Maria Galogavrou, Christos Kogias

**PA570**  
Comprehensive genetic and clinical profiling of people with cystic fibrosis ineligible for CFTR modulator therapy: Insights from a diverse patient cohort  
CEREN AYÇA YILDIZ (İstanbul, Turkey), Merve Selçuk Balıç, Seyda Karabulut, Zeynep Münteha Başer, Neval Metin Çakar, Müge Merve Akkitap Yiğit, Eda Esra Baysal, Fulya Özdemircioğlu, Burcu Uzunoğlu, Gamze Taştan, Almala Pınar Ergenekon, Yasemin Gökdemir, Ela Erdem Eralp, Yasemin Gökdemir, Pinar Ata, Bülent Karadağ

**PA571**  
Declining trend in chronic Staphylococcus aureus and Pseudomonas aeruginosa infections in CF patients: A 4-year retrospective analysis  
Andrijana Andreewska Stepanovska (Skopje, North Macedonia), Elena Krsteska, Valentina Cvejoska Cholakovska, Lidiija Spirevska, Aleksandar Stepanovski, Stojka Fustik
**PA572**
Evaluating the efficacy of IRT-based newborn screening for cystic fibrosis in a Turkish tertiary care center
Cigdem Korkmaz (İstanbul, Turkey), Aysel Kilic, Azer Kilic Baskan, Ayse Ayzzit Kiline Sakalli

**PA573**
Demographic and anthropometric changes of patients with cystic fibrosis by years, relationship between variables and survival analysis
Seyda Karabulut (İstanbul, Turkey), Mine Kalyoncu, Merve Selçuk, Neval Metin Çakar, Ceren Ayça Yıldız, Burcu Uzunoğlu, Gamze Taşta, Almala Pınar Ergenekon, Ela Erdem Eralp, Yasemin Gökdemir, Fazilet Karakoç, Bülent Karadağ

**PA574**
Evaluation of social determinants of health in people with cystic fibrosis living at the affected areas of devastating earthquake in Turkey: multicenter-study
Seyda Karabulut (İstanbul, Turkey), Velat Şen, Beste Özsezen, Ali Özdemir, Suat Savaş, Hadice Selimoğlu Şen, Gaye Inal, Mahir Serbes, Pelin Asfuroğlu, Evgi Çay, Engin Topal, Melih Hangül, Almala Pınar Ergenekon, Ela Erdem Eralp, Sedat Öktem, Zeynep Seda Uyan, Fazilet Karakoç, Bülent Karadağ, Yasemin Gökdemir

**PA575**
Social determinants of health in Cystic Fibrosis
Seyda Karabulut (İstanbul, Turkey), Neval Metin Çakar, Mine Kalyoncu, Merve Selçuk, Ceren Ayça Yıldız, Damla Kocamaz, Burcu Uzunoğlu, Gamze Taşta, Almala Pınar Ergenekon, Yasemin Gökdemir, Ela Erdem Eralp, Fazilet Karakoç, Bülent Karadağ

**PS-22**
Session 67 08:00 - 09:30

**Poster session: Don’t let me down: chronic rejection after lung transplantation**

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

**Method(s):** Epidemiology, Transplantation, Imaging, Pulmonary function testing, Cell and molecular biology, Respiratory intensive care, Surgery

**Tag(s):** Clinical

**Chairs:** Peter Jaksh (wien, Austria), Louise Bondeelle (geneva, Switzerland)

**PA576**
Symptomatic new-onset bronchiectasis after allogeneic haematopoietic stem cell transplantation – revealing an undiagnosed complication
Ophir Freund (Tel Aviv, Israel), Yitzhac Hadad, Gidon Pomerantz, Avshalom Shaffer, Dolev Paz, Nevo Barel, Tal Moshe Perluk, Ron Ram, Amir Bar-Shai

**PA577**
The plgR/IgA system alteration: an early biomarker for bronchiolitis obliterans syndrome?
François Carlier (Namur, Belgium), Alexandre Vallée, Thomas Planté-Bordeneuve, Charles Pilette, Olivier Brugièr, & The Colt Consortium Investigators

**PA578**
Dynamic of Angiotensin type I receptor antibodies is associated with poor graft function following lung transplant
Andrei Darie (Melbourne, Australia), Bronwyn Levvey, Helen Shingles, Miranda Paraskeva, Kovi Levin, Samantha Ennis, Steven Hiho, Lucy Sullivan, Glen Westall, Gregory Snell

**PA579**
Trends in survival and CLAD rates after lung transplantation in Europe
Emilie Hofstetter (München, Germany), Robin Vos, Michael Perch, José-Manuel Cifrian Martinez, Giandomenico Manna

**PA580**
Dynamic 19F MRI of pulmonary ventilation in lung transplant recipients with and without chronic lung allograft dysfunction
Saskia Bos (Newcastle upon Tyne, United Kingdom), Charlotte W Holland, Mary A Neal, Andrew J Fisher, Peter E Thelwall

**PA581**
Impact of serial lung function metrics after lung transplantation: a retrospective cohort study
Milan Mohammad (Østerbro, Denmark), Jacob Hartmann, Jann Mortensen, Ronan Berg

**PA582**
The pleural proteome in lung transplant recipients and non-transplant patients
Carlo Mümler (München, Germany), Michael Gerkens, Christopher Abooo, Nicole Weiss, Anna Semenova, Benjamin Neumann, Eleonora Tonino, Laura Lambrecht, Nikolais Lehnert, Ali Onder Yildirim, Herbert B. Schiller, Allan Stensballe, Jürgen Behr, Nikolaus Kneidinger

**PA583**
Characterization of baseline lung allograft dysfunction in single lung transplant recipients

**PA584**
Early outcomes after lung transplant from donation after cardiocirculatory death. Monocentric experience.
Mario Nosotti (Milano (MI), Italy), Alessandro Palleschi, Vittorio Scaravalli, Margherita Brivio, Letizia Morlacchi, Valeria Rossetti, Lorenzo Rosso
**PA585**
Prognostic marker for Bronchiolitis Obliterans Syndrome after Lung Transplant: Collagen Type IV Alpha 5 Chain.
Marco Guerrieri (Siena, Italy), Martina Armati, Stefano Cattelan, Maddalena Messina, Beatrice Perea, Miriana D'Alessandro, Sara Gangi, Paolo Cameli, Felice Perillo, David Bennett, Antonella Fossi, Michele Genovese, Elena Bargagli, Laura Bergantini

**PA586**
Lung retransplantation: the only hope for some patients
Elena Lesaga López (Córdoba (Córdoba), Spain), Estefanía Mira Padilla, Francisco Navarro Muñoz, María José Cadenas De Llano, María Jesús Cobos Ceballos, José Manuel Vaquero Barrios

**PA587**
Spirometry telemonitoring in lung transplant patients
Mikołaj Basza (Nysa, Poland), Wojciech Bojanowicz, Fryderyk Zawadzki, Mateusz Soliński, Dagmara Galle, Weronika Kowalczyk, Łukasz Kołtowski, Tomasz Hrapkowicz, Marek Ochman

**PA588**
Late Breaking Abstract - Infodemiology in lung transplantation and access to transplant programs worldwide: inequalities in Latin America
Ivan Cherez-Ojeda (Guayaquil, Ecuador), Juan C Calderon, Jorge Caneva, Juan Manuel Ossés, Arturo Cortes-Telles, Ricardo Figuereido, Nadya Bejarano, Gabriela Rodas-Valero, Ana Ochoa-Brito, Lizzy Orellana, Juan Pablo Achi, Miguel Felix, Leonardo Cano, Karla Robles-Velasco

**PA589**
Late Breaking Abstract - Secretory phospholipase A2-IIA in lung allografts: association with bile acid aspiration, bacteria and inflammatory mediators.
Elena Floris (New York, United States), Chiara Camillo, Rayoun Ramendra, Miguel Leiva-Juárez, Anna Miller, Luke Benvenuto, Tereza Martimu, Frank D’Ovidio

**PA590**
Late Breaking Abstract - Ex vivo lung perfusion prolongs donor lung preservation in mice via Hippo signaling-mediated vascular barrier integrity
Tian Jiang (Shanghai, China), Renhui Huang, Shaoyuan Zhang, Changhao Ren, Jun Yin, Lijie Tan

**PA591**
Late Breaking Abstract - CLAD phenotype determines post-CLAD outcome: a contemporary single center analysis
Andrea Zajacova (Leuven, Belgium), Hanne Beecmans, Peterjan Kerckhof, Bart Vanaudenaeerde, Saskia Bos, Robin Vos

**PA592**
Late Breaking Abstract - Comparison of Ex Vivo Airway Epithelium of Transplant Recipients
Louise Bondeelle (Geneva, Switzerland), Fedor Bezrukov, Claudio Devito, Jean Villard, Constant Genzous, Sheryline Loison, Sophie Clement, Song Huang, Samuel Constant, Anne Bergeron, Caroline Tapparel

**PS-23**
Session 68 08:00 - 09:30
Poster session: Emerging concepts in exercise testing and training in respiratory disease

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

**Method(s):** Pulmonary rehabilitation, Transplantation, Physiology, General respiratory patient care

**Tag(s):** Clinical

**Chairs:** Chris Burtin (Diepenbeek, Belgium), Sara Catherine Buttery (London, United Kingdom)

**PA593**
Effects of Different Exercise Training Modalities on Exercise Capacity and Respiratory Muscle Function in Lung Cancer Survivors: a pilot study
Naciye Varvar Yaglı (Ankara, Turkey), Kübra Kilic, Melda Saglam, Ebru Calik Kütükçü, Deniz İnal İnce, Saadeetin Kılıçkalp

**PA594**
Quality of life after Preoperative Home-based Exercise Training in patients with Lung Cancer: a Responder Analysis
Sara Pimenta (Meirinhas, Portugal), Pedro Machado, Cândida G. Silva, Ana Luis Garcia, Tiago Nogueira, Sónia Silva, Cláudia Lores Dos Santos, Maria Vitória Martins, André Canha, Bárbara Oliveira, Raul A. Martins, Joana Cruz

**PA595**
Effects of early rehabilitation during hospitalization for exacerbation of COPD
Ana Filipa Machado (Senhora da Hora, Porto, Portugal), Kirsten Quadflieg, Sarah Haesevoets, Anand Dederen, David Rutten, Alda Marques, Chris Burtin

**PA596**
Accessibility, benefits and level of enjoyment following an eight-week pulmonary telerehabilitation program in people with respiratory conditions.
Lissa Spencer (Sydney (NSW), Australia), Ling Ling Tsai, Amanda Meaulnty, Jennifer Alison

**PA597**
"It made me happier, more relaxed, more enjoying what I was doing": Patients' experiences of self-selected music listening during pulmonary rehabilitation
Annemarie Lee (Melbourne (VIC), Australia), William Symington, Peter Jung, Jeanette Tamplin, Imogen Clark

**PA598**
Pulmonary rehabilitation in patients with connective tissue disease-associated interstitial lung disease: a systematic review
Irem Seleoglu (Ankara, Turkey), Aynur Demirel
The effects of an eight week training program on resting heart rate recovery after an AECOPD
Marieke Wuyts (Leuven, Belgium), Mirka Rozenski, Sofie Breuls, Astrid Blondeel, Fien Hermans, Stephanie Everaerts, Eric Derom, Wim Janssens, Heleen Demeyer, Thierry Troosters

Can the 6MST be used to estimate endurance training intensity? A cross sectional study.
Tristan Bonnevie (Saint Léger Du Bourg Denis, France), Augustin Clet, Jean-Sébastien Prévinaire, Pauline Smondack, Yann Combret, Clément Médrinaì, Guillaume Prieur, Fairuz Boujibar, Jean-François Muir, Antoine Cuvelier, Jean-Marie Grosbois, David Debeaumont, Marc Beaumont, Elise Artaud-Macari, Francis-Edouard Gravier

The 6MST is valid to estimate endurance training workload: A cross validation study.
Tristan Bonnevie (Saint Léger Du Bourg Denis, France), Augustin Clet, Jean-Sébastien Prévinaire, Pauline Smondack, Yann Combret, Clément Médrinaì, Guillaume Prieur, Fairuz Boujibar, Jean-François Muir, Antoine Cuvelier, Jean-Marie Grosbois, David Debeaumont, Marc Beaumont, Elise Artaud-Macari, Francis-Edouard Gravier

Utilizing artificial intelligence for exercise prescription and heart rate monitoring in cardiorespiratory rehabilitation
Cassia Goulart (São Carlos, Brazil), Marcela Lopes Alves, Fernando D’Angelo Medeiros, Robson Fernando Borges, Glauco Lima Rodrigues, Graziella França B. Cipriano, Gerson Cipriano Junior

The relationship between fear of movement, fatigue severity, dyspnea perception and 1-minute sit-to-stand test performance in lung transplantation recipients
Ulas Ar (Ankara, Turkey), Ebru Calik-Kutukçu, Erdal Yekeler

Investigation of exercise capacity, respiratory and peripheral muscle strength and fatigue in patients underwent pneumonectomy for lung cancer
Gülşüm Serttaş Güven (Burdur, Turkey), Meral Boşnak Güçlü, Nur Dilvin Özkan Koyuncuoğlu, Ismail Cüneyt Kurul, Ali Çelik

A comparison of exercise capacity, respiratory functions, and quality of life in heart failure patients with and without inspiratory muscle weakness and healthy controls
Nihan Katayrça (Hatay, Turkey), Meral Boşnak Güçlü

Cardiac hemodynamic behavior during the 1-minute sit-to-stand test in pulmonary hypertension patients
Vanessa Resqueî (Natal (RN), Brazil), Ilisa Priscila Santos, Natália Cardoso, Karen Laurentinoo Nascimento, Stefany Lopes, Joceline Sá, Rodrigo Torres-Castro, Isabel Blanco, Guilherme Fregonezi

Comparison of muscle oxygenation during Cardiopulmonary exercise and Six-minute walk tests in patients with primary immunodeficiency
Riad Bejta (Ankara, Turkey), Meral Boşnak Güçlü, Caner Aytêkin

Effect of elastic tape on the thoracoabdominal kinematics in moderate to very severe individuals with COPD: a crossover study
Estêfane Reis (São Paulo, Brazil), Adriana Lunardi, Cibele C. B. Marques Da Silva, Thiago F. Pinto, Regina M. Carvalho-Pinto, Alberto Cukier, Celso R. F. Carvalho, Juliana M. B. Santos

Does Muscle Oxygenation During The 6-Minute Walk Test in Fibrosing Lung Disease?
Fulya Senem KARAAHMETOGLU (İstanbul, Turkey), Esra Pehlivam, Melih Zeren, Zeynep Betül Özcen, Barış Demirkol, Erdoğan Çetinkaya

Exercise capacity and activities of daily living in COPD patients with mild and higher symptom scores
Deniz Inal-Ince (Ankara, Turkey), Filiz Eyuboğlu, Melda Saglam, Naciye Vardar-Yagli, Ebru Calik-Kutukçu, Lutfi Coplu, Hulya Arıkan

Late Breaking Abstract - Muscle oxygenation and cardiorespiratory responses during one and two-leg exercise tests in chronic obstructive pulmonary disease
Elif Kocaaga (ANKARA, Turkey), Aslıhan Cakmak-Onal, Oguz Karcigöllü, Deniz Inal-Ince

Poster session: Highlights of respiratory physiotherapy assessments

PS-24 Session 69 08:00 - 09:30

Disease(s) : Airway diseases, Sleep and breathing disorders, Thoracic oncology, Interstitial lung diseases, Respiratory critical care
Method(s) : Pulmonary rehabilitation, General respiratory patient care, Surgery, Public health, Pulmonary function testing
Tag(s) : Clinical
Chairs : Maria Koulopoulou (London, United Kingdom), Daniel Langer (Leuven, Belgium)

TRANSLATION AND CROSS-CULTURAL ADAPTATION OF THE ASTHMA SELF-MANAGEMENT QUESTIONNAIRE FOR THE BRASILIAN POPULATION
Lucien Peroni Gualdi (Natal (RN), Brazil), Lenice Da Costa Lopes, Maria Luiza De Araújo Teixeira, Layane Costa Da Silva, Rencio Bento Florêncio, Illia Florentino Lima
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<td><strong>Poster session:</strong> Tuberculosis epidemiology, diagnostics and novel tools</td>
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<td><strong>Disease(s):</strong></td>
<td>Respiratory critical care, Airway diseases</td>
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<td><strong>Method(s):</strong></td>
<td>Cell and molecular biology, Physiology, Public health, General respiratory patient care, Epidemiology, Imaging, Pulmonary function testing</td>
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<td><strong>Tag(s):</strong></td>
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<td><strong>Chairs:</strong></td>
<td>Antonia Saktiawati (Yogyakarta, Indonesia), Chair to be confirmed</td>
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<th><strong>PA631</strong></th>
<th>The potential of an electronic nose as a screening tool for tuberculosis (TB)</th>
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<td>Antonia Saktiawati (Yogyakarta, Indonesia), Kuwat Triyana, Shidiq Hidayat, Riris Ahmad, Ari Probandari, Dian Nurputra, Yodi Mahendradhata</td>
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<th><strong>PA632</strong></th>
<th>Early experience with Xpert MTB/RIF Ultra point-of-care testing at the Singapore Tuberculosis Control Unit</th>
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<td>Shera Tan (Singapore, Singapore), Lovel Galamay, Timothy Mark Sebastian Barkham, Huixian Woo, Suay Hong Gan, Bin Eng Cynthia Chee, Yee Tang Wang</td>
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<td>Shera Tan (Singapore, Singapore), Lovel Galamay, Timothy Mark Sebastian Barkham, Huixian Woo, Bin Eng Cynthia Chee, Yee Tang Wang</td>
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<th><strong>PA634</strong></th>
<th>Microbiological outcome of trace results on Xpert MTB/RIF Ultra: An early experience at Singapore’s Tuberculosis Control Unit</th>
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<th>Exploring Discordance: Assessing Linezolid Resistance in Mycobacterium tuberculosis through Phenotypic DST and Genotypic Nanopore Sequencing Methods.</th>
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<td>Rashmi Ratnam (Lucknow, India), Parul Jain, Amita Jain</td>
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<th>Diagnostic accuracy of Xpert MTB/RIF Ultra in bronchial aspirate specimens for microbiological confirmation of pulmonary tuberculosis in patients with negative smear and Xpert MTB/RIF Ultra results in sputum</th>
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<td>Dumitru Chesov (Chisinau, Republic of Moldova), Nelly Ciobanu, Valentina Polevoi, Elena Chesov, Alexandru Codreaun, Christoph Lange, Valeriu Crudu</td>
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<th><strong>PA637</strong></th>
<th>Drug resistance characterization and whole genome sequencing of extensively drug-resistant (XDR) and pre-XDR M.tuberculosis from TB patients in Kazakhstan</th>
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<td>Ulan Kozhamkulov (Astana, Kazakhstan), Zhamnur Abilova, Ainur Akhmetova, Saule Rakhimova, Nuray Tynyshtykbayeva, Diana Karabekova, Asset Danyiarov, Ulygbek Kairov, Joseph Almazan, Ainur Akilzhanova</td>
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<th><strong>PA638</strong></th>
<th>Emerging threats: PreXDR and XDR-TB strains among MDR-TB cases in Romania.</th>
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<td>Traian Constantin Panciu (Constanta (Constanta), Romania), Dragos Baiceanu, Roxana Coriu, Ana Constantin, Emilia Tabacu, Oana Popescu, Irina Strambu, Elmina Ibraim, Beatrice Mahler</td>
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<th>Emergence of bedaquiline resistance among clinical isolates of Multi-Drug Resistant-Mycobacterium tuberculosis from Northern part of India</th>
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<td>Devendra Singh Chauhan (Agra, India), Ajay Vir Singh, Roopendra Kumar, Rajbala Yadav, Santosh Kumar</td>
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<th>Association of multidrug-resistant tuberculosis with M.tuberculosis Beijing genotype among new cases in Kazakhstan</th>
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<td>Ainur Akhmetova (Astana, Kazakhstan), Zhamnur Abilova, Dauren Yerezhepov, Anar Rakisheva, Ainur Akilzhanova, Ulan Kozhamkulov</td>
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<th><strong>PA641</strong></th>
<th>Platelets aggregate in tuberculomas and augment NETs and MMP to worsen TB immunopathology in clinical, murine and in vitro studies</th>
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<td>Hyeyoung Lee (Singapore, Singapore), Fei Kean Loh, Pei Min Thong, Xuan Ying Poh, Ting Huey Hu, Hai Tarnng Chong, Bai Chen, Siow Moy Fong, Wei Keat Teo, Ming Lee, Char Loo Tan, Cristine Szu Lyn Ding, Joshua K Tay, Andres F. Vallejo, Tsin Wen Yeo, Catherine Ong</td>
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<th><strong>PA642</strong></th>
<th>Single-cell transcriptome analysis reveals the heterogeneity of immune cells in peripheral blood of patients with mild and severe tuberculosis</th>
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<td>Wei Sha (Shanghai, China), Li Wang</td>
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<th><strong>PA643</strong></th>
<th>Genome wide differential methylation analysis reveals aberrant methylation of T cell immune response related genes in tuberculosis patients</th>
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<td>Ankit Kumar (Chandigarh, India), Indu Verma, Ashutosh Nath Aggarwal, Jyotdeep Kaur</td>
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<th><strong>PA644</strong></th>
<th>Phenotypic characterization of Natural Killer Cells in Post Tuberculosis Pulmonary Sequelae</th>
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<td>Anjana Talwar (Noida (Uttar Pradesh), India), Geetanjali Bade, Rupesh Srivastava, Karan Madan, Chaman Saini, Meghashree Sampath</td>
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Specific natural killer cells functional phenotypes are associated with different clinical spectrum of Mycobacterium tuberculosis infection
Itzel Gomez (Mexico City, Mexico), Nora E. Regino-Zamarripa, Maria J. Leyva-Zilli, Ana Sofia Buciaga, Jose A. Salazar-Garibay, Luis A. Jimenez-Alvarez, Alfredo Cruz-Lagunas, Gustavo Ramirez-Martinez, Joaquin Zuniga

HUMAN-BETA-DEFENSIN-1, FERRITIN AND INTERLEUKIN-6: GENDER DIFFERENCES IN PATIENTS WITH PULMONARY TUBERCULOSIS
Lililia Todoriko (Chernivtsi, Ukraine), Olha Shevchenko, Irurna Ovcharenko

Role of matrix metalloproteinase-1 (MMP-1) on lung remodelling in post pulmonary tuberculosis squelae
Retno Ariza Soemarwoto (Bandar Lampung, Indonesia), Hetti Rusmini, Anise Dana Valentiene Messah, Pad Dilangga, Adityo Wibowo, Syazili Mustofa

Neutrophil hyperinflammation in uncontrolled DM drives tissue destruction in human pulmonary TB
Ting Huey HU (Singapore), Pei Min Thong, Fei Kean Loh, Chen Bai, Hai Tarrng Chong, Hyeyong Lee, Caroline Victoria Choong, Lovel Corpuz Galamay, Darius L. L. Beh, Alicia X. Y. Ang, Lionel H. W. Lum, Peiling Yang, Amanda Yuan Ling Lim, Shao Feng Mok, Andres F Vallejo, Shih Ling Kao, Catherine W. M. Ong

Linezolid-Resistant Mycobacterium Tuberculosis: A highly concerning situation for the Tuberculosis Eradication Programme
Sushma Yadav (Gwalior, India), Surya Kant, Amita Jain, Rashmi Ratnam

Poster session: Imaging and physiological measurement in respiratory infection

Disease(s) : Respiratory critical care, Airway diseases, Interstitial lung diseases, Pulmonary vascular diseases
Method(s) : Respiratory intensive care, Cell and molecular biology, General respiratory patient care, Imaging, Physiology, Pulmonary function testing, Epidemiology, Public health, Endoscopy and interventional pulmonology
Tag(s) : Clinical

Informative diagnosis of tuberculosis and sarcoidosis related mediastinal lymph nodes using PET-CT radiomic analysis
Damla Serce Unat (Konak, Izmir, Turkey), Nuruşin Agüloğlu, Ømer Selim Unat, Ayşegül Aksu, Onur Fevzi Erer, Özer Özdemir, Gülru Polat

Progression of bronchiectasis on CT and mortality in smokers
Alejandro A Diaz (Arlington, United States), Wei Wang, Diego J Maselli, Ruben San José Estépar, Carrie Pistenmaa, Bina Choi, James C Ross, Michael Cho, Raul San José Estépar

Automatic analysis of bronchus-artery ratios and mucus plugs of 640 chest CTs of EMBARC bronchiectasis patients
Yuxin Chen (Rotterdam, Netherlands), Angelica Pieters, Tjeerd Van Der Veer, Eleni-Rosalina Andrinopoulou, Punit Makani, Stefano Alberti, Pierre-Regis Burgel, Pieter Goeminne, Michal Shteinberg, Michael Loebinger, Charles Haworth, Francesco Blasi, Daan Caudri, Pierluigi Ciet

Sarcopenia is associated with mild-to-moderate Bronchiectasis: Hints from functional, histological, and imaging assessment
Adriana Núñez Robainas (Barcelona, Spain), Mariela Nieves Alvarado Miranda, Adriana Nuñez-Robainas, Salvatore Marsico, Cinta Cumpli, Alberto Solano Lopez, Esther Barreiro

Associations of COVID-19 with post-acute dual-energy lung CT (DECT) measures
Elizabeth Oelsner (New York, United States), Sarah Gerard, Junfeng Guo, Emilay Florez, Diane Hawkins, Galen Ziaggi, Eric Hoffman

Validating the ROSE criteria for COPD-Bronchiectasis coexistence in East Asian populations: Data from Taiwan Bronchiectasis Research Collaboration (TBARC)
Yen-Fu Chen (Yun-Lin County, Taiwan), Chia-Ling Chang, Hsin-Han Hou, Ning Chien, Kai-Zen Lu, Ying-Yin Chen, Zheng-Ci Hung, Jung-Yien Chien, Horng-Chyuan Lin, Chau-Chyun Sheu, Shih-Lung Cheng, Hao-Chien Wang, Chong-Jen Yu

Prevalence and Predictive Factors of Persistent CT Scan Abnormalities after COVID-19 Pneumonia: A Cohort Study
Lamine Chikhaoui (Tunis, Tunisia), Hela Cherif, Soumaya Debbiche, Salma Mokaddem, Mariem Triki, Ferdaous Yangui, Mohamed Ridha Charfi

PET-CT avidity and Aspergillus serology in chronic pulmonary Aspergillosis
Sharon Weinberg (Manchester, United Kingdom), George Kourounis, Frakinda Jabeen, David Denning, Chris Kosmidis
The Association Between Radiological Scoring with Clinical Findings in Patients with Non Cystic Fibrosis Bronchiectasis
Beste Özsezen (Ankara, Turkey), Feyza Kabar, Asena Pınar Sefer

Lung ultrasound as the tool for monitoring community-acquired pneumonia
Lê Quốc Khánh Trần (Hồ Chí Minh, Vietnam), Truc Thai-Thanh, Khoa Nguyen-Dang, Lam Nguyen-Ho, Nguyen Tran-Ngoc, Anh Nguyen-Vinh, Nhat Phung-Tran-Huy, Luigi Pisani, Nam Vu Hoai, Vu Thuong-Le

Defining the clinical-radiological and anatomopathological phenotypes of persistent COVID in immunocompromised patients
Alessandra Sorano (Firenze, Italy), Gori Leonardo, Diletta Cozzi, Luca Ciani, Michele Spinicci, Lucia Graziani, Alessandro Bartoloni, Valeria Pasini, Camilla Comin, Viola Bonti, Leonardo Giuntoli, Elisabetta Rost, Paola Parronchi, Gian Maria Rossolini, Federico Lavorini, Sara Tomassetti

Late Breaking Abstract - Response to antibiotic therapy for pulmonary exacerbations in patients with primary ciliary dyskinesia—an ongoing study
Ruth Urbantat (Berlin, Germany), Bent R. Fuhlrott, Ana Stamata-Tomova, Laura Schaupp, Hannah Nussstein, Eva Steinke, Paulina Aleksander, Janette Tattersall-Wong, Laura Schaad, Mehrak Yoosefi-Moridani, Stephanie Thee, Mirjam Stahl, Jobst Röhmel, Marcus Mall

Impact of cytokines and chemokines on lung function after COVID-19: 3- and 6-month follow-up.
Dominika Jaskoła-Polkowska (Warsaw, Poland), Katarzyna Plewka-Barcik, Krzysztof Kłos, Renata Różyńska, Ewa Pietruszka-Wałecka, Dagmara Kobza, Robert Zdanowski, Karina Jahnz-Różyk, Andrzej Chciałowski

hyperlination in bronchiectasis : a series of 94 patients
Tarek Djenfi (Batna, Algeria), Mohamed Redha Selmani, Feryel Chaouki, Merzak Gharnaout, Abdelmadjid Djebar

Lung function in early childhood with diagnosis of post-infectious non-cystic fibrosis bronchiectasis
Rossella Lamberti (Milano, Italy), Andrea Farolfi, Michele Ghezzi, Simona Ferraro, Salvatore Zirpoli, Elia Biganzoli, Giuseppe Marano, Sai Spandana Adivishnu, Gian Vincenzo Zuccotti, Enza D'Auria

Clinical Severity and High-Resolution CT severity score in COVID-19: is there an association?
Kaleem Toori (Rawalpindi, Pakistan), Muhammad Arsalan Qureshi, Raja Mobeen Ahmed

Endothelial dysfunction in patients with post-COVID 19 syndrome

Clinical and functional data of post-COVID-19 patients during 1-year follow-up
Paschalis Steiropoulos (Alexandroupolis, Greece), Fotios Drakopanagiotakis, Anastasios Bogiatzis, Konstantinos Chytopoulos, Dimitrios Kaitatzis, Nikoletta Pavinou

Elvira Markela Antonogiannaki (Athens, Greece), Ioannis Grigoropoulos, Effrosyni D Manali, Konstantinos Thomas, MariaKalili, Panagioti Alexiopoulou, Andriana I Papaoannou, Spyridon Pountzos, Anastasia Karachaliou, Christina Kontopoulou, Vagia Karageorgou, Stefanos Lampadakis, Myrto Blizou, Ioannis Tomos, Sotiria Grigoropoulos, Dimitra Kavatha, Stelios Loukides, Anastasios Antoniadou, Spyros A Papiris

Lung function decline in bronchiectasis
Dejan Radovanovic (Milano (MI), Italy), Sarah O'Donnell, Andrea Gramegna, Pierachille Santos, Stefano Aliberti, Francesco Blasi,
Baseline characteristics of patients enrolled in the FIBRONEER-ILD trial of nerademilast (BI 1015550)

Toby M Maher (Los Angeles, United States), Shervin Assassi, Arata Azuma, Vincent Cottin, Anna-Maria Hoffmann-Vold, Michael Kreuter, Justin M. Oldham, Luca Richeldi, Claudia Valenzuela, Marlies S. Wijsenbeek, Carl Coeck, Arno Schlosser, Daniel Wachtlin, Fernando J. Martinez

Design of the FIBRONEER-ON open-label extension trial of nerademilast (BI 1015550)

Wim A. Wuyts (Leuven, Belgium), Luca Richeldi, Shervin Assassi, Arata Azuma, Vincent Cottin, Anna-Maria Hoffmann-Vold, Michael Kreuter, Justin M. Oldham, Fernando J. Martinez, Claudia Valenzuela, Marlies S. Wijsenbeek, Madhu Kanakapura, Alexandra James, Cyril Drzewuski, Carl Coeck, Toby M. Maher

Decline in forced vital capacity (FVC) in subjects with idiopathic pulmonary fibrosis (IPF) and progressive pulmonary fibrosis (PPF) compared with healthy references

Claudia Valenzuela (Madrid, Spain), Francesco Bonella, Catharina C Moor, Gerrit Weimann, Corinna Miede, Susanne Stowasser, Toby M Maher

Changes in lung function and mortality risk in patients with idiopathic pulmonary fibrosis (IPF)

Divya Patel (Ridgefield, United States), Justin M Oldham, Megan L Neely, Daniel Wojdyla, Mridu Gulati, Peide Li, Scott M Palmer, Jamie L Todd

COMPANION - a randomised controlled study to evaluate the impact of a digital therapy on anxiety and quality of life in patients with pulmonary fibrosis

Cecilia Ganslandt (Stockholm, Sweden), Joshua Solomon, Robert Hallowell, Maureen Horton, Jessica Shull

Enhancing clinical trials design by involving and integrating patient-input through a novel approach: Human factors Clinical Study Experience Simulation

Marta Lombardini (Parma, Italy), Marisa Minetti, Francesca Vaccari, Stefania Pirondi, John De Foghi, Amy Mac Donald, Thierry Rousselot, Simona Spennato, Gianfranco Vitiello, Marilena Peterra

Understanding intentional and non-intentional non-adherence in Pulmonary Fibrosis to antifibrotic treatment: a patient-led multivariate analysis

Steve Jones (Overysee, Belgium), Stefano Pavanello, Evangelia Vogiatzaki, Elisabetta Balestro, Anouk Delameillieure, Michael Kreuter, Alba Ubide, Mercè Cases

The Long-Term Prognostic Impact of Clinical Frailty Scale on Acute Exacerbation of Fibrotic Interstitial Lung Disease

Shoichiro Saito (Kobe-city, Japan), Chigusa Shirakawa, Ryo Tachikawa, Kanji Yamada, Junpei Harada, Kyosuke Wakata, Ryosuke Hirabayashi, Atsushi Nakagawa, Kazuma Nagata, Yuki Sato, Keisuke Tomii

Acute exacerbation of Interstitial Lung Disease specific comorbidity Index (AEILD-CI) to assess the risk of inhospital death: a prospective cohort study

Xin Zhang (Chengdu, China), Chongyang Zhao, Lei Wang, Li Zhang, Qin Wang, Li Li, Ying Liu, Lei Liu, Lishan Yuan, Min Feng, Gang Wang, Deying Kang

Acute exacerbation of Interstitial Lung Disease: a pilot study

Woo hyun cho (Yangsan, Republic of Korea), Hye Ju Yeo, Tae Hwa Kim, Jin Ho Jang

Association between initial treatment response and prognosis in acute exacerbations of idiopathic pulmonary fibrosis treated with steroid pulse therapy

Tsuyoshi Sasada (Kobe, Japan), Chigusa Shirakawa, Kazuma Nagata, Ryo Tachikawa, Keisuke Tomii

Trastuzumab Deruxtecan (T-DXd)-associated interstitial lung disease (ILD) in a large real-world French cohort of patients with HER2-driven breast cancer and other malignancies.


Use of telomere length in the management of idiopathic pulmonary fibrosis

Caroline Dahlqvist (Bruxelles, Belgium), Trejsi Muça, Marie-Astrid Van Dievoet, Anabelle Decottignies, Antoine Froidure

Impact of Air Pollution on Hospitalizations in Patients with Idiopathic Pulmonary Fibrosis in the Community of Madrid

Pablo Mariscal Aguilar (Madrid, Spain), Luis Gómez-Carrera, Mariana Díaz-Almirón, Francisco Gayá-Moreno, Carlos Carpio, Esther Zamarrón, María Fernández-Velilla, Elena Villamanán, Isabel Esteban-Rodriguez, Lucía Esteban-Baloiá, Rita Rejojo, Paula Villaverde, Michael Álvarez, Cristina Mariscal, María Alejandra Castillo, Concepción Prados, Rodolfo Álvarez-Sala

Cough adverse events and FVC decline in the ATLAS study of inhaled pirfenidone (AP01) in Idiopathic Pulmonary Fibrosis

Nazia Chaudhuri (Limavady, United Kingdom), Barnaby Hirons, Felix Woodhead, Allison Trucillo, Hao Bao, Deepthi Nair, Colin Reisner, Andrey Pavlov, Craig Consonenti, Howard Lazarus, Surinder Birring
Determinants of cough related quality of life in interstitial lung diseases
Eeva Saari (Kuopio, Finland), Minna Mononen, Hannele Hasala, Hanna Nurmi, Hannu-Pekka Kettunen, Sanna Suoranta, Elisa Lippi-Blanco, Riitta Kaarteenaho, Minna Purokivi, Heikki Koskela

Nutritional assessment as a predictor of mortality in idiopathic pulmonary fibrosis
Daniel Enrique Vega Lizarazo (Malaga, Spain), Eva Cabrera César, Rocío Fernandez Jimenez, Javier Lopez Garcia, José Manuel Almería, Francisco Espírida Hernández, Jose Luis Velasco Garrido

Nutritional assessment of patients with Idiopathic pulmonary fibrosis and nutritional supplements
Mercedes Segura Romero (Málaga, Spain), Daniel Enrique Vega Lizarazo, Rocío Fernández Jiménez, Javier López García, José Manuel Ameida, Francisco Espírida Hernández, José Luis Velasco Garrido, Eva Cabrera Cesar

International survey on Current Standards for Immunosuppression in Fibrosing Interstitial Lung Diseases
Manuela Funke-Chambour (Bern, Switzerland), Philipp Suter, Gisli R. Jenkins, Leticia Kawano-Dourado, Chris J. Ryerson, Athol Wells, Michael Kreuter, Kerri A. Johannson

Inhalation innovation: phase 2b study design of inhaled pirfenidone in the treatment of progressive pulmonary fibrosis
Martin Kolb (Hamilton (ON), Canada), Colin Reisner, Deepthi Nair, Felix Woodhead, Howard Lazarus, Craig Conoscenti

Correlation of Early Cough with Disease Activity measured by High-resolution CT in ATLAS: a Phase 1b Study of Inhaled Pirfenidone in Idiopathic Pulmonary Fibrosis
GraceHyun Kim (Los Angeles, United States), Jonathan Goldin, Felix Woodhead, Deepthi Nair, Howard Lazarus, Craig Conoscenti

Association between Functional Improvement and Structural Changes in Quantitative High-resolution CT in ATLAS: a Phase 1b Study of Inhaled Pirfenidone in Idiopathic Pulmonary Fibrosis
GraceHyun Kim (Los Angeles, United States), Jonathan Goldin, Deepthi Nair, Felix Woodhead, Craig Conoscenti, Howard Lazarus

Changes in dyspnea and cough in real-world PPF patients treated with nintedanib – the INREAL study
Michael Kreuter (Mainz, Germany), Joerg H W Distler, Benjamin Löh, Ioana Andreica, Tim Oqueka, Sven Gregor, Christina Bergmann, Michael Westhoff, Thomas Bitter, Lars Hagmeyer, Gunter Assmann, Sven Stieglitz, Sven Gläser, Hubert Wirtz, Claus Keller, Michael Drehre, Maik Brandes, Andrea Marseille, Susanne Fischer, Michael Heß, Anke Kondla, Marlene Hechtner, Dirk Koschel

Meta-analysis of rituximab treatment of systemic sclerosis related interstitial lung disease
Robert Harrington (Dublin, Ireland), Richard Conway, Ruairí Fahy

Antifibrotic treatment efficacy in progressive pulmonary fibrosis: single center experience
Gülfer Nigar Okumus (Istanbul, Turkey), Ulukar Durak, Yasemin Yalcınkaya, Murat Inanc, Zuleyha Bingol

Cost-effectiveness of earlier diagnosis of interstitial lung diseases (ILDs) and treatment of its progressive form, progressive pulmonary fibrosis (PPF)
Pratik Pimplke (Connecticut, United States), Seth Walters, Stephane Soulard, Weicheng Ye, Aldo Elsen, Thtima Kongnakorn, Sayooj Raj, Julie Dorey, Pedro Ferreira, Antoine Froidure

Multicenter real-world data of antifibrotics in non-IPF progressive pulmonary fibrosis (PPF) patients

Impact of the use of corticoids in organizing pneumonia post COVID-19 (the NORCOVID clinical trial)
David Espejo Castellanos (Barcelona, Spain), Aitor Gonzalez Amezcua, Maria Florencia Piña, Galo David Granados, Christian Romero Mesones, Maria Antonia Ramon Belmonte, Ihigo Ojanguren Arranz, Ana Villar Gomez, Maria Jesús Cruz Carmona, Ferran Torres Benitez, Xavier Muñoz Gall

Rituximab in Hypersensitivity Pneumonitis refractory to conventional treatment: experience from two centers
Diogo Ferreira (Vila Nova De Gaia, Portugal), Inês Carvalho, Eduardo Tinoco, Carla Nogueira, Sofia Neves, António Morais, Sérgio Campanha

Poster session: Treatment of non-idiopathic pulmonary fibrosis: what's new?

Inhalation innovation: phase 2b study design of inhaled pirfenidone in the treatment of progressive pulmonary fibrosis
Martin Kolb (Hamilton (ON), Canada), Colin Reisner, Deepthi Nair, Felix Woodhead, Howard Lazarus, Craig Conoscenti

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Follow-up of patients with interstitial progressive lung diseases treated with Nintedanib.

Nintedanib for patients with systemic autoimmune diseases associated pulmonary fibrosis: a real-world multicentre study.
Eirini Vasarmidi (Heraklion (Crete), Greece), Claudia Ravaglia, Nestor Avgoustidis, Argyro Repa, Ioannis Tomos, Pierre-Antoine Juge, Vasilios Tzilas, Eleini Bibaki, Nikos Tzanakis, Prodromos Sidiropoulos, Philippe Dieude, Raphael Borie, Bruno Crestani, Katerina M. Antoniou

Patient education and self-management content in fibrotic interstitial lung disease – results of an international multiphase Delphi consensus process with patient involvement
Thomas Riegler (Zurich, Switzerland), Sabina A. Guler, Thimo Marcin, Markus Wirz, Patrick Brun, Milo A. Puhan, Anja Frei

Management of interstitial lung disease in pregnancy: a case series
John Zhu (Parkville, Australia), Benjamin Leaver, Aiden Cushnahan, Jyotika Prasad

Optimizing Cardiopulmonary Rehabilitation Duration for Long COVID Patients: An Exercise Physiology Monitoring Approach.
Janos Tamas Varga (Budapest, Hungary), Zsofia Szarvas, Monika Fekete, Gergo Josef Szollosi, Katica Kup, Rita Horvath, Maya Schinizu, Fuku Tsuchiya, Ha Eun Choi, Huang-Tzu Wu, Vincze Pongor-Faze-Macs, Orsolya Kovacs, Kinga Neida Pete, Renata Cserjesi, Regina Bakos, Orsolya Gobel, Kata Gyongyosi, Renata Pinter, Dora Kolozsvari, Zsuzsanna Kovats, Zoltan Ungvari, Stefano Tarantini, Gabor Horvath, Veronika Muller

Clinical profile of patients with Interstitial Lung Disease (ILD) and Telomere Biology Disorder (TBD): A single-center retrospective experience
Pranav Modi (Mumbai, India), Alejandro Diaz Arumir Vergara, Alejandro Ferrer, Ana Zamora Martinez

Late Breaking Abstract - Prevalence of pulmonary embolism among ILD patients with respiratory worsening
Nimrod Orr Urtreger (Tel Aviv, Israel), Noa Hallak, Amir Bar-Shai, Ariel Melloul, Evgeni Gershman, Avraham Unterman

Late Breaking Abstract - Role of exhaled nitric oxide in predicting checkpoint inhibitor-related pneumoniasporative observational study
Yimei Gao (Shanghai, China), Tingyue Luo, Haohua Huang, Tianlian Liu, Zeyu Fu, Junwei Chen, Jinhong Zhuo, Junjie Xi, Xiaoxiao Jiang, Danhui Huang, Liping Huang, Yanqun Li, Qi Yu, Yuhan Du, Laiyu Liu, Shaoxi Cui, Hangming Dong

Late Breaking Abstract - Survival in Idiopathic Pulmonary Fibrosis and Connective Tissue Disease-Interstitial Lung Disease
Roberto Giovanni Carbone (Genoa (GE), Italy), Rosangela Filiberti, Silvia Chiola, Gian Luca Pariscenti, Gianmarino Sambuceti, Francesco Puppo

Late Breaking Abstract - Lost in Translation: Altered fibroblast translatome in lung fibrosis.
Harry Karmouty-Quintana (Houston, United States), Scott Collum, Sandeep Aggarwal, Rahat Hussain, Howard Huang, Catherine Denicourt

Poster session: Sarcoidosis: clinical aspects

Disease(s): Interstitial lung diseases, Thoracic oncology, Airway diseases
Method(s): Imaging, Pulmonary function testing, Epidemiology, Endoscopy and interventional pulmonology, General respiratory patient care, Pulmonary rehabilitation
Tag(s): Clinical
Chairs: Dominique Israel-Biet (Paris, France), Vasileios Kouranos (London, United Kingdom)

Women with sarcoidosis are more affected by cancer comorbidity than men: data from the Austrian Registry
Claudia Guttmann-Ducke (Wien, Austria), Pavla Sarova, Martin Lutnik, Daniela Gompelmann, Marco Idzko

Meta-analysis of 18F-FDG PET/CT in diagnosis and prognostic evaluation of thoracic sarcoidosis
Ryan Donnelly (Dublin, Ireland), Michael Mc Dermott, Gerry Mc Manus, Alessandro N. Franciost, Michael P Keane, Emret E Mc Grath, Cormac Mc Carthy, David J Murphy

Urolithiasis is associated with an increased risk of sarcoidosis in a cohort in Sweden
Joanna Werner (Uppsala, Sweden), Elizabeth V. Arkema, Tomas Thiel, Susanna Kullberg
Is there any relation between residual volume (RV) and tomographic pattern in Sarcoidosis patients at diagnosis?
Gonçalo Moura Portugal (Almada, Portugal), Bruno Von Amann, Naiara Santos-Erice, Cristian Tebé Cordomt, Santiago Bolívar, Joan Maña, Maria Molina-Molina, Vanesa Vicens-Zygmont

Sarcoidosis with cardiac involvement: whoever searches will find
Carolin Hesse (St. Gallen, Switzerland), Florent Baty, Niklas F. Ehl, Martin Brutsche

Cystic lung in sarcoidosis: a rare condition
Giovanni Franco (Monza, Italy), Marie-Pierre Debray, Niccolò Anzani, Almerico Marruchella, Aurelie Cazes, Pierre Le Guen, Camille Taillé, Paola Favero, Raphaël Borie, Fabrizio Luppi, Bruno Crestani

New phenotyping questionnaire for diagnosing sarcoidosis-associated small fiber neuropathy
Lisette R M Raasing (Nieuwegein, Netherlands), Oscar J M Vogels, Mirjam Datema, Carmen A Ambarus, Martijn R Tannemaat, Jan C Grutters, Marcel Veltkamp

Sarcoidosis and cancer - a diagnostic dilemma
Diana Calaras (Chisinau, Republic of Moldova), Aliona David, Alexandru Corlateanu

Phenotyping of Sarcoidosis: Moving (a step closer) Towards Sarcoidosis as a Syndrome
Bjoern Frye (Freiburg, Germany), Martin Feineis, Charlott Terschluse, Louis Jouanjan, Daiana Stolz, Johanna Nattenmüller, Prerana Agarwal

Impact of Standard of Living on the 2-year course in sarcoidosis
Farah Mesli (Paris, France), Lucile Sesé, Catherine Cavalin, Cécile Rotenberg, Dominique Valeyre, Carole Planès, Hilario Nunes, Florence Jeny

Evaluating the Influence of Smoking on Sarcoidosis Prognosis: A Comprehensive Retrospective Study
Alejandro Daniel Frino-Garcia (Barcelona, Spain), Maria Luisa Rullán Arias, Xavier Alsina-Restoy, Joel Francesqui-Candela, María Belén Nbooa-Sevilla, Pamela Kette-Aguilera, Nancy Pérez-Rodas, Manel Ramos, Daniel Ramos, Fernanda Hernández-González, Jacobo Sellarés

Sensitivity of high-sensitive cardiac troponin and NTproBNP as additional biomarkers in detection of cardiac sarcoid-experience in a UK centre
Trishala Raj (Leeds, United Kingdom), Timothy Sutherland, Alison Boland, Anshuman Sengupta, Alexander Simms, Kate Gatenby, Paul Beirne

Relationship between fatigue, subclinical systemic inflammation, and lung function parameters in patients with sarcoidosis remission.
Karol Bączek (Łódź, Poland), Witold Górski, Joanna Miłkowska-Dymanowska, Anna Kumor-Kisielewska, Adam Bialas, Łukasz Gwadera, Elżbieta Malujo-Balcerska, Wojciech Piotrowski

Fatigue, restless legs syndrome, pain and cognitive impairment in patients with sarcoidosis associated small fiber neuropathy
Lisette R M Raasing (Nieuwegein, Netherlands), Marcel Veltkamp, Mirjam Datema, Jan C Grutters, Oscar J M Vogels

Correlation between GAP index and DSP score in patients with pulmonary sarcoidosis
Yosra Abdelhedhi (tunis, Tunisia), Khouloud Kchaou, Chaïma Briki, Safa Dalì, Sirine Jamli, Saloua Ben Khamsa Jameeddine

Correlation between DSP index and lung function in patients with pulmonary sarcoidosis
safa daly (la marsa, Tunisia), Khouloud Kchaou, Chaïma Briki, Yosra Abdelhedhi, Saloua Ben Khamsa Jameeddine

A Tunisian sample: Comorbidity and sarcoidosis
Tarak Cherif (Ariana, Tunisia), Ines Moussa, Chariag Mayssa, Ben Hmida Lenda, Affès Meriem, Bziouech Oumaima, Mrassi Hana, Sahnoun Imen, Douik Elgharbi Leila

Association of metal working with sarcoidosis and chronic beryllium disease
Louis Jouanjan (Freiburg, Germany), Charlott Terschluse, Martin Feineis, Caroline Quartucci, Gernot Zissel, Joachim Müller-Quernheim, Daiana Stolz, Björn C. Frye

Longitudinal validation of the King’s Sarcoidosis Questionnaire in a cohort with mild sarcoidosis
Janne Møller (Skanderborg, Denmark), Thomas Skovhus Prior, Ole Hilberg, Surinder Birring, Elisabeth Bendstrup

Sarcoidosis HRCT subtypes and their relation to symptoms and lung function test results
Justyna Sobczak (Kalisz, Poland), Joanna Miłkowska-Dymanowska, Piotr Łacwik, Adam J Bialas, Łukasz Gwadera, Patryk Sobczak, Wojciech J Piotrowski

Poster session: A primary care approach to asthma
### Disease(s): Airway diseases

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

### Tag(s): Clinical

### Chairs: Miguel Román Rodriguez (Palma De Mallorca, Spain), Camille Rolland-Debord (clermont-ferrand, France)

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**PA730**

Treatment patterns for eosinophilic granulomatosis with polyangiitis (EGPA): a retrospective observational cohort study in England

Salman Siddiqui (London, United Kingdom), Paul Dolin, Anat Shavit, Jennifer Rowell, Chris Edmonds, Danuta Kielar, Alessandra Lacetara, Pablo Suárez-Sánchez, Cono Ariti, Bélène Podmore, Alvaro Kitchin Velarde, Stephanie Y Chen

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**PA731**

Multi-morbidity in Type 2 Disease: A Patient and Providers Survey

Ruth Tal-Singer (Media, United States), Donna Gardner, Brian Lipworth, Alberto Papi, Dave Singh, Mary Jo Strobel, Robert Wise, Tonya Winders

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**PA732**

Trends, attitudes, and perceptions of Indian physicians in allergic rhinitis management

Sanddeep more (Thane, India), Mahesh Padukudru, Gaurav Medikeri

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**PA733**

Diagnostic accuracy of ad-hoc peak expiratory flow rate measurements (PFs): a systematic review

Pooja Devani (Leicester, United Kingdom), Luke Daines, Ali Hakizimana, Norita Binti Hussein, Rizawati Binti Ramli, Beh Hooi Chin, Ran Wang, Sithur Perangini, Wei Leik Ng, Stephen Fowler, Khoo Ee Ming, Hilary Pinnock, Erol Gaillard

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**PA734**

Clinical manifestations of allergy in teachers in the Agadir region using chalk

Abdelmajid Oulahbib (agadir, Morocco), Younes Essaid, Aboubekr Imzil, Oussama Halloumi, Nada Boutbagha, Abdelkrim Khannous, Sofia Farhat, Hanane Ikrou, Selma Abdala, Hind Serhane

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**PA735**

The impact of periodontal therapy on respiratory health: an intervention study

Anders Rosland (BERGEN, Norway), Andrei Malinovschi, Dagmar F. Bunæs, Stein Atle Lie, Randi J. Bertelsen

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**PA736**

FeNO guided primary care interventions in patients with high SABA use

Job F.M. van Boven (Groningen, Netherlands), Piet Ooms, Gerda Compagne

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**PA737**

Efficacy of a community paediatric asthma diagnostic pathway.

Joe Madge (Leicester, United Kingdom), Natalie Blyth, Prakash Patel, Gemma Vissani, Charlotte Simpson, Louise Ryan, Joel Ezro-Griffiths, Vinayak Rai, Molla Imaddudin Ahmed, David Lo, Erol Gaillard

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**PA738**

Short-term outcomes after implementation of SABA-free asthma management with a maintenance and anti-inflammatory reliever regimen within primary care

Samantha Harrison (Coventry, United Kingdom), Sudip Ghosh, Kara Holtham, Emma Goulding

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**PA739**

An exploration of the implementation of FeNO testing and a FeNO-guided algorithm in primary care in England

Grace Lewis (Bristol, United Kingdom), Kate Morton, Marta Santillo, Lucy Yardley, Kay Wang, Ben Ainsworth, Sarah Tonkin-Crine

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**PA740**

Comparing SABA-free asthma management with Primary care SABA users.

Luis Javier Nannini (Rosario (Pcia. Santa Fe), Argentina), Martin Sivori, Nadia Brandon, Luciano Capelli, Octavio Fernandez, Claudio Gonzalez

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**PA741**

General practice (GP) text messaging support for medication adherence in asthma and COPD patients: a randomised controlled trial


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**PA742**

The Effect of Implementing Asthma Pay-for-Performance (P4P) on Healthcare Outcomes in Taiwan: A Nationwide Retrospective Cohort Analysis.

Pin-Kuei Fu (Taichung, Taiwan), Tsung-Hsien Yu

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**PA743**

Characteristics and treatment escalation of severe uncontrolled asthma patients in primary care in Sweden

Caroline Stridsman (Luleå, Sweden), Jon R Konradsen, Sylvia Packham, Jörgen Syk, Apostolos Bossios

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**PA744**

Impact of a GINA education and implementation programme: an interim analysis of a multi-centre, single-arm study (Care4All)

Kewu Huang (Beijing, China), Meishan Liu, Wenjun Wang, Honglei Shi, Eric D. Bateman, Huahao Shen, Chen Wang

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**PA745**

Diagnostic cutoff values for portable nasal nitric oxide test in patients with primary ciliary dyskinesia

Eun Hee Chung (Daejeon, Republic of Korea), Kyung Hee Lee, Minji Kim, Keun Baek Song

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**PA746**

A randomized crossover study assessing critical errors and preferences of two commonly used multi-dose dry-powder inhalers

Job van der Palen (Eindhoven, Netherlands), Pjoetr Tinke, Martijn Goosens, Wendy Van Beurden
### PA747
**Influence of inhalation profile on deposition in COPD and Asthma patients**
Wendel Dierckx (Kontich, Belgium), Kris Ides, Yinka De Meyer, Erik Franck, Hosein Sadafi, Navid Monshi Tousi, Jan De Backer, Wilfried De Backer

### PA748
**Primary care of adults with asthma in Canada: Analysis of Canadian Primary Care Sentinel Surveillance Network (CPCSSN) data**
Alison Morra (Port Hope, Canada), Sabrina Allarakha, Rebecca Theal, Rachael Morkem, Max Moloney, Samir Gupta, Genevieve Digby, John Queenan, M Diane Lougheed

### PA749
**Late Breaking Abstract - Characterisation of patients with COPD in the ASTER study cohort**
Carmen Stabile (Prato, Italy), Miriam Vighini, Donato Cinquepalmi, Barbara Grassi, Ilksen Ungan Yoruk, Riccardo Pistelli

### PA750
**Artificial intelligence quantitative Analysis of Pulmonary Morphological Metrics in CTEPH and CTEPD patients: A Single-Center Comparative Study**
Min Liu (China), Wening Xu, Linfeng Xi, Yifei Ni, Jianping Wang, Wanmu Xie

### PA751
**Role of microbial-derived metabolites in the pulmonary embolism. MICTEP study.**
Remedios Otero Candeleria (Sevilla, Spain), Alberto Garcia Ortega, Rosa Del Campo Moreno, José Luis Lobo Beristain, Verónica Sánchez López, José Avendaño Ortiz, Ana Pedro Tudela, Cristina De Juanla Izquierdo, Laura Taberner Lino, Grace Oscullo Yepez, José Daniel Gómez Olivas, David Jiménez Castro

### PA752
**Treatment and long term follow-up results in patients with pulmonary vascular thrombosis related with COVID-19**
Nigar Aliyeva (Istanbul, Turkey), Buket Çalışkaner Öztürk, Burçak Kılıçkıran Avcı, Ersan Atahan

### PA753
**The impact of COVID-19 and Long COVID for pulmonary embolism patients undergoing anticoagulation prior to COVID-19: a multicenter cohort study during omicron pandemic**
Yishan Li (Beijing, China), Dingyi Wang, Linfeng Xi, Wanmu Xie, Zhenguo Zhai, Chen Wang

### PA754
**Whole genome sequencing identifies low frequency mutations: GP6,TET2 and JAK2 of VTE in Chinese Han familial cohort**
Zhu Zhang (Beijing, China), Mingming Su, Yu Zhang, Haobo Li, Xianbo Zo, Peiran Yang, Zhenguo Zhai, Chen Wang

### PS-30
**Session 76 08:00 - 09:30**

**Poster session: Pulmonary embolism: acute and long-term management**

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

**Method(s):** Cell and molecular biology, Epidemiology, Public health, Physiology, General respiratory patient care, Imaging, Surgery

**Tag(s):** Clinical

**Chairs:** Raphaël Le Mao (Brest, France), Fida Charif (Beirut, Lebanon)

#### PA755
**The effect of age on mortality after pulmonary endarterectomy**
Señaz Olgun Yıldızeli (Istanbul, Turkey), Hüseyin Arikan, Ash Tufan, Halil Ataş, Derya Kocakaya, Koray Ak, Sait Karakurt, Bedrettin Yıldızeli
Poster session: Endobronchial ultrasound: freezing and forging ahead!

**Disease(s):** Thoracic oncology, Interstitial lung diseases, Pulmonary vascular diseases

**Method(s):** Endoscopy and interventional pulmonology, Imaging, General respiratory patient care, Cell and molecular biology

**Tag(s):** Clinical

**Chairs:** Syed Basharath Mehdi (Bolton, United Kingdom), Evangelia Koukaki (SALAMINA, Greece)

### PA762
Is BIS the answer to grant optimal sedation during EBUS procedures?
Juan Fco. Nieves Salceda (Oviedo, Spain), Lucia Garcia Alfonso, Francisco Julian Lopez Gonzalez, Juan Alejandro Cascón Hernández, Miguel Angel Ariza Prota, Maria Pilar Gil Muñiz, Sandra Fernandez Rodriguez, Immaculada Sanchez Fernandez, Susana Acebo Fernandez, Patricia Alvarez Alvarez, Laura Abad Chamorro, Eduardo Sanchez Vazquez, Isabel Martinez Gonzalez Posada, Maria Rodil Riera, Marina Acebo Castro, Claudia Manana Valdes, Marta Maria Garcia Clemente

### PA763
Correlation of PET-CT FDG uptake, endobronchial ultrasound cytology and surgical biopsy in patients with Non-Small Cell Lung Cancer undergoing curative surgery.
Stav Rakedzon (Haifa, Israel), Elad Mor, Yaniv Yechiel, Yaron Sait, Fuad Khoury, Ivan Gur, Tzah Feldman, Luda Guralnik, Amit Katz, Yaniv Zohar, Anna Solomonov, Zohar Keidar, Alona Zer Kuch, Sameh Daheer, Olga Kagna, Michael Orlovsky, Inna Naroditsky, Eyal Fuchs, Leonid Malkin, Maya Abu Gazala, Talia Shantzer, Maria Zahran, Hanna Dawood, Yaniv Dotan

### PA764
Takuma Ina (Toyooka, Japan), Ryoma Moriya, Yuri Maeda, Tomoya Horiguchi, Yasuhiro Goto, Naozumi Hashimoto, Kazuyoshi Imaiuzumi

### PA765
Comparison of diagnostic yield of endobronchial ultrasound-guided transbronchial needle aspiration (EBUS-TBNA) using 15 versus 20 versus 25 lymph node agitations in patients with mediastinal lymphadenopathy: a randomized trial.
Randeep Singh (Jammu (Jammu & Kashmir), India), Ruchi Dua

### PA766
Comparison of Three Different 22-G Endobronchial Ultrasoundonography (EBUS) Needles in Terms of Diagnostic Yield
Nazli Cetin (Denizli, Turkey), Erhan Ugurlu

### PA767
A novel scoring system in endobronchial ultrasound-guided transbronchial needle aspiration
Ilaria Cuccaro (Rome, Italy), Kristopher Richard Flores, Rossana Vigliarolo, Federica Olmati, Giuseppina Gioffrè, Angela Maria Pia Succu, Leo Guidobaldi, Paolo Palange, Maria Cristina Zappa

### PA768
A novel scoring system in endobronchial ultrasound-guided transbronchial needle aspiration
Ilaria Cuccaro (Rome, Italy), Kristopher Richard Flores, Rossana Vigliarolo, Federica Olmati, Giuseppina Gioffrè, Angela Maria Pia Succu, Leo Guidobaldi, Paolo Palange, Maria Cristina Zappa

### PA769
Enhancing Diagnostic Accuracy in Mediastinal Lymphadenopathy: The Role of EBUS-MCB following Inconclusive EBUS-TBNA
Nihar Shah (Richmond, United States), Jon Mullholand, Josh Boron, Stephanie Baltaji, Toribiong Uchel, Ray Shepherd, Danai Khemasuwan

### PA770
NOSE examination of EBUS/EUSb samples- new method of sample adequacy evaluation
Zuzana Šestáková (Prague, Czech Republic), Jiri Votruba, Tomas Bruha

### PA771
DESCRIPTIVE STUDY OF ENDOBRONCHIAL ULTRASOUND-GUIDED TRANSBRONCHIAL CRYOBIOPSIES IN THE DIAGNOSIS OF MEDIASTINAL LESIONS
Sabina Perello Rosello (Palma De Mallorca, Spain), Marcos Becerra Ainetou, Ruth Engonga Gutiérrez, Maria Diaz Jiménez, Cristina Gómez Bellvert, Ana Forteza Valades, Alberto Alonso Fernández, Jaume Sauleda Roig

### PA772
An Explorative Analysis on Cryo-passes and Freezing Time in Endobronchial Ultrasound-Guided Transbronchial Mediastinal Cryobiopsy
Sze Shyang Kho (Kuching (Sarawak), Malaysia), Shirin Hui Tan, Chun Ian Soo, Hema Yamini Devi Ramamurti, Chan Sin Chai, Nai Chien Huan, Khai Lip Ng, Yuji Matsumoto, Venerino Poletti, Siew Teck Tie

### PA773
High dose Embleca officinalis on cough suppression during endobronchial ultrasound bronchoscopy compared to Dextromethorphan and Placebo: a double blinded randomized controlled trial.
Sarocha Phiphitsaengjan (Bangkok, Thailand), Thitiwat Sriprasart
Rapid on site evaluation of imprint smear cytology of thoracic endoscopy specimen by a pulmonologist (pROSEI) - Feasibility and diagnostic utility
Avinash Murugan (Kannur, India), Rajiv Goyal, Manish Aggarwal, Aarushi Chokhani

Evaluating the role of ATS/ERS/JRS/ALAT high resolution CT-Thorax UIP imaging categories in selecting candidates for transbronchial lung cryobiopsy for undifferentiated ILD, a retrospective study
Sean Landers (Celbridge, Ireland), Grace O'Sullivan, Louise Burke, Deirdre Doyle, Michael Maher, Michael T Henry

Procedural and sampling techniques for cryobiopsy in interstitial lung disease: a systematic review and meta-analysis
Julia Lachowicz (Melbourne, Australia), Natasha Smallwood, Jyotika Prasad, Purab Patel, Yet Hong Khor, Daniel Steinfort

Low bleeding rates following transbronchial lung cryobiopsy in unclassifiable interstitial lung disease
John Taverner (Melbourne (VIC), Australia), Carmen Lucena, Justin Garner, Christopher Orton, Andrew Nicholson, Sujal Desai, Athol Wells, Pallay Shah

Dexmedetomidine as sedative agent for flexible bronchoscopy: efficacy and patient satisfaction
Irin Lambiri (Heraklion (Crete), Greece), Vaia Stamatopoulou, Konstantinos Karagiannis, Georgios Prinianakis, Michail Fanarids, Gerasimos Lekatsas, Christina Ermidou, Dimitrios Georgopoulos, Nikolaos Tzanakis

Association between lesion angle on endobronchial ultrasound and biopsy utility in diagnosing peripheral pulmonary lesions: a retrospective analysis.
Jia Tang (Chongqing, China), Yishi Li, Shuliang Guo

Ultrasound-guided transbronchial cryobiopsy of mediastinal and hilar lesions: A cohort study from four Swiss centres
Carolin Steinack (Zürich, Switzerland), Melanie Mangold, Jürgen Hetzel, Tsogyal Latshang, Daniel Franzen, Maurice Roeder, Silvan Vesenbeckh, Silvia Ulrich, Thomas Gaissl

Artificial Intelligence for Predicting Emergency Departments Visits in Kids with Asthma (AIRE-KIDS)
Dhenuka Radhakrishnan (Ottawa (ON), Canada), Hui-Lee Ooi, Khaled El Emam

Predicting asthma attacks in New Zealand using machine learning
Widana Kankanamge Darsha Jayamini (Auckland, New Zealand), Andrew Tomlin, Holly Tibble, Kebede Beyene, Farhaan Mirza, M.Asif Naeem, Amy Hai Yan Chan

Machine learning implementation for enhanced respiratory sound classification: Assessing algorithmic efficacy
Patricia Alejandra Peña Torres (Sant Cugat del Vallès, Spain), Jacqueline Torres Castillo

Early detection of respiratory deterioration using continuous respiratory rate monitoring
Sherif Gomem (Nottingham, United Kingdom), Lucy Stones, Steve Briggs

Validation of a new, minimally-invasive, software smartphone device to predict sleep apnea and its severity
Juliette MILLET (Paris, France), Justine Frija-Masson, Gaëlle Catheline, Emilie Bequignon, Ala Covali, Josselin Houenou, Hélène Benzaquen, Pierre Alexis Geoffroy, Mathieu Grajoszex, Marie-Pia D’Ortho

Longitudinal Cough Frequency Monitoring in Subjects with Persistent Cough: Daily Variability and Predictability Over 30 Days
Mindaugas Galvosas (Wilmington, United States), Fan Chung, Peter Small, Carlos Chaccour, Lola Jover, Woo-Jung Song, Matthew Rudd

Validation and Accuracy of the Automated AI-powered Continuous Hyfe Cough Monitoring System
Mindaugas Galvosas (Wilmington, United States), Carlos Chaccour, Isabel Sánchez-Oliver, Sarah Siegel, Gina Megson, Kevin Winthrop, Juan Berto Botella, Juan Pablo De Torres, Lola Jover, Joe Brew, Matthew Rudd, Peter Small
Differentiating Cough Origins in Non-Contact AI Monitoring: Analyzing 'Non-User Coughs' with the Hyfe CoughMonitor Smartwatch
Mindaugas Galvosas (Wilmington, United States), Joe Brew, Carlos Chaccour, George Kafentzis, Lola Jover, Matthew Rudd, Peter Small

Is tachycardia associated with post-COVID symptoms regardless of physical activity level?
Antonio Sarmento, Diana C. Sanchez-Ramirez

Reliability of real-world walking activity and gait assessment in people with COPD. How many hours and days are needed?
Joren Buekers (Barcelona, Spain), Julia Chernova, José Marchena, Sarah Koch, Jorge Lemos, Clemens Becker, Tecla Bonci, Julia Braun, Brian Caulfield, Silvia Del Din, Heleen Demeyer, Anja Frei, Eran Gazit, Jeffrey M. Hausdorff, Anisoara Ionescu, Carl-Philipp Jansen, Michael Long, Basil Sharrack, David Singleton, Thierry Troosters, Alison J. Yarnall, Lynn Rochester, Judith Garcia-Aymerich

Predicting exacerbation state of COPD patients with voice analysis: findings of the TACTICAS study
Ongun Tuna (Berlin, Germany), Loes Van Bemmel, Lauren Reinders, Esther Wilms, Iris Michaels, Julia Hoxha, Ragnar Lunde, Frits M. E. Franssen, Sami O. Simons

AI-based diagnosis algorithm of pulmonary arterial hypertension using echocardiography
Jamol Uzokov (Tashkent, Uzbekistan), Anis Alyavi, Bakhromkhon Alyavi, Akbar Abdullaev, Shovkat Muminov, Sherzod Iskhakov, Sherzod Ashirbaev, Igor Vikhrov

Objectives for algorithmic decision-making systems in childhood asthma: perspectives of children, parents, and physicians.
Omar MASROUR (Rabat, Morocco), Johan Personnic, Flore Amat, Rola Abou Taam, Blandine Prevost, Guillaume Lezmi, Apolline Gonsard, Nadia Nathan, Alexandre Pirojco, Christophe Delacourt, Stéphanie Wanin, David Drummond

Artificial intelligence (AI) in detection of lung malignoma
Aleksandar Ivkovic (Niš, Republic of Serbia), Tamara Milosavljevic, Stevan Ivkovic, Dušan Ivkovic

Late Breaking Abstract - Increased adherence to Easyhaler DPI controller treatment with electronic sensor monitoring and mobile patient feedback in adult patients with asthma
Satu Lähelmä (KUOPIO, Finland), Thomas Schultz, Athanasios Xanthopoulos, Sabina Wehgartner-Winkler, Mikko Vahteristo, Michael Sebert, Margret Jandl

Late Breaking Abstract - The use of a digital inhalation coach reduces inhalation error rates in a clinical trial.
Laura Arendsén (Munich, Germany), Kai Beeh, Philipp Kroneberg, Michael Meyer, Marion Wencker

Late Breaking Abstract - Assessing the Clinical Benefit, Safety, and Patient-reported Outcomes with the Use of the PAHcare™ Digital Platform in Pulmonary Arterial Hypertension: A Pilot Study.
Carlos Ojeda Suárez (Las Palmas de Gran Canaria, Spain), Marta Evora Garcia, Nuria Ochoa Parra, Juan Antonio Domingo Morera, Amaya Martinez Meñaca, Marta López Ramón, Sergio Cadenas Menéndez, Fernando Marrero, Sara Gómara De La Cal, Cristina Ghadban Garrido, Patricia Royo Tolosana, Javier Martin Puentes, Rebeca Aldonza Aguayo, Hadi Mahdavi, Gabriela Bacchini Jeanneret, Pilar Escrivan Subias, Gregorio Pérez Peñate

Late Breaking Abstract - Smart Talk for Allergies: Unveiling an AI Chatbot for Healthier Homes
Mingyu Kang (Seoul, Republic of Korea), Eukyung Hwang, Hyesin Jung, Kichul Yu, Kyunglim Lee, Hyunju Kwon, Hahnjin Jung

PS-5 Session 79 08:00 - 09:30
Poster session: Sepsis, pneumonia and other infections

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

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

Tag(s) : Clinical

Chairs : Ana Motos Galera (Barcelona, Spain)

Organ functions in septic patients receiving fluid resuscitation guided by dynamic versus static parameters: a randomized controlled trial
THITI SRICHAROENCHAI (Bangkok, Thailand), Nanthawan Okas

Which is smarter- SMART-COP or procalcitonin?
Nadia Jawad (Karachi, Pakistan), Ashok Kumar, Fatima Hussain, Santosh Kumar
Role of multidrug-resistant bacteria in weaning from invasive mechanical ventilation
Julia Dorothea Michels-Zetsche (Heidelberg, Germany), Vicky Gassmann, Jasmin Jusajja, Benjamin Neetz, Philipp Höger, Jan Mei, Simone Britsch, Urte Sommerweck, Sebastian Fähndrich, Florian Bronitz, Michael Müller, Felix J.F. Herth, Franziska C. Trudzinski

Effect of high dose vitamin D3 on hemoglobin concentrations of mechanically ventilated patients with sepsis: A placebo-controlled randomized controlled trial
Animesh Ray (new delhi, India), Raghav Khullar, Jasmita Dass, Jasbir Kaur, Naveet Wig

Relaxing on the SOFA? A simplified approach to standardize research methods
Daniel Knox (Murray, United States), Teressa Ju, Jason Carr, Lindsay Leither, Ithan Peltan, Michael Lanspa, Jason Jacobs, Colin Grissom, Samuel Brown

Transforming antimicrobial usage: unveiling the impact of prospective audit and feedback in curbing overdose through a quasii experimental prospective study.
Komal Shah (Ahmedabad (Gujarat), India), Bhavik Shah

Prognostic value of calprotectin in patients with sepsis comparing with procalcitonin and presepsin - a pilot study
Youjin Chang (Seoul, Republic of Korea), Soojin Yoo, Ju Hyun Oh, Myungjin Lee

Exploring the Consequences: Severity and Mortality of Hemorrhagic ARDS in Leptospirosis
Tanay Sinha (NAVI MUMBAI, India), Harshita Mishra, Rosna Thomas, Anmol Shenurkar, Jairaj Nair

Lysophosphatidylcholine acyltransferase level predicts the severity and prognosis of patients with community-acquired pneumonia: A prospective multicenter study
Li Chen (Beijing, China), Jiaobo Xue, Yu Wang, Zhancheng Gao

The predictive value of lactate/albumin ratio for determining the need for ICU admission among hospitalised patients with community-acquired pneumonia.
Era Temel (Edirne, Turkey), Pervin Hanci, Furkan Bilir, Bil kay Serez

Comparison of inflammatory profiles in ARDS due to viral or streptococcal infection vs acute exacerbation of ILD
Benjamin Seeliger (Hannover, Germany), Emily Jo Winter, Mohamed Elbakini, Jannik Ruvirsch, Thorben Pape, Bahar Nalbant-Avci, Klaus Stahl, Felix Mulenge, Sascha David, Tobias Welte, Theresa Graalmann

Prognostic Factors for Acute Exacerbation of Interstitial Pneumonia: Utility of the ROX Index
Issei Katayama (Matsuyama, Japan), Hideki Makino, Ryutaro Hirayama, Kazuki Oshita, Kotaro Kajiwara, Takanori Kanematsu

Prediction of sepsis with pneumonia in a general ward using artificial intelligence
Chang Youl Lee (Chuncheon, Republic of Korea), Ki-Byung Lee, Ji Young Hong, Myung-Goo Lee

Predictive utility of modified shock index and red cell distribution width for mortality in septic patients
Ephrem Fantu (Addis Ababa, Ethiopia)

Cytokine evolution in the first 24 hours of patients with respiratory infections, with or without sepsis.
Adrián Ceccato (Barcelona, Spain), Berta Cister, Elena Campañá, Marta Camprubi, Aina Arey, Sara Quero, Monica Lopez, Patricia Salom, Carla Guijarro, Gemma Goma, Antonio Artigas

An International validation of the "DECAF score" to predict disease severity and hospital mortality in acute exacerbation of COPD in the UAE.
khadeijah Almarshoodi (Fujairah, United Arab Emirates)

Pulmonary toxicology of Poppers in HIV-undetectable patients with overinfection;comparative study.
Constantino Cristhian Reyes Femandez (Ciudad de Mexico, Mexico)

Analysis and validation of a nomogram for predicting the risk of acute respiratory failure for Pneumocystis Pneumonia patients without HIV
Wenjie Bian (Beijing, China), Yue Xin, Yukun He, Xinqian Ma, Wenyi Yu, Wentao Ni, Zhancheng Gao

A prospective study of the adipo-myokine irisin in sepsis and septic shock
Irene Karampela (Athens, Greece), Natasha Vallianou, Dimitrios Tsilingris, Gerassimos-Socrates Christodoulatos, Sotiria Psallida, Dimitris Kounatidis, Theodora Stratigou, Ioanna Marinou, Evaggelos Vogiatzakis, Maria Dalamaga

Incidence and outcome of sepsis in respiratory intensive care unit
Ashraf El-Maraghy (Cairo, Egypt), Ashraf Madkour, Mona Marouf

PS-6 Session 80 08:00 - 09:30
Poster session: Insights into the latest cellular and molecular perspectives in COPD and asthma

ERS Congress 2024
DETAILED PROGRAMME
SUNDAY 08 SEPTEMBER, 2024
### Disease(s) :
- Airway diseases

### Method(s) :
- Cell and molecular biology
- Epidemiology
- Physiology
- Public health

### Tag(s) :
- Translational

### Chairs :
- Laurent Boyer (Creteil, France), Arnaud Maillieux (Paris, France)

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<td>PA820</td>
<td>Nasal epithelial gene expression data improves the prediction of asthma exacerbations</td>
<td>Rui Marçalo (Aveiro, Portugal), Tatiana Karp, Tessa Kole, Alen Faiz, Tessa E. Gillett, Monica Kraft, Judith M. Vonk, Martijn C. Nawijn, Bianca Beghè, Klaus F. Rabe, Alberto Papi, Chris E. Brightling, Dave Singh, Thys Van Der Molen, Salman Siddiqui, Janwillem W.H. Kocks, Nazanin Z. Kermani, Ian M. Adcock, Fan Chung, Pankaj Bhavsar, Alda Marques, Gabriela R. Moura, Victor Guryev, Corry-Anke Brandsma, Maarten Van Den Berge</td>
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<td>PA822</td>
<td>Transcriptomic determinants of response to biological therapy (BT) in severe uncontrolled asthma (SUA)</td>
<td>Bartomeu Mestre Cañas (Palma de Mallorca, Spain), Bartomeu Mestre, Amanda Iglesias Coma, Josep Muncunill, Maria Berman, Aarne Fleischer, Hanaa Shafiek, Nurià Toledo, Jose Luis Valera, Meritxell Lopez, Rocio Martinez, Mar Mosteiro, Ines Escribano, Borja Cosio</td>
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<td>PA823</td>
<td>Nasal periostin expression is higher in asthma patients with versus without persistent airflow limitation</td>
<td>Tessa Kole (Groningen, Netherlands), Tatiana Karp, Alen Faiz, Huib Kerstjens, Monica Kraft, Martijn Nawijn, Klaus Rabe, Alberto Papi, Chris Brightling, Dave Singh, Thys Van Der Molen, Janwillem Kocks, Salman Siddiqui, Bianca Beghè, Victor Guryev, Maarten Van Den Berge</td>
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<td>PA824</td>
<td>Nasal gene expression in T2-low asthma</td>
<td>Tatiana Karp (Groningen, Netherlands), Alen Faiz, Tessa E. Gillett, Huib A.M. Kerstjens, Monica Kraft, Martijn C. Nawijn, Bianca Beghè, Klaus F. Rabe, Alberto Papi, Christopher Brightling, Dave Singh, Thys Van Der Molen, Janwillem W.H. Kocks, Salman Siddiqui, Nazanin Z. Kermani, Ian Adcock, Fan Chung, Pankaj Bhavsar, Victor Guryev, Maarten Van Den Berge</td>
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<td>PA825</td>
<td>Late Breaking Abstract - Extracellular Vesicles as a Delivery System for Gene Editing to Cure Alpha 1 Antitrypsin Deficiency</td>
<td>Tiziana Patrizia Cremona (Bern, Switzerland), Roberta Esposito, Mario Amacker, Anna-Barbara Tschirren, Thomas Geiser, Amiq Gazdhar</td>
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<td>PA826</td>
<td>The NOVELTY nasal transcriptome identifies mechanisms in asthma and COPD exacerbators</td>
<td>Rosa Faner Canet (Barcelona, Spain), Adnan Azim, Arun Jayaraman, Zhi Lui, Gary Anderson, Greet De Baets, Rod Hughes, Christer Janson, Hana Müllerová, Daniel Muthas, Lisa Oberg, Kristoffer Östridge, Adam Platt, Stephanie A Christenson, Maarten Van Den Berge, - For The Novelty Scientific Community And The Novelty Study Investigators</td>
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<td>PA827</td>
<td>Mitochondrial beta-oxidation is altered in response to prednisolone intervention in mepolizumab treated severe eosinophilic asthma</td>
<td>Craig Wheelock (Stockholm, Sweden), Stacey Reinke, Freda Yang, Liam Heaney, John Busby, Pamela Mcdowell, Imran Howell, Ian Pavord, Tim Hinks, Catherine Borg, Chris Brightling, Sarah Diver, Peter Howarth, Rekha Chaudhuri</td>
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<td>PA828</td>
<td>Effect of treatment with benralizumab or mepolizumab on the serum proteome in eosinophilic granulomatosis with polyangiitis</td>
<td>Eva Rodriguez-Suarez (London, United Kingdom), Mathias Cardner, Michael E. Wechsler, Peter A. Merkel, Benjamin Terrier, David R. W. Jayne, Florence Roufosse, Nancy Agmon-Levin, Lena Börjesson Sjö, Sofia Necander, Maria Jison, Daniel Muthas, Christopher Mccrae</td>
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<td>PA829</td>
<td>Genetic pathway score for IL-4/IL-13 signaling is associated with diseases that respond to Dupilumab</td>
<td>Manuel Ferreira (Tarrytown, United States), Carlo Sidore, Maria Sacu, Lauren Gurski, George Yancopoulous, Aris Baras, Gonçalo Abecasis</td>
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<td>PA830</td>
<td>FNDCS/irisin regulates mitochondrial function in airway subepithelial fibrosis of severe asthma</td>
<td>Wun-Hao Cheng (Taipei city, Taiwan)</td>
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<td>PA831</td>
<td>RNA alternative splicing events as biomarkers for asthma-chronic obstructive pulmonary disease overlap</td>
<td>Jung Hur (Seoul, Republic of Korea), Chin Kook Rhee</td>
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<td>PA832</td>
<td>Exploring the Therapeutic Potential of Isorhamnetin in the Treatment of Chronic Obstructive Pulmonary Disease via the Ferroptosis Pathway: A Network Pharmacology and Experimental Study</td>
<td>Zhiwei Lin (Guangzhou, China), Qianyue Yang, Baoqing Sun, Luqian Zhou</td>
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Crotalus durissus cascavella (Cdc) venom acute lung injury: Unveiling clinical implications through a murine experimental model
Ricardo Gassmann Figueiredo (Feira De Santana (BA), Brazil), Marcos Lázaro Guerreiro, Elen Azevedo, Mateus Moura, Soraya Trindade, José Bessa Junior, Ilka Biondi

Advancing lung science with primary adult alveolar organoids: Regeneration, disease modeling, and lung macrophase-epithelial interactions
Antonella Dost (Zeist, Netherlands), Lisanne Van Rooijen, Katarína Balážová, Hans Clevers

Longitudinal MRI and inflammation infiltrates reveal progressive fibrosis compared to resolving wound healing: comparing lung injury models of Bleomycin and LPS
Irma Mahmutovic Persson (Lund, Sweden), Nina Fransén Pettersson, Carla Carvalho, Anders Òrbom, René In ‘t Zandt, Lars E. Olsson, Karin Von Wachenfeldt

Ex vivo study on the relationship between the circadian clock of blood neutrophils and the effects of alpha1-antitrypsin therapy
Julia Held (Hannover, Germany), Sabine Wrenger, Tobias Welte, Sabina Janciauskiene

AI-CNN empowered micro-CT Imaging: deciphering phenotypic signatures in bleomycin-induced lung injury
Baktybek Kojonazarov (Gießen, Germany), Ingrid Henneke, Christina Pilz, Jochen Wilhelm, Norbert Weissmann, Hossein Ardeschir Ghofrani, Friedrich Grimmingen, Werner Seeger, Ralph Schermuly, Malgorzata Wygrecka

Distally derived lung fibroblasts from COPD patients show altered hypoxia-induced cellular responses and inflammatory profile
Martin Garcia-Ryde (Lund, Sweden), Nora Marek, Leif Bjerner, Gunilla Westergren-Thorsson, Ellen Tufvesson, Anna-Karin Larsson-Callerfelt

Effect of mechanosensor channel Piezol on alveolar epithelial barrier function and wound healing
Naokata Kutsuzawa (Isehara, Japan), Yoko Ito, Shizuko Kagawa, Hiroto Takiguchi, Hiroshi Kimura, Koichiro Asano

Polymers in alpha-1 antitrypsin deficiency (AATD) patients receiving a liver transplantation (LT)
Naomi Kappe (Leiden, Netherlands), Sabina Janciauskiene, Emily Van T Wout, Jan Stolk, Pieter Hiemstra, Bart Van Hoek

Repeated lung function measurements do not accentuate experimental lung fibrosis in mice
Tina Röpke (Hannover, Germany), Franziska Aschenbrenner, Lars Knudsen, Tobias Welte, Martin Kolb, Ulrich A. Maus

Quantifying the effects of nintedanib treatment on bleomycin-induced pulmonary fibrosis mice model in vivo using a novel synchrotron-based imaging method
Xiaojie Luan (Saskatoon, Canada), M. Adam Webb, Flinn N. Herriot, Veronica Marcoux, Julian S. Tam, Robert P. Skomro, Juan P. Ianowski

Quantifying the effect of pirfenidone treatment on bleomycin-induced pulmonary fibrosis mice model in vivo using a novel synchrotron-based imaging method
Xiaojie Luan (Saskatoon, Canada), M. Adam Webb, Flinn N. Herriot, Veronica Marcoux, Julian S. Tam, Robert P. Skomro, Juan P. Ianowski
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<td>PA862</td>
<td>Is the importance of positional therapy for treatment of obstructive sleep apnea overestimated?</td>
<td>Kathleen Jahn (Basel, Switzerland), Werner Strobel</td>
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<td>PA863</td>
<td>Vibrotactile Positional Therapy for positional Obstructive Sleep Apnoea: A Multicentre Randomised Controlled Trial</td>
<td>Julia Kelly (London, United Kingdom), Christopher Turnbull, Roger Newson, Emma Hedley, Ann Nevison, Annabel Nickol, Sophie West, Nicholas Talbot, John Stradling, Mary Morrell</td>
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<td>PA864</td>
<td>Expiratory Positive Expiratory Pressure (EPAP) enhanced Mandibular Advancement Device (MAD) is well tolerated with minor adverse effects</td>
<td>Sat Sharma (Toronto (ON), Canada), Antonella Conflitti, Shideh Pejman, Hilary Reiter, Barry Weinstein, Brian Smith, Ivan Valcarenghi, Adam Teo, Bob Gibbons</td>
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<td>PA865</td>
<td>A multifaceted clinical phenomenon: the CORE syndrome</td>
<td>Anela Hoxhallari (Foggia, Italy), Pasquale Tondo, Donato Lacedonia, Piera Soccio, Giorgia Lepore, Carla Maria Irene Quarto, Pietro Magaletti, Maria Lisa Baccellieri, Annarita Depalo, Antonella Santoro, Maria Pia Foschino Barbaro, Giulia Scioscia</td>
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<td>PA866</td>
<td>Sleep Quality with EPAP Enhanced Novel Mandibular Advancement Device (EMAD) versus Continuous Positive Airway Pressure (CPAP) in Mild and Moderate Obstructive Sleep Apnea (OSA)</td>
<td>Sat Sharma (Toronto (ON), Canada), Antonella Conflitti, Hilary Reiter, Ivan Valcarenghi</td>
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<td>PA867</td>
<td>A comparative study of one-night oxygen therapy for obstructive sleep apnea in patients with fibrotic interstitial lung disease</td>
<td>Teng Han (Beijing, China), Xiao Lei Zhang</td>
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<td>PA868</td>
<td>The effect of sulphiamine on potential biomarkers in moderate to severe obstructive sleep apnea</td>
<td>Erik Hoff (Göteborg, Sweden), Salilha Musovic, Ali M Komai, Ding Zou, Christian Strassberger, Kaj Stenlöf, Ludger Grote, Jan Hedner</td>
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<td>PA869</td>
<td>Electrical Stimulation in Obstructive Sleep Apnoea: Treatment Effect on the Apnoea-Hypopnoea-Index in Randomised Controlled Trials</td>
<td>Deeban Ratneswaran (London, United Kingdom), Michael Cheng, Martino Pengo, Esther Schwarz, Georgios Kaltsakas, Yuanming Luo, Michael I Polkey, Gerrard Rafferty, John Moxham, Joerg Steier</td>
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<td>PA870</td>
<td>Effect of fluid balance control on obstructive sleep apnea in peritoneal dialysis patients with volume overload: A pre- and post-intervention study</td>
<td>Seelwan Sathiratanaacheewin (Bangkok, Thailand), Piyaporn Towannang, Talermsak Kanjanabuch, Nattapong Jaimchirayatam</td>
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<td>PA871</td>
<td>Enhancing Sleep Services in a District General Hospital (DGH) through the MDT/CAS Model: A Retrospective Evaluation</td>
<td>Syed Jawad Ahmad (Walsall, United Kingdom), Uchechukwu Agboje, Megan Beacham, Anna Mowat, Atul Gulati</td>
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<td>PA872</td>
<td>Home mechanical ventilation – an observational study from a tertiary referral centre</td>
<td>Lara Benning (Zurich, Switzerland), Michelle Mollet, Matteo Bradicich, Joël Julien Herzig, Malcolm Kohler, Silvia Ulrich, Esther Irene Schwarz</td>
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<td>PA873</td>
<td>Acceptance of and adherence with long-term non-invasive positive airway pressure therapy in patients with COPD: a systematic review and meta-analysis</td>
<td>Cheryl Laratta (Edmonton, Canada), Linn Moore, Scott Kirkland, Nana Owusu Essel, Sandra Campbell, Rachel Jen, Joanna Maclean, Sachin Pendharkar, Brian Rowe</td>
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<td>PA874</td>
<td>Early-to-midlife body mass index trajectories and obstructive sleep apnoea</td>
<td>Yaoyao Qian (Carlton, Australia), Jennifer Perret, Garun Hamilton, Michael Abramson, Caroline Lodge, Gulshan Ali, Dinh Bui, Robert Adams, Bruce Thompson, Bircan Erbas, Eugene Walters, Chamara Senaratna, Shyamali Dharmage</td>
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<td>PA875</td>
<td>Factors associated with the diagnosis of hypoventilation syndrome among patients qualified for bariatric surgery.</td>
<td>Kamil Polok (Kraków, Poland), Justyna Tęczar, Natalia Celejewska-Wójcik, Piotr Major, Aleksander Kania</td>
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<td>PA876</td>
<td>Early detection of obesity hypoventilation syndrome: prevalence and physiological differences within a cohort of obese patients</td>
<td>Elisa Perger (Milano, Italy), Andrea Faini, Debora Rosa, Luigi Taranto Montemurro, Paola Faverio, Fabrizio Luppi, Antonio Foresi, Simona Bertoli, Gianfranco Parati, Carolina Lombardi</td>
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<td>PA877</td>
<td>Obesity and lung volumes, sleep disordered-breathing and respiratory failure – a cross-sectional observational study</td>
<td>Lara Benning (Zurich, Switzerland), Michelle Mollet, Joël Julien Herzig, Matteo Bradicich, Malcolm Kohler, Silvia Ulrich, Esther Irene Schwarz</td>
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### PA878
**Investigation of sleep quality and quality of life of patients with and without obesity-hypoventilation syndrome**  
Vasiliki Georgakopoulou (Athens, Greece), Athina Lazaridou, Athanasios Voulgaris, Kostas Archontogeorgis, Nikoleta Paxinou, Konstantina Chadia, Paschalis Steiropoulos

### PS-9  
**Session 83**  
08:00 - 09:30

#### Poster session: Translational pharmacology in airway diseases

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

**Method(s):** Cell and molecular biology, Public health, General respiratory patient care, Physiology

**Tag(s):** Translational

**Chairs:** Lena Uller (Lund, Sweden), Guy Brusselle (Ghent, Belgium)

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<td>PA879</td>
<td>Deep learning-based design of cell-targeting ligands enables targeted and functional siRNA delivery to lung cell subsets</td>
<td>Kyler Lugo (Berkeley, United States), Chad Miller, Thi Trinh, Chang-Wook Lee, Celina Huang, Hannah Chen, Wing Poon, Jin Martinseu, Seth Myers</td>
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<td>PA880</td>
<td>Dupilumab antagonizes the stimulatory effects of IL-13 on mucin production by human bronchial epithelium cells. Francine Medjiofack Djeyou (PADUA, Italy), Davide Malfacini, Marco Solimano Negrini, Giulia Natali, Silvia Pontis, Marcello Trevisani, Girolamo Calo'</td>
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<td>PA881</td>
<td>Application of 20 nanometer bacterial cellulose in the inhibition of airway inflammation in asthma</td>
<td>Qi Yu (Guangzhou, China)</td>
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<td>PA882</td>
<td>Small molecular modulation of allergen-induced asthma via human protease-activated receptor-2 (PAR2) in vivo</td>
<td>Scott Boitano (Tucson, United States), Samuel Gillman, Hillary Schiff, Riley Hellinger, Megan Cracchiolo, Truc Le, Rachell Batershel, William Pederson, Moeno Kume, Gregory Dussor, Theodore Price, Josef Vagner, Julie Ledford, Kathryn Defea</td>
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<td>PA883</td>
<td>Role of Polo-like kinase 1 in T2-low asthma model</td>
<td>Yilin Pan (Shanghai, China), Yishu Xue, Xia Fei, Xue Zhang, Lei Zhao, Lei Han, Hang Su, Wuping Bao, Yan Zhou, Yingyin Zhang, Guogang Xie, Deping Kong, Min Zhang</td>
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<td>PA884</td>
<td>Effects of inter-alpha-trypsin inhibitor heavy chain 4 on microbiome in OVA-induced asthma mouse</td>
<td>YI-HSUAN LIU (Taihuang, Taiwan), Hisao-Chi Chuang</td>
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<td>PA885</td>
<td>The anti-IL-33 antibody, itepekimab, potently blocks airway inflammation post a single dose in mice</td>
<td>Sehlewongel Asrat (Tarrytown, United States), Randi Foster, George Scott, Dylan Birchard, Li-Hong Ben, Jeanne Allinie, Andrew Murphy, Pamela Krueger, Matthew Sleeman, Jamie Orego</td>
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<td>PA886</td>
<td>Quantitative analysis of airway epithelial nerve subtypes in refractory/unexplained chronic cough</td>
<td>James Wingfield Digby (Manchester (Greater Manchester), United Kingdom), Chadwick Smith, Becky Proskocil, Rachel Dockry, Bashar Al-Shelkly, Jenny King, Bethany Massey, Simon Stephan, Shannon Galgani, Kimberley Holt, Shilpi Sen, Jacky Smith, Paul Marsden, Matthew Drake</td>
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<tr>
<td>PA887</td>
<td>Paclitaxel inhibits asthmatic airway remodeling by inhibiting airway smooth muscle hyperplasia in vitro and in vivo lijun xiao (guilin, China), Bo Xiao, Dong Yao, Biwen Mo, Zhiheng Huang</td>
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<tr>
<td>PA888</td>
<td>Inhibition of IL-4Rα in bronchial epithelial cells reduces CCL26 and TSLP without affecting antiviral immune responses</td>
<td>Jelena Pesic (Möndal, Sweden), Juan José Nieto Fontariago, Sofia Malm Tillgren, Pablo Miguëns Suárez, Samuel Cerps, Katerina Pardali, Stephen Delaney, Lena Uller</td>
</tr>
<tr>
<td>PA889</td>
<td>β2-agonists induce and augment rhinovirus-induction of pro-inflammatory mediators in bronchial epithelial cells. Eva Fiorenzo (London, United Kingdom), Kartik Kumar, Tatiana Kebadze, Francesca Lsoa, Patrick Mallia, Aran Singanayagam, Michael Edwards, Sebastian Johnston</td>
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<tr>
<td>PA890</td>
<td>Chronic smoke exposure reduces epithelial IL-33 expression and barrier integrity in cell culture</td>
<td>Sophie Booth (Manchester, United Kingdom), Andrew Higham, Dave Singh</td>
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<tr>
<td>PA891</td>
<td>Role of Sphingosine-1-phosphate pathway in Bisphenol A-induced inflammatory response in airway epithelial cells</td>
<td>Martina Simonelli (AVERSA, Italy), Elisabetta Granato, Ida Cerqua, Antonietta Rossì, Fiorentina Roviezzo</td>
</tr>
<tr>
<td>PA892</td>
<td>Quinolinic Acid modulates pulmonary inflammatory response to influenza infection</td>
<td>Guillaume PAMART (Lille, France), Odile Poulain Godfroy, Philippe Gosset, Olivier Le Rouzic</td>
</tr>
<tr>
<td>PA893</td>
<td>Animal models to assess potential post-inhalation irritant effects associated with inhaled drugs.</td>
<td>Daniela Miglietta (Parma (PR), Italy), Andrew Allen, Irene Bassanetti, Davide De Angelis, Maurizio Civelli, Gino Villetti</td>
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<tr>
<td>Session 84</td>
<td>08:30 - 10:00</td>
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<tr>
<td><strong>State of the art session: Respiratory infections</strong></td>
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<td><strong>Pulmonary aspergillosis</strong></td>
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<td><strong>Aims:</strong> To describe the spectrum of pulmonary aspergillosis; to explain the microbiological diagnosis and interpretation of drug sensitivity test results of pulmonary aspergillus infections; to describe the antifungal therapeutic options and challenges for pulmonary aspergillus.</td>
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<td><strong>Disease(s):</strong> Respiratory infections</td>
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<td><strong>Method(s):</strong> General respiratory patient care</td>
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<td><strong>Tag(s):</strong> Clinical</td>
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<td><strong>Target audience:</strong> Adult pulmonologist/Clinician, General practitioner, Medical Student, Paediatrician, Physician in Pulmonary Training</td>
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<td><strong>Chairs:</strong> Daiana Stolz (Freiburg, Germany), Hitasha Rupani (Southampton, United Kingdom), Thomas Wilkinson (Southampton (Hampshire), United Kingdom)</td>
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<tr>
<td><strong>08:30</strong></td>
<td><strong>The spectrum of pulmonary aspergillosis</strong></td>
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<td></td>
<td>Eva Van Braeckel (Ghent, Belgium)</td>
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<td><strong>08:45</strong></td>
<td><strong>Microbiological diagnosis of pulmonary aspergillosis</strong></td>
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<td>Paul Verveij (Nijmegen, Netherlands)</td>
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<td><strong>09:00</strong></td>
<td><strong>Antifungal therapeutic options and challenges</strong></td>
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<td></td>
<td>Martin Hoenigl (Graz, Austria)</td>
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<td><strong>09:15</strong></td>
<td><strong>Chronic pulmonary aspergillosis in people with post-tuberculosis lung disease or cystic fibrosis</strong></td>
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<td>Helmut Salzer (Linz, Austria)</td>
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<td><strong>09:30</strong></td>
<td><strong>Discussion and Q&amp;A</strong></td>
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<td>All Speakers</td>
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<tr>
<th>Session 85</th>
<th>08:30 - 10:00</th>
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<tr>
<td><strong>Hot topics: Malignant pleural effusion diagnosis and management: practical solutions for optimal outcomes</strong></td>
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<td><strong>Aims:</strong> To discuss the evidence base for accelerated pathways in suspected malignant pleural effusion, including direct to biopsy and criteria for more comprehensive sampling by thoracoscopy; best practice in inpatient pleurodesis, including agents, techniques, timing and detection of the non-expansible lung; the optimal use of indwelling pleural catheters, including drainage frequency, adjuvants and management of complications; and the pathophysiology of symptoms and fluid production and how these might be manipulated to improve outcomes.</td>
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<td><strong>Disease(s):</strong> Respiratory critical care, Thoracic oncology</td>
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<td><strong>Method(s):</strong> Endoscopy and interventional pulmonology, General respiratory patient care, Physiology</td>
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<td><strong>Tag(s):</strong> Clinical</td>
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<td><strong>Target audience:</strong> Adult pulmonologist/Clinician, Clinical researcher, Nurse, Respiratory critical care physician, Physician in Pulmonary Training, Physiologist, Thoracic oncologist</td>
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<td><strong>Chairs:</strong> Avinash Aujayeb (Newcastle, United Kingdom), Daniela Gompelmann (Vienna, Austria)</td>
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<tr>
<td><strong>08:30</strong></td>
<td><strong>Navigating the diagnostic pathway: how to achieve the right answer with the minimum delay</strong></td>
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<td>Najib M. Rahman (ABINGDON, United Kingdom)</td>
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<tr>
<td>08:45</td>
<td>Optimal delivery of an inpatient MPE management pathway: how to get the most from pleurodesis</td>
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<tr>
<td>09:00</td>
<td>Optimal delivery of an outpatient pathway: use of IPCs and combination strategies</td>
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<td>09:15</td>
<td>Beyond plumbing: pathophysiology of symptoms and fluid production and how these might be manipulated for better outcomes</td>
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<td>09:30</td>
<td>Discussion and Q&amp;A</td>
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**Session 86**  
**Year in review: Clinical year in review**  
**COPD and cardiovascular disease: latest insights in epidemiology, detection and intervention**  
**Aims:** To describe the impact of Cardiovascular diseases (CVDs) on the burden of disease and prognosis in patients with COPD, explain the cardiovascular risk associated with exacerbations of COPD, identify strategies for early diagnosis of CVDs in patients with COPD, and list innovative pharmacologic and non-pharmacologic interventions to reduce cardiovascular risk in patients with COPD.  
**Disease(s):** Airway diseases  
**Method(s):** Epidemiology, General respiratory patient care, Public health  
**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Patient, Scientist (basic, translational), Journalist  
**Chairs:** Ioannis Vogiatzis (Blyth, United Kingdom), Rachel Ong-Salvador (Amsterdam, Netherlands)  

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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker/Location</th>
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<tr>
<td>08:30</td>
<td>Impact of cardiovascular diseases on clinical control in patients with COPD</td>
<td>Fco.De Borja Garcia-Cosio Piqueras (Palma de Mallorca, Spain)</td>
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<tr>
<td>08:45</td>
<td>Cardiovascular events post- COPD exacerbation</td>
<td>Sami O. Simons (Maastricht, Netherlands)</td>
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<td>09:00</td>
<td>Early detection of cardiovascular disease in patients with COPD</td>
<td>Bianca Beghè (Modena (MO), Italy)</td>
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<td>09:15</td>
<td>Mitigating the risk of cardiovascular disease in patients with COPD</td>
<td>Jennifer Quint (Wimbledon, United Kingdom)</td>
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<td>09:30</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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**Session 87**  
**Respiratory medicine meets other disciplines: Shaping the future of pulmonary hypertension**  
**European Society of Cardiology and European Respiratory Society session**  
**Aims:** To explain the central role of the pulmonary vascular endothelium in the development of lung diseases; to present novel insights from genomics and other omics: will this lead to precision medicine in the treatment of pulmonary hypertension?; to understand the potential role of adaptive trial design in rare diseases such as pulmonary hypertension; to discuss the potential role of interventional cardiology in the treatment of pulmonary hypertension.  
**Disease(s):** Pulmonary vascular diseases  
**Method(s):** Cell and molecular biology, Imaging, Physiology  
**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Physiologist, Radiologist  
**Chairs:** Mona Lichtblau (Zürich, Switzerland), George Giannakoulas (Thessaloniki, Greece), Marion Delcroix (Leuven, Belgium)  

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<tr>
<th>Time</th>
<th>Session Title</th>
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<tr>
<td>08:30</td>
<td>The vascular origin of lung disease</td>
<td>Jurjan Aman (Amsterdam, Netherlands)</td>
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<tr>
<td>08:45</td>
<td>Are we ready for precision medicine in pulmonary hypertension?</td>
<td>Athénaïs Boucly (London, United Kingdom)</td>
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<td>09:00</td>
<td>The future of trial design in pulmonary arterial hypertension</td>
<td>Marius M. Hoeper (Hannover, Germany)</td>
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C6  
Session 88  
08:30 - 10:00

**Symposium: Post-prematurity lung disease: from birth to adulthood**

**Aims:** To provide an update on the newest insights in post-prematurity lung disease; to discuss how perinatal management may help prevent lung disease and promote lung development in the preterm lung.

**Disease(s):** Airway diseases, Paediatric respiratory diseases, Pulmonary vascular diseases

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

**Tag(s):** Clinical, Translational

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Nurse, Paediatrician, Physician in Pulmonary Training, Scientist (basic, translational), Journalist

**Chairs:** Sophie Cohen (Amsterdam, Netherlands), Alexander Möller (Zürich, Switzerland), Nicole Beydon (Paris, France)

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<th>Time</th>
<th>Title</th>
<th>Speaker</th>
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<tr>
<td>08:30</td>
<td>Parent's perspective</td>
<td>Speaker to be confirmed</td>
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<tr>
<td>08:35</td>
<td>Perinatal strategies to prevent lung disease and promote lung development in the preterm lung</td>
<td>Anna Lavizzari (Milano (MI), Italy)</td>
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<tr>
<td>08:50</td>
<td>Is prematurity-related lung disease an inflammatory disease?</td>
<td>Sailesh Kotecha (Cardiff (South Glamorgan), United Kingdom)</td>
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<td>09:05</td>
<td>Lifelong lung function trajectories in post-prematurity lung disease</td>
<td>Shannon Simpson (Perth (WA), Australia)</td>
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<tr>
<td>09:20</td>
<td>Practical implications for management of prematurity-related chronic respiratory disease: from infancy to adulthood</td>
<td>Liesbeth Duijts (Rotterdam, Netherlands)</td>
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<td>09:35</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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A2  
Session 89  
08:30 - 10:00

**Symposium: Cell therapy in lung rejection, acute lung injury and beyond**

**Aims:** To provide an overview of the challenges and possibilities of cell therapy for lung diseases with a specific focus on lung rejection and acute respiratory distress syndrome (ARDS); to identify and describe the possible mechanisms-of-actions of mesenchymal stromal cell (MSC)-based therapy; to highlight the need to understand the interaction between MSCs and the local host microenvironment and to discuss how this information can be useful when designing clinical trials; to highlight new discoveries that will likely impact the future of cell-based therapy in respiratory medicine; to encourage interaction between basic scientists and clinical researchers.

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

**Method(s):** Cell and molecular biology, Respiratory intensive care, Transplantation

**Tag(s):** Translational

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Respiratory critical care physician, Scientist (basic, translational), Thoracic surgeon, Respiratory therapist

**Chairs:** Rachel Chambers (London, United Kingdom), Sara Cuevas Ocaña (Nottingham, United Kingdom)

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<th>Time</th>
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<tr>
<td>08:30</td>
<td>Promise and obstacles of mesenchymal stromal cell-based therapy for lung diseases</td>
<td>Daniel Weiss (Burlington, United States)</td>
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<td>08:45</td>
<td>Interaction of mesenchymal stromal cells with the lung microenvironment: an overlooked aspect?</td>
<td>Sara Rolandsson Enes (Lund, Sweden)</td>
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<td>09:00</td>
<td>Mesenchymal stromal cell therapy for chronic lung allograft dysfunction: how far can we reach experimentally?</td>
<td>David Gomez De Antonio (Madrid, Spain)</td>
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<td>09:15</td>
<td>Mesenchymal stromal cell therapy for acute respiratory distress syndrome: results from the START trial</td>
<td>Kathleen Liu (San Francisco, United States)</td>
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</table>
Mini symposium: Use of radiology tools in healthcare pathways

Aims: To explain what photon counting is and how to use this technique in imaging of the lungs; to illustrate what an MRI examination means for a child and what the indications are for such an examination in children; to present benefits of ultrasound as a simple technique that can be performed at the bedside and the indications for ultrasound at the bedside in the emergency setting for the immediate diagnosis of acute respiratory failure.

Disease(s):  Airway diseases, Paediatric respiratory diseases, Thoracic oncology
Method(s): Imaging
Tag(s): Clinical, Congress theme: Humans and Machines: getting the balance right
Target audience: Adult pulmonologist/Clinician, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Paediatrician, Radiologist, Scientist (basic, translational), Thoracic oncologist, Journalist
Chairs: Walter De Wever (Leuven, Belgium), Amanda Dandanell Juul (Odense S, Denmark), Frans H.C. De Jongh (Enschede, Netherlands)

08:30  Photon-counting CT in lung imaging: new CT technology for better diagnosis with a lower radiation dose
Adám Domonkos Tárnoki (Budapest, Hungary)

08:45  Novel pulmonary MRI and artificial intelligence of neonatal lung disease
Pierluigi Ciet (Rotterdam, Netherlands)

09:00  Ultrasound of the lung in the emergency setting
Maija Radzina (Riga, Latvia)

09:15  Discussion and Q&A
All Speakers

News from the studio: News from the studio 1

Aims: To introduce and summarise the congress programme for a day.
Chairs: Monika Gappa (Düsseldorf, Germany), Anita Simonds (London, United Kingdom)

Deep Dive: Man and machine: avoiding inequities

Aims: To explore the potential of digital healthcare to improve or exacerbate inequities
Tag(s): Congress theme: Humans and Machines: getting the balance right
Chairs: Monika Gappa (Düsseldorf, Germany), Anita Simonds (London, United Kingdom)

09:20  Digital transformations as new determinants of health
Speaker to be confirmed

09:40  Panel discussion and Q&A
Ian Sinha (Liverpool (Merseyside), United Kingdom), Guy F. Joos (Ghent, Belgium)

Oral presentation: Best abstracts in respiratory physiotherapy

Disease(s): Interstitial lung diseases, Thoracic oncology, Respiratory critical care, Airway diseases
Method(s): Pulmonary rehabilitation, Epidemiology, Physiology, Pulmonary function testing, General respiratory patient care
Tag(s): Clinical
Chairs: Martijn A. Spruit (Horn, Netherlands), Joana Cruz (Leiria, Portugal)

Late Breaking Abstract - An exercise program in primary care for patients after an AECOPD: a randomised controlled trial

OA937  Fien Hermans (Gent, Belgium), Marieke Wuyts, Eva Arets, Astrid Blondeel, Sofie Breuls, Nina Cardinaels, Carole De Cock, Nikolaas De Maeyer, Stephanie Everaerts, Dimitri Stylemans, Filip Triest, Eric Derom, Wim Janssens, Thierry Troosters, Heleen Demeyer
Non-linear periodized resistance training in COPD: an international multicentre RCT
Erik Ingemar Frykholm (Umeå, Sweden), Peter Klijn, Jonas Vestman, Didier Saey, Hirenonymus W.H Van Hees, Per Stål, Sarah Marklund, Mikael Martin, Thomas Sandström, Francois Maltais, Andre Nyberg

Improved 6-minute walk distance after Pulmonary Rehabilitation in primary care: a randomized, controlled, pragmatic trial in patients with long COVID (PuRe-COVID)
Tess Volckaerts (Edegem, Belgium), David Rutten, Chris Burtin, Kevin Desoer, Ellie Oostveen, Kirsten Quadflieg, Dries Cops, Marc Daenen, Maarten Criel, Iris Verhaegen, Ella Roelant, Dirk Vissers, Thérèse Lapperre

Inspiratory muscle training enhances recovery post-COVID-19: a randomized controlled trial
Cássia Goulart (São Carlos, Brazil), Gerson Cipriano Junior, Ana Clara G Sobral, Marcela Lopes Alves, Jean Carlos Coutinho, Nadia Oliveira Gomes, Mauricio Milani, Ricardo Stein, Graziella França B. Cipriano, Vinicius Zacarias Maldaner Da Silva

Randomised controlled trial of home-based exercise and self-management following lung cancer surgery
Catherine Granger (Parkville (VIC), Australia), Lara Edbrooke, Phillip Antippa, Gavin Wright, Christine Mcdonald, Diana Zannino, Shaza Abo, Meinir Krishnasamy, Louis Irvine, Karen Lamb, Georgina Whish-Wilson, Linda Denehy, Selina Parry

Home-based physical activity in ILD: an RCT
Cáitá Paixão (Aveiro, Portugal), Ana Sofia Grave, Vânia Fernandes, Francisca Teixeira Lopes, M Aurora Mendes, Pedro Ramalho, Pedro Gonçalo Ferreira, Dina Brooks, Alda Marques

Acute effect of supramaximal high-intensity interval training on neurotrophic factors in people with COPD
Johan Jakobsson (Umeå, Sweden), Jana De Brandt, Mattias Hedlund, Anna-Clara Rullander, Thomas Sandström, Andre Nyberg

Maximal sniff nasal inspiratory pressure cut-offs for defining inspiratory muscle weakness
Ana Lista Paz (A Coruña, Spain), Rodrigo Torres-Castro, Daniel Langer, Sonia Souto Camba, Luz González Doniz, Margarita Barral-Fernández, M. Amalia Jácome Pumar, Alejandro Quintela Del Rio, Elena Guimenos-Santos, Jordi Vilaró, Ane Arbilla Etxarri, Cristina Serrano Veguillas, Ana B. Varas De La Fuente, Concepción Martín Cortijo, Esther García Delgado, Pilar Bravo Cortés, Marina Franciso Gallego, Beatriz Herrero Cortina, Carolina González Montaño, José Luis Valera Felices, Yolanda Sansesteban Hermida, Esther Giménez Moolhuyzen, Jorge Alvarez Rivas, Antonio T. Rios Cortés, Guilherme Fregonezi

Discussion and Q&A
All Speakers}

A3 Session 95 09:30 - 10:45
Oral presentation: Sarcoidosis: novel insights in disease epidemiology, immunology and treatment

Disease(s): Interstitial lung diseases
Method(s): Epidemiology General respiratory patient care Cell and molecular biology Imaging Pulmonary function testing
Tag(s): Translational
Chairs: Marcel Veltkamp (De Meern, Netherlands), Natalia V. Rivera (Stockholm, Sweden)

Late Breaking Abstract - Deciphering disagreement: sarcoidosis management and the role of FDG-PET/CT
Ryan Donnelly (Dublin, Ireland), Alessandro N. Franciosi, Sarah Forde, Michael Medermott, Michael P. Keane, Emmet E. Mcgrath, David J. Murphy, Cormac Mccarthy

Effectiveness of methotrexate versus prednisone as first-line treatment for pulmonary sarcoidosis
Vivienne Kahlmann (Rotterdam, Netherlands), Marcel Veltkamp, Karen Moor, Montse Janssen Bonas, Remy Mostard, Rein Van Rijswijk, Jan Van Der Maten, Miranda Geelhoed, Linda Moonen, Marieke Overbeek, Bart Koopman, Marco Grootenboers, Esther Nossent, Michiel Wagenaar, Henk Kramer, Pascal Wielders, René Jonkers, Stefán Walen, Brigitte Bogaarts, René Kerstens, Mayka Overgaauw, Jan Grutters, Marlies Wijsenbeek

BERYSARC: a multicentric control case study comparing chronic beryllium disease to pulmonary sarcoidosis
Usual interstitial pneumonia (UIP) pattern in pulmonary sarcoidosis
Gioele Castelli (Padova, Italy), Arthaih Sriarangan, Nishanth Sivarasan, Simon R. Bax, Richard J. Hewitt, Maria Kokosi, Peter M. George, Felix Chua, Philip L. Molyneaux, Richard Gisli Jenkins, Elisabetta A. Renzoni, Toby M. Maher, Paolo Spagnolo, Sujal Desai, Athol U. Wells, Vasileios Kouranos

Late Breaking Abstract - Evaluation of the antifibrotic activity of bexotegrast, a dual αVβ6/αVβ1 integrin inhibitor, in precision-cut lung slices prepared from non-IPF interstitial lung disease explants
( ), Steve Ho, Vikram Rao, Chris Her, Selorm Tamakloe, Paul Wolters, Scott Turner, Johanna Schaub

Deciphering the genetic tapestry: Insights into sarcoidosis across diverse populations with the MESARGEN Consortium

Dissecting the immune cell niche in pulmonary sarcoidosis – CXCL10+ monocyte-derived macrophages are potential drivers of TH17.1 inflammation
Jannik Ruwisch (Hannover, Germany), Jonas C. Schupp, Brigita Bartkute, Natalia Artysh, Naftali Kaminski, Antje Prasse

Sarcoidosis in the United Kingdom: Findings from the first decade of the UK ILD Registry
Ling-Pei Ho (Oxford (Oxfordshire), United Kingdom), Maria Loughenbury, Leo Casimo, Sarah Agnew, Howard Almond, Nazia Chaudhuri, Ahmed Fahim, Sophie V Fletcher, Sarah Haney, Clare Hodkinson, Paul Minnis, Evelyn Palmer, Iain Stewart, Andrew Wilson

RESOLVE-LUNG, a multinational, randomized, placebo-controlled Phase II trial of namilumab, an anti-GMCSF monoclonal antibody, in chronic pulmonary sarcoidosis: trial design and patient characteristics
Chantal Petit (Newtown, United States), Bernt Van Den Blink, Hayes M.Dansky, Min Lin, Nesrin Mogulkoc, Rohit Gupta, Sibel Atis Nayci, Julien Guiot, James Galloway, Robert P. Baughman, Theodore F. Reiss

A population-based matched cohort study of sarcoidosis incidence, prevalence, and all-cause mortality. The HUNT study
Astrid Gjervold Lunde (Harstad, Norway), Anne Hildur Henriksen, Hanne Sørger, Arnulf Langhammer, Solfrid Romundstad
Observed laryngeal responses during non-invasive ventilation in healthy volunteers
Anne Kristine Brekka (Nedenes, Norway), George Ntoumenopoulos, Ola Orange Roksund, Merete Salveson Engeset, Hege Clemm, Thomas Halvorsen, Maria Vollsæter, Tiina Andersen

Optimising insufflation parameters of mechanical insufflation-exsufflation to augment cough in patients with Duchenne muscular dystrophy (DMD).
Neeraj Shah (London, United Kingdom), Chloe Apps, Sophie Madden-Scott, Bawan Abdulaziz, Rebecca D'Cruz, Eui-Sik Suh, Nicholas Hart, Georgios Kaltatakas, Patrick Murphy

Utility of Diaphragmatic Ultrasound and Diaphragmatic Electromyogram in Amyotrophic Lateral Sclerosis
Mikel Sarasate Azkona (Barcelona, Spain), Ana Cordoba Izquierdo, Enric Prats Soro, Edelweiss Anton Albiñana, Lluis Mateu Gomez, Luciana Baglitivo Duarte, Alejandro Caravaca Puchades, Raul Dominguez Rubio, Monica Povedano Panades, Eva Farrero Muñoz

Sleeping on Clouds; a comparison of the impact of polysomnography versus remote determination on non-invasive ventilation device settings
Anna Ridgers (Heidelberg, Australia), Warren Ruehland, Liam Hannan, Kayla Bruzzese, Linda Rautela, Ashwin Rajan, David Berlowitz, Mark Howard

Patient-ventilator asynchrony unraveled: optimization of data acquisition and analysis
Farnaz Soleimani (Enschede, Netherlands), Dirk Donker, Eline Oppersma, Marieke Duiverman

Impact of home NIV on severe exacerbations and survival in COPD: a French nationwide cohort study using multistate models
Jean-Louis Pépin (Grenoble, France), Eleonore Herquelot, Hélène Denis, Anne Josseran, Florent Lavergne, Adam Benjafield, Atul Malhotra, Janna Raphelson, Peter Cistulli, Aurelie Schmidt, Sebastien Bailly, Alain Palot, Arnaud Prigent

Discussion and Q&A
All Speakers

## Straus 1 Session 97  09:30 - 10:45

**Oral presentation: Lifetime impact of environmental and occupational exposures on respiratory health**

**Disease(s):** Airway diseases, Interstitial lung diseases  
**Method(s):** Epidemiology, Public health  
**Tag(s):** Clinical  
**Chairs:** Sara De Matteis (Milan, Italy), Orianne Dumas (Villejuif, France)

**Late Breaking Abstract - Associations of residential green space with incident asthma and the role of air pollution: Evidence from UK Biobank and Chinese C-BIOPRED study**
Mingkai Huang (Guangzhou, China), Junjie Wen, Xuliang Cai, Changxing Ou, QingLing Zhang

**Improved air quality and asthma incidence from school-age to young adulthood: a population-based prospective cohort study**
Zhebin Yu (sola, Sweden), Simon Kebede Merid, Tom Bellander, Anna Bergström, Kristina Eneroth, Anne-Sophie Merritt, Maria Ödling, Inger Kull, Petter Ljungman, Susanna Klevebro, Massimo Stafoggia, Christer Janson, Gang Wang, Göran Pershagen, Erik Melen, Olena Grzuicieva

**Air pollution, genetic susceptibility and risk of progression from asthma to COPD**
Yutong Cai (London, United Kingdom), Jing Huang, Jianbo Jin, Teng Yang, Guoxing Li

**Long-Term Exposure to Air Pollution and Lower Respiratory Infection in Adults: Evidence From Over 16-Years of Follow-Up for Danish National Cohort**
Jiawei ZHANG (Copenhagen, Denmark), Youn Hee Lim, Rina So, Zhebin Yu, Steffen Loft, Stéphane Tuffier, Marie Bergmann, Thomas Cole Hunter, Laust Hvas Mortensen, Erik Melén, Zorana Jovanovic Andersen

**Passive exposure to disinfectants and cleaning products in daycare settings and child wheeze in the French CRESPI cohort**
Franziska Bright (Paris, France), Emilie Pacheo Da Silva, Flore Amat, Pierre Bonnet, Anastasie Eworo Nchama, Etienne Sévin, Valérie Siroux, Corinne Mandin, Nicole Le Moual, Orianne Dumas

**Working-life exposome and new-onset COPD: An exposome-wide association study (ExWAS)**
Occupational exposome and lung function changes: a pooled analysis of two European longitudinal cohorts

Occational particulate exposure and lung function in midle age
Dona Wijayasinghe (Hobart, Australia), Yong Song, Karen Patterson, Adrian Lowe, Haydn Watters, Caroline Lodge, Jennifer Perret, Richard Wood-Baker, Michael Abramson, Shyamali Dharmage, Graeme Zosky, Sheikh Alif

Occupational exposure to metal dust, wood dust and exhaust fume in Idiopathic Pulmonary Fibrosis (IPF)
Christopher C. Huntley (Bromsgrove, United Kingdom), Emily Rawle, Ioannis Basinas, Vivi Schlüenssen, Michael N Armitage, Pathrabali Mitra, Maximillian Thomas, P Sherwood Burge, Gareth I Watters, Alice M Turner, Ruth Wiggins

Differential association between educational levels and machine-learning derived asthma phenotypes in adults
Muwada Bashir (VÄSTRA FRÖLUNDA, Sweden), Rani Basna, Göran Wennergren, Madeleine Rådinger, Helena Backman, Emma Goksör, Jan Lötvall, Linda Ekerljung, Hannu Kankaanranta, Bright.I Nwaru

Discussion and Q&A
All Speakers

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Strauss 2
Session 98 09:30 - 10:45

Oral presentation: Strawberry fields forever: lung transplant outcomes

Disease(s) : Airway diseases, Interstitial lung diseases, Pulmonary vascular diseases, Respiratory critical care
Method(s) : Surgery, Transplantation, Imaging, Cell and molecular biology, Endoscopy and interventional pulmonology, Pulmonary function testing, General respiratory patient care

Tag(s) : Translational

Chairs : Michael Perch (Copenhagen, Denmark), Saskia Bos (Newcastle upon Tyne, United Kingdom)

Late Breaking Abstract - Multicenter study of bronchial wash-bile acid signature for the diagnosis of aspiration and prediction of chronic lung allograft dysfunction
Chiarra camillo (New York City, United States), Rayoun Ramendra, Miguel Leiva-Juarez, Elena Floris, Renu Nanadkumar, Serge Cremers, Ella Huszti, Andrew Sage, Jan Havlin, Luke Benvenuto, Selim Arcasoy, Shaf Keshavjee, Tereza Martinu, Frank D’Ovidio

The influence of HLA matching on graft survival in lung transplant recipients is indication specific
Afolari Onuola (London, United Kingdom), Kumaran Shanmugarajah, Sarah Nabulsi, Justin Salciccioli, Ghazel Mukhtar, Daniel Dolan2, Dominic Marshall, Maria Madariaga, Joseph Shalhoub

Impact of thoracic muscle volume on survival after lung transplantation
Dirk Westhölder (Essen, Germany), Johannes Haubold, Johannes Wienker, Björn Kleibrink, Markus Kamler, Christian Taube, Felix Nensa, René Horsch, Marcel Opitz

Transplant outcomes for pulmonary arterial hypertension
Baharan Zarabian (Rochester, United States), Kelly Pennington, Hilary Dubrock, Hector Cajigas, Sahar Saddoughi

Abnormal CD4/CD8 Ratio prior to Lung Transplantation is Linked to Decreased CLAD-free Survival
Miray Guney (Prague, Czech Republic), Goncalo Ferrao, David Rezac, Tereza Kotowski, Alzbeta Dutkova, Dmitry Rakita, Jan Havlin, Robert Lischke, Libor Fila, Andrea Zajacova

Single-nuclei RNA-seq reveals aberrant cell populations in restrictive allograft syndrome after lung transplantation

Transbronchial forceps- and cryobiopsy for detecting acute cellular rejection in lung transplant recipients: A randomised trial
Thomas Gaisl (Zürich, Switzerland), Carolin Steinack, Maurice Roeder, Silvan Vesenbeckh, Jan Rüschoff, Miriam Nowack, Rene Hage, Martina Haberecker, Silvia Ulrich, Malcolm Kohler, Mace Schuurmans, Daniel Franzen

Immuoguided prevention of Cytomegalovirus (CMV) in CMV-seropositive lung transplant recipients
Estefania Mira Padilla (Córdoba, Spain), Jose Manuel Vaquero Barrios, Aurora Páez Vega, Elisa Ruiz Arabi, Raquel Fernández Moreno, David Iturbe Fernández, Rodrigo Alonso Moralejo, Piedad Usetti Gil, Amparo Pastor Colom, Victor Monforte Torres, Sara Cantisan, Julian Torre Cisneros

OA980

OA981

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OA987
OA988 Advanced donor age does not impact graft survival in a large single centre lung transplant cohort
Andrei Darie (Melbourne, Australia), Bronwyn Levvey, Helen Shingles, Miranda Paraskeva, Kovi Levin, Glen Westall, Gregory Snell

OA989 Machine learning of spirometry may predict CLAD onset after lung transplantation
Pieterjan Kerckhof (Leuven, Belgium), Kenneth Verstraete, Hanne Beeckmans, Laurens De Sadeleer, John Medonough, Bart Vanaudenaerde, Robin Vos

OA990 Discussion and Q&A
All Speakers

C4 Session 101 10:15 - 11:45
Clinical cases: Lungs on fire: respiratory infections?
Aims: to present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

Disease(s): Respiratory infections, Respiratory critical care
Tag(s): Clinical
Chairs: Daiana Stolz (Freiburg, Germany), Hitasha Rupani (Southampton, United Kingdom), Thomas Wilkinson (Southampton (Hampshire), United Kingdom)
Discussants: Onno Akkerman (Groningen, Netherlands), Eva Polverino (Barcelona, Spain)

10:15 Case 1 incl. panel discussion and Q&A - Submitter: S. Subramanian (India)
Eva Polverino (Barcelona, Spain) 993

10:37 Case 2 incl. panel discussion and Q&A - Submitter: M. Kieft (Netherlands)
Onno Akkerman (Groningen, Netherlands) 994

10:59 Case 3 incl. panel discussion and Q&A - Submitter: S. M. Hettiarachchi (Sri Lanka)
Eva Polverino (Barcelona, Spain) 995

11:21 Case 4 incl. panel discussion and Q&A - Submitter: T. Sinha (India)
Onno Akkerman (Groningen, Netherlands) 996

C2 Session 102 10:15 - 11:45
Clinical trials session: ALERT 1: Enhancing respiratory care with technology, improving effectiveness of smoking cessation programmes and stage IV lung cancer
Aims: The ALERT sessions (Abstracts Leading to Evolution in Respiratory Medicine Trials) showcase important and very late-breaking clinical trial data from all respiratory disease areas. Presenters, discussants, session chairs and the audience will actively discuss the showcased trials.

Tag(s): Clinical, Congress theme: Humans and Machines: getting the balance right
Chairs: Avinash Aujayeb (Newcastle, United Kingdom), Daniela Gompelmann (Vienna, Austria)

10:15 All Speakers  RCT997

10:22 All Speakers  RCT998

10:29 All Speakers  RCT999

10:36 Wrap-up by discussant and discussion
Stylianos Loukides (Athens, Greece)  RCT1000

11:01 All Speakers  RCT1001

11:08 All Speakers  RCT1002
C5  Session 103  10:15 - 11:45

Hot topics: Race and ethnicity in pulmonary function testing

**Aims:** To address the issue regarding the use of race-specific equations in pulmonary function testing and its relevance in the present multiracial generation we are living in; to provide a comprehensive overview of the impact of ethnic or racial misclassification when interpreting pulmonary function test results, and the consequence of this misinterpretation, both for the adult and paediatric population; to provide new insights on how the issue of race or ethnic classification can be addressed; to explore other possibilities for defining normal pulmonary function test results.

**Disease(s):** Airway diseases, Interstitial lung disease, Paediatric respiratory diseases

**Method(s):** General respiratory patient care, Physiology, Pulmonary function testing

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist

**Chairs:** Ioannis Vogiatzis (Blyth, United Kingdom), Rachel Ong-Salvador (Amsterdam, Netherlands)

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<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
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<tr>
<td>10:15</td>
<td>The purpose of ethnic or racial classification in pulmonary function testing.</td>
<td>Julie Lloyd (Birmingham (West Midlands), United Kingdom)</td>
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<td>10:30</td>
<td>PFT interpretation: multiracial vs race-neutral.</td>
<td>Nirav Bhakta (San Francisco, United States)</td>
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<td>10:45</td>
<td>Race and ethnic classification on paediatric PFT.</td>
<td>Sanja Stanojevic (Halifax (NS), Canada)</td>
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<td>11:00</td>
<td>The future of reference equations: thinking outside the box.</td>
<td>Speaker to be confirmed</td>
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<td>11:15</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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C1  Session 104  10:15 - 11:45

Symposium: New therapeutic approaches in the management of pulmonary embolism, including high risk pulmonary embolism

**Aims:** To illustrate the new approaches being developed to evaluate therapeutic candidates for pulmonary vascular disease, particularly pulmonary embolism (PE), which may be biological (e.g. with the emergence of biotherapies in the field of PE) or the development of European collaborative platforms (such as the development of multidimensional tools to predict the risk of recurrence after the first episode of PE); to focus on the treatment of patients with PE at high risk of mortality; to discuss available evidence in rare situations.

**Disease(s):** Pulmonary vascular diseases, Respiratory critical care

**Method(s):** General respiratory patient care, Respiratory intensive care

**Tag(s):** Clinical, Translational

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

**Chairs:** Mona Lichtblau (Zürich, Switzerland), George Giannakoulas (Thessaloniki, Greece), Marion Delcroix (Leuven, Belgium)

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<th>Time</th>
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<tr>
<td>10:15</td>
<td>Targeting factor XI: is it really a new generation of anticoagulants?</td>
<td>Laurent Bertoletti (Saint Etienne Cedex, France)</td>
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<td>10:30</td>
<td>Development of a multicompartmental approach to protect against recurrence of pulmonary embolism</td>
<td>Francis Couturaud (Brest, France)</td>
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<td>10:45</td>
<td>Systemic fibrinolysis: how many patients benefit from this treatment?</td>
<td>Irene Lang (Wien, Austria)</td>
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<td>11:00</td>
<td>Catheter-directed therapies and ECMO: what is their place in the management of patients with acute pulmonary embolism?</td>
<td>Stavros Konstantinides (Mainz, Germany)</td>
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Symposium: Non-infectious pulmonary complications of childhood cancers: from theory to practice

**Aims:** To identify vulnerable paediatric cancers prone to lung complications and to list treatment-related risks during and after childhood cancer; to explain the fundamental concepts underlying stem cell transplantation and to outline the risk factors and various classifications of graft-versus-host disease affecting the lungs; to differentiate between interstitial and airway-related lung complications in childhood cancer based on clinical symptoms and diagnostics (including lung function and computed tomography imaging); to outline the extent of lung complications in childhood cancer survivors throughout their lifetime; to discuss a recently published international guideline concerning screening for lung complications in childhood cancer survivors; to emphasise the importance of concentrated care and global cooperation for advancing the field of paediatric pulmo-oncology, which continues to face substantial mortality and morbidity challenges.

**Disease(s):** Airway diseases, Interstitial lung diseases, Paediatric respiratory diseases

**Method(s):** General respiratory patient care, Imaging, Pulmonary function testing

**Tag(s):** Clinical

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

**Chairs:** Sophie Cohen (Amsterdam, Netherlands), Alexander Möller (Zürich, Switzerland), Nicole Beydon (Paris, France)

10:15 Non-infectious pulmonary complications: a comprehensive overview
Samuel Goldfarb (Minneapolis, United States)

10:30 Non-infectious chronic pulmonary complications of stem cell transplantation: monitoring, diagnosis and treatment options
Hilde Hylland Uhlving (København, Denmark)

10:45 Implementing an internationally harmonised guideline: essential pulmonary follow-up for paediatric cancer survivors after pulmonary toxic treatments
Maria Otth (St Gallen, Switzerland)

11:00 Delving into radiation pneumonitis: discussion through a paediatric case study description
Sabine M.P.J. Prevaes (Utrecht, Netherlands)

11:15 Discussion and Q&A
All Speakers

Symposium: The metabolic niche in pulmonary fibrosis
Immunometabolism: from macrophages to fibroblasts and back again

**Aims:** To provide an overview of cellular energy metabolism from glucose to glycogen, amino acids, mitochondria and the tricarboxylic acid cycle; to explain how nutrient regulation is closely linked to cellular behaviour; to discuss how cellular metabolism is rewired and tailored for cellular effector function, highlighting how immune cells like macrophages, structural cells like fibroblasts and epithelial cells like alveolar type II cells utilise and rely on different metabolic pathways for survival and function with a particular emphasis on pro-inflammatory activity and damage/repair responses of structural cells; to discuss how metabolic reprogramming occurs in lung fibrosis and is tightly linked to pathological mechanisms of the disease process; to discuss clinical implications and opportunities for therapy.

**Disease(s):** Airway diseases, Interstitial lung diseases, Paediatric respiratory diseases

**Method(s):** Cell and molecular biology, Physiology

**Tag(s):** Basic science, Translational

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Pathologist, Scientist (basic, translational)

**Chairs:** Rachel Chambers (London, United Kingdom), Sara Cuevas Ocaña (Nottingham, United Kingdom)

10:15 Defining the role of lung macrophage metabolism during lung fibrosis
Patricia Ogger (Planegg, Germany)

10:30 Dysfunctional alveolar type II cell metabolism drives fibrosis
Ana Mora (Ohio, United States)

10:45 Fibrometabolism: an emerging therapeutic frontier in pulmonary fibrosis
Brintha Selvarajah (London, United Kingdom)
Spatial metabolomics reveals glycogen is an actionable target for pulmonary fibrosis
Christopher Waters (Lexington, United States)

Discussion and Q&A
All Speakers

C3 Session 107 10:15 - 11:45

Clinical cases: Clinical challenges beyond guidelines

Aims: To describe the controversial aspects of the current guidelines for rehabilitation models, use of as-needed inhaled corticosteroids/formoterol in mild asthma, lung cancer screening and systemic sclerosis-associated interstitial lung disease; to discuss data underpinning nonadherence and alternative approaches to current recommendations; to propose evidence-based substitute management recommendations for clinicians; to identify areas of concern; to highlight the need for further research; to explain the limitations of the guidelines in order to put them in some prospective and clinical practice.

Disease(s): Airway diseases, Respiratory infections, Interstitial lung diseases, Thoracic oncology

Tag(s): Clinical

Chairs: Walter De Wever (Leuven, Belgium), Amanda Dandanell Juul (Odense S, Denmark), Frans H.C. De Jongh (Enschede, Netherlands)

10:15 Traditional centre-based rehabilitation versus alternative models: two guidelines, two interpretations?, incl. Q&A
Heleen Demeyer (Leuven, Belgium)

10:37 Use of as-needed inhaled corticosteroids/formoterol in mild asthma, incl. Q&A
Anneke ten Brinke (Leeuwarden, Netherlands)

10:59 Positive findings in lung cancer screening, incl. Q&A
Wouter H. van Geffen (Leeuwarden, Netherlands)

11:21 Treatment of systemic sclerosis-associated interstitial lung disease, incl. Q&A
Antoine Froidure (Bruxelles, Belgium)

10:30-11:15 INDUSTRY SKILLS LAB WORKSHOP SEE PAGE 1

Studio Session 110 10:30 - 11:15

Pro-Con debate: Should connective tissue-related interstitial lung diseases be treated at the earliest opportunity?

Aims: To highlight some of the emerging themes and controversies regarding the early treatment of interstitial lung diseases; to discuss the common clinical dilemmas and misconceptions that occur in clinical practice regarding the influence of age and comorbidities on the decision to start anti-inflammatory or antifibrotic treatment; to explore the role of risk stratification and early treatment in connective tissue diseases.

Disease(s): Interstitial lung diseases

Tag(s): Clinical

Chairs: Michael Kreuter (Mainz, Germany), Nazia Chaudhuri (Limavady, United Kingdom)

10:30 PRO: I would start therapy in an asymptomatic patient with mild systemic sclerosis associated ILD
Vanessa Smith (Ghent, Belgium)

10:45 CON: I would not start therapy in an asymptomatic patient with mild systemic sclerosis associated ILD
Paolo Spagnolo (Padova (PD), Italy)

11:00 Discussion and Q&A
All Speakers

Stolz 1 Session 112 10:40 - 13:00

Skills workshop: SW2 Diagnostic techniques for sleep breathing disorders - € Additional registration is required for this session.

Aims: This session aims to give an interactive demonstration and hands-on-training on different techniques and tools that are essential for the diagnosis of sleep breathing disorders. The workstations include practical training on choosing the right type of sleep studies in clinical practice, interpretation of polysomnography and polygraphy signals in adults and children and evaluation of daytime sleepiness.
**Stolz 2**

**Session 113**
**10:40 - 13:00**

**Skills workshop: SW19 Cardiac Ultrasound in the management of respiratory failure - €**

**Additional registration is required for this session.**

**Aims:**
1. Develop a rigorous and systematic approach in performing and analysing cardiac ultrasound parameters in respiratory disease.
2. Explain systolic function, diastolic function, right heart dysfunction during COPD patients, management of pulmonary embolism. 3) Explain the hemodynamic consequences of non-invasive ventilation and propose an echocardiographic monitoring for the best settings of non-invasive ventilation.
4) Develop knowledge and understanding of echocardiographic parameters in patients with COPD, pulmonary embolism or requiring non invasive ventilation.

**Disease(s):** Pulmonary vascular diseases, Respiratory critical care

**Method(s):** Imaging, Physiology

**Target audience:** Adult pulmonologist/Clinician, Respiratory critical care physician, Pathologist, Physician in Pulmonary Training, Physiologist, Radiologist

**Chairs:** Paul M. Hassoun (Baltimore, United States)

**Introduction**
All Speakers 1042

**Assessment of diastolic function in COPD patients**
Valentina Mercurio (Napoli, Italy) 1043

**Cardiac ultrasound assessment of right heart function**
Paul M. Hassoun (Baltimore, United States) 1044

**Cardiac ultrasound for the management of pulmonary embolism**
Mario Gerges (Vienna, Austria) 1045

**Hemodynamic consequences of non-invasive ventilation**
Bouchra Lamia (Le Havre, France) 1046

**OA1047**

**Identification of COPD from primary care spirometry with artificial intelligence (AI) interpretation software: a retrospective, diagnostic accuracy study**

William Man (Harefield, United Kingdom), Anthony Paulo Sunjaya, George Edwards, Jennifer Harvey, Karl Sylvester, Joanna Purvis, Matthew Rutter, Joanna Shakespeare, Vicky Moore, Ethaar El-Emir, Gillian Doe, Karolien Van Orshoven, Suhani Patel, Maarten De Vos, Ahmed Elmahy, Benoit Cuyvers, Paul Desbordes, Rachael A. Evans, Michael D. Morgan, Richard Russell, Ian Jarrold, Nannette Spain, Stephanie Taylor, David A. Scott, Toby Prevost, Nicholas Hopkinson, Samantha Kon, Marko Topalovic
Innovating care for people with sarcoidosis using a machine learning-data driven approach
Vivienne Kahlmann (Rotterdam, Netherlands), Astrid Dunweg, Heleen Kicken, Nick Jelicic, Joke Hendriks, Richard Goossens, Marlies Wijzenbeek, Jiwon Jung

Artificial intelligence improves bronchoscopy performance – a randomized cross-over trial.
Kristoffer Mazanti Cold (Copenhagen, Denmark), Kaladerhan Agbontaen, Anne Orholm Nielsen, Christian Skjoldvang Andersen, Suveer Singh, Lars Konge

Sustained engagement with long-term home telemonitoring (HTM) by patients with COPD
Emma Raywood (Hitchin, United Kingdom), Keir Lewis, Joe Annandale, Megan Robshaw, Helen Parrott

Late Breaking Abstract - Late Breaking Abstract - Supervised Learning with Human Feedback for Enhanced Clinical Decision-Making in Breath-Based VOC Analysis
Kordel France (Dallas, United States), Anirban Paul, Muhanned Abu-Hijleh, Ivnecet Kaur Banga, Sven Jungmann, Shalini Prasad

E-health and smoking cessation: an umbrella review
Maria Sofia Cattaruzza (Roma (RM), Italy), Martina Antinozzi, Maria Assunta Donato, Maria De Marinis, Simone Sicuro, Chiara Louidice

Patient digital twins as a new digital health resource for respiratory diseases: a scoping review
Apolline Gonsard (Paris, France), David Drummond

Impact of digital health on the patient-provider relationship in respiratory secondary care settings: a mixed methods systematic review from IHI DRAGON/CONNECT CRC
David Drummond (Paris, France), Michaela Senek, Hilary Pinnock, Kjeld Hansen, Anshu Ankolekar, Una O’Connor, Katherine Serter, Oleksandr Mazulov, Christina Thornton, Pippa Powell

Evaluation of a Smartphone App for Pulmonary Rehabilitation in COPD - A Multicenter Randomized Controlled Trial
Rainer Gloekl (Schoenau am Koenigssee, Germany), Asta Stankeviciene, Marc Spielmanns, Anne Plidschun, Daniela Leitl, Inga Jarosch, Tessa Schneeberger, Bernhard Ulm, Claus Vogelmeier, Rembert Koczulla

ChatGPT: Friend or foe of sleep-related breathing disorders?
Matteo SICILIANO (ROMA, Italy), Alessia MARTINI, Simone Ielo, Gaia Bisbano, Mariarita Andreani, Luca Richeldi

E3 Session 115
11:00 - 12:15

Oral presentation: Advances in clinical practice for rare interstitial lung diseases: from research to the real world

Disease(s): Interstitial lung diseases, Pulmonary vascular diseases
Method(s): General respiratory patient care, Imaging, Epidemiology, Pulmonary function testing, Transplantation, Cell and molecular biology
Tag(s): Clinical

Late Breaking Abstract - Bexotegrast reduces type 1 collagen deposition in participants with idiopathic pulmonary fibrosis (IPF) after 12 weeks of therapy
Sydney B. Montesi (Boston, United States), Gregory P. Cosgrove, Scott Turner, Iris Zhou, Nikos Efthimiou, Antonia Susnjar, Ciprian Catana, Caroline Fromson, Annie Clark, Martin Decaris, Chris N. Barnes, Eric A. Lefebvre, Peter Caravan

Inhaled GM-CSF Reduces the Need for Whole Lung Lavage (WLL) and Improves Gas Exchange in Autoimmune Pulmonary Alveolar Proteinosis (aPAP) Patients
Ilaria Campo (Pavia (PV), Italy), Brenna C Carey, Elena Paracchini, Annalisa De Silvestri, Giuseppe Rodi, Mara De Amici, Cristina Torre, Michele Zorzetto, Matthias Griese, Angelo Guido Cordico, Bruce C Trapnell, Francesca Mariani

DIPNECH: An International Case Series
Comparison of clinical and radiological features of lung involvement between IgG4-related disease and idiopathic multicentric Castleman disease
Jiamin Zhou (Beijing, China), Xueqing Liu, Weihong Zhang

Characteristics and clinical course of lymphangioleiomyomatosis (LAM) in patients treated with sirolimus in France
Vincent Cottin (Lyon, France), Lidwine Wemeau, Brieux Chardès, Jérémie Rudant, Nada Assi, Aurélie Schmidt, Helene Denis, Yurdagul Uzunhan

Machine Learning to Identify Novel Serum Biomarkers in Lymphangioleiomyomatosis
Nicholas Mc Carthy (Dublin, Ireland), Alessandro N. Franciosi, Nishant Gupta, Katie Noonan, Francis X. Mc Cormack, Kathleen M. Curran, Cormac McCarthy

French cohort RADICO-ILD2 (FIFA): Asymptomatic manifestations in relatives of patients carrying telomere-related gene variants

From body composition to pulmonary fat attenuation volume: evaluation of new CT-based biomarkers to predict the overall survival in patients with non-specific interstitial pneumonia (NSIP).
Francesco Bonella (Essen, Germany), Luca Salhöfer, Mathias Griese, Lidwine Wemeau, Bruno Crestani, Elodie Lainey, Flore Sicre De Fontbrune, Aurélie Plessier, Jean-Christophe Dubus, Annick Clément, Hilario Nunes, Dominique Valeyre, Nadia Nathan, Jacques Cadranel, Dominique Israel Biet, Martine Reynaud-Gaudebert, Philippe Bonniaud, Lucas Plouvier, Idhir Nasri, Albane Lassus, Ibrahima Ba, Vincent Cottin, Sonia Gueguen

Children's ILDs survivors in adulthood: a European Study

Nintedanib in children and adolescents with fibrosing ILDs: interim analysis of InPedILD-ON

Discussion and Q&A
All Speakers

Lehar 3
Session 116
11:00 - 12:15

Oral presentation: Knowing your ABCs of airways disease: advances, biomarkers and control
Disease(s): Airway diseases
Method(s): Cell and molecular biology Pulmonary function testing Epidemiology Public health
Tag(s): Translational
Chairs: Robert Snelgrove (London, United Kingdom), Clarice Lim (Wien, Austria)

Late Breaking Abstract - Metabolomic endo-phenotypes based on eicosanoids of 15- lipooxygenase pathway in AERD
Adam Stepień (Krakow, Poland), Piotr Szatowski, Gabriela Trajd, Anna Gielicz, Hanna Plutecka, Lucyna Mastalerz

Some middle age biomarkers can identify impaired lifetime lung function trajectories: a prospective study from 1st to 6th decade
Dinh Bui (Melbourne (VIC), Australia), Don Vicendese, Jonathan Pham, N Sabrina Idrose, Adrian Lowe, Caroline Lodge, Raisa Cassim, Chamara Senaratna, Gayan Bowatte, Garun Hamilton, Alan James, Paul Thomas, Richard Wood-Baker, Peter Frith, Gary Anderson, Philip Hansbro, Graem Zosky, George Washko, Michael Abramson, Rosa Faner, Alvar Agusti, Jennifer Perret, E.Haydn Walters, Shyamali Dharmage

COPD patients display pronounced changes of IL-33 and ST2 expression in alveolar capillary phenotypes
Cecilia Andersson (Lund, Sweden), Premkumar Siddharaj, Caroline Sandén, Johan Ahlgren, Jimmie Jönsson, Caroline Lindö, Josquin A Nys, Sandra Lindstedt, Roland Kolbeck, Alison A Humbles, E Suzanne Cohen, Jonas S Erjefält
LSC - 2024 - Multiplex protein quantification per cell type in bronchoalveolar lavage cytospin cells of patients with asthma and healthy individuals
Ellen Tufvesson (Lund, Sweden), Nicole van der Burg, Martin Ryde, Jaro Ankerst, Leif Bjermer

A comparative analyses of group 2 innate lymphoid cells in sputum from patients with non-asthmatic eosinophilic bronchitis and allergic asthma
Takahiro Matsuyama (Dundas, Canada), Yoshihisa Tokunaga, Xiaotian Ju, Nermin Diab, Danica Brister, Mustafaa Wahab, Elena Kum, Jennifer Wattie, Karen Howie, Kieran Killian, Jaclyn Smith, Gail Gauvreau, Paul O’Byrne, Imran Satia, Roma Sehmi

Sputum proteomics shows association between asthma duration and NETosis
P Jane McDowell (Belfast, United Kingdom), Adnan Azim, John Busby, Sarah Diver, Freda Yang, Catherine Borg, Vanessa Brown, Rahul Shrimanker, Rekha Chaudhuri, Christopher E Brightling, Ian D Pavord, Peter Howarth, James D Chalmers, Liam G Heaney

Prevalence and impact of eosinophilic degranulation in patients with severe asthma
Nanna Dyhre-Petersen (Haderslev, Denmark), Alexander Wessely Silberbrandt, Anna Von Bülow, Manali Mukherjee, Celeste Porsbjerg, Laurits Frossing

Sensitisation to Staphylococcus aureus enterotoxin – a marker of an autoimmune phenotype of severe asthma?
Freja Lajer (Copenhagen, Denmark), Celeste Porsbjerg

Rilzabrutinib, a potent and selective Bruton’s tyrosine kinase inhibitor, suppresses reactive oxygen species production and CD11b activation in human eosinophils
Kai-Ting Shade (Cambridge, United States), Shin Mukai, Alexandra Hicks

Mepolizumab depletes inflammatory but preserves homeostatic eosinophils in severe asthma
Michael Fricker (New Lambton Heights (NSW), Australia), John Harrington, Sarah Hiles, Peter Gibson

Discussion and Q&A
All Speakers

Session 117 11:00 - 12:15
Oral presentation: The wide world of thoracic ultrasound

Disease(s): Respiratory critical care, Thoracic oncology, Airway diseases, Interstitial lung diseases
Method(s): Imaging, Pulmonary function testing, Endoscopy and interventional pulmonology
Tag(s): Clinical

Chairs: Casper Falster (Odense, Denmark), Beenish Iqbal (Oxford, United Kingdom)

The measurement of tracheal radius curvature for the assessment of subglottic stenosis by using point-of-care ultrasound
Gang Hou (Beijing, China), Mingming Deng

Thoracic ultrasound findings and pulmonary diagnosis in rheumatoid arthritis with respiratory symptoms
Bjørk Softrudottir (Odense, Denmark), Christian Borbjerg Laursen, Stefan Harders, Philip Lage-Hansen, Sabrina Mai Nielsen, Søren Andreas Just, Robin Christensen, Torkell Ellingsen, Jesper Romhild Davidsen

Pleural involvement in rheumatoid arthritis (RA) by thoracic ultrasound: a pilot study.
Matteo Davero (Padova, Italy), Mariaenrica Tinè, Margherita Zen, Filippo Versentini, Umberto Semenzato, Elisabetta Cocconcelli, Davide Biondini, Elisabetta Balestro, Paolo Spagnolo

Lung Ultrasonography for Detection of Interstitial Lung Disease in Patients with Systemic Sclerosis – A Diagnostic Accuracy Study
Suchada Boonpeng (Bangkok, Thailand), Silp Satjawattanavimol, Supparerk Disayabutr, Suwimon Wonglaksanapimon, Phakhphoom Thiravat, Chayawee Muangchan, Kritika Teerapuncharoen

Thoracic ultrasound elastography to differentiate between malignant and benign lesions
Christian Kildegaard (Odense, Denmark), Casper Falster, Dinesh Addala, Marianne S. Jepsen, Martine S. Nielsen, Rune Wiig, Christian B, Laursen

Lung and quadriceps ultrasound in the assessment of COPD exacerbation
Antonio Menéndez (Granada, Spain), Alejandro Romero Linares, Ayoub Hammad Ahmed, Clara Hoya Sánchez, Lucía Álvarez Muros, Ángel Almansa López, Laura Casares Martín-Moreno, Andrea Jiménez Antón, Bernardino Alcázar Navarrete
Correlation between lung ultrasonography and pulmonary function tests in the post-COVID-19 follow-up: a prospective study.
Katarzyna Zimna (Warszawa, Poland), Małgorzata Sobiecka, Dorota Wyrostkiewicz, Witold Tomkowski, Monika Szturmowicz

Static lung compliance and lung ultrasound scores
ROOSEVELT SANTOS NUNES (RIBEIRAO PRETO, Brazil), Kamila Da Grazia Iazzetta, Viviane Barbosa Silva, Taiana Bertacini Almas De Jesus, Gil Cezar Alkimin Teixeira

Ultrasound-guided needle aspiration biopsy (US-NAB) of neck nodes in patients with suspected tuberculosis: a diagnostic challenge for respiratory physicians
Maria Angela Vittoria Anna Chiara Licata (Rome, Italy), Gina Gualano, Annelisa Mencarini, Silvia Mosti, Carlo Pareo, Virginia Di Bari, Carlotta Cerva, Pietro Vitozzi, Raffaella Libertone, Maria Musso, Carla Fontana, Franca Del Nonno, Daniele Colombo, Fabrizio Palmieri

Discussion and Q&A
All Speakers

Oral presentation: Untangling the molecular, immunological and microbiome tentacles of lung cancer

Disease(s): Airway diseases, Thoracic oncology
Method(s): Public health, Pulmonary function testing, Cell and molecular biology, Endoscopy and interventional pulmonology, Palliative care, General respiratory patient care
Tag(s): Translational
Chairs: Ilona Tietzova (Prague, Czech Republic)

A phase 3 multicenter study to evaluate the accuracy and clinical usefulness of the high-sensitivity next-generation sequencing panel using cytological specimens for lung cancer (ePANEL)
Kei Morikawa (Kawasaki (Kanagawa), Japan), Yuta Takashima, Masahide Oki, Akifumi Tsuzuku, Shuji Murakami, Daisuke Minami, Shinji Fujii, Naofumi Shinagawa, Fumihiko Assano, Seiji Nakamura, Yoshiharu Sato, Yumi Ueda, Fumihiko Suzuki, Tomoyuki Koyose, Kenichiro Tanabe, Masamichi Mihesita

Aireway microbiota associated D-phenylalanine promotes cancer metastasis through epithelial mesenchymal transition in non-small cell lung cancer
yuhan du ( / / , China), Lin Gao, Hua Liao, Hangming Dong

Characterizing the tumor microbiome of non-small lung cancer patients receiving neoadjuvant chemo-immunotherapy (SAKK 16/14)
Maximilian Boesch (St.Gallen, Switzerland), Florent Baty, Sacha Rothschild, Ilaria Alborelli, Eveline Keller, Spasenija Savic, Stefanie Hayoz, Markus Joerger, Martin Früh, Martin Brutsche

Fine-Needle Aspiration improved the success rate of organoid generation and assists personalized-therapies for EGFR+ combined small cell lung cancer patients
ZhanHong Xie (GuangZhou, China), Yingbo Xie, Yongqing Wu

Chronic Obstructive Pulmonary Disease (COPD) increases propagation of Lung cancer by reducing the cytotoxicity of neutrophils to tumor cells
Zvi Gregorio Fridlender (Jerusalem, Israel), Mohamadm Keisi, Merav Shaul, Nuha Alsharif, Naomi Kaisar-Iluz, Sojod Mahrom, Osnat Bohana

Late Breaking Abstract - DNA methylation in transbronchial lung biopsy tissue aids in the diagnosis of pathologically negative lung cancer: a prospective study
Lei Li (Chengdu (Sichuan), China), Dan Liu

Immunogenic cell death-related classification predicts prognosis and response to immunotherapy in NSCLC
Yang Yu (Tianjin, China), Yan Song, Yiman Li, Zhijing Shi, Zhe Chen

Gene expression and mutational profiling of NSCLC in relation to KRAS G12C.
Joanna Moes-Sosnowska (Warsaw, Poland), Urszula Lechowicz, Magdalena Pelc, Adam Szpechcinski, Paulina Skronska, Adriana Rozy, Aneta Zdral, Emil Wojda, Mateusz Polaczek, Małgorzata Szołkowska, Tadeusz Orlowski, Pawel Sliwinski, Renata Langfort, Joanna Chorostowska-Wynimko

Machine learning framework for classification of Adenocarcinoma and Squamous cell carcinoma using lung microbiome dataset for their early diagnosis
Pragya Kashyap (Jodhpur, India), Kalbhavi Vadhi Raj, Pankaj Yadav
LSC - 2024 - Distinguishing B cell maturation subsets in lymph node aspirates and peripheral blood in patients with lung cancer and sarcoidosis
Iwona Kwiecień (Warszawa, Poland), Agata Raniszewska, Elżbieta Rutkowska, Rafał Sokołowski, Piotr Mikłusz, Karina Jahnz-Rózyk, Piotr Rzepecki

Discussion and Q&A
All Speakers

Outside the congress centre

Session 119 11:00 - 18:00
Public: Healthy Lungs for Life Public Event
Chairs: Katherine Wylie (Ixelles, Belgium)

Session 121 11:45 - 12:10
Experts interview: Enthusiast meets experienced: interstitial lung disease
Aims: to introduce a new, interactive and innovative format where dedicated and enthusiastic early career members introduce landmark trials on pulmonary diseases while the experienced, expert in the field, puts these data into the context of current clinical practice, further data and guidelines; to discuss the newest data on idiopathic pulmonary fibrosis (IPF), progressive pulmonary fibrosis (PPF) and hypersensitivity pneumonitis.

Disease(s): Interstitial lung diseases

Chairs: Nina Sicker (Steinach, Germany), Laura Fabbri (London, United Kingdom)

11:45 Enthusiast meets experienced: interstitial lung disease
Michael Kreuter (Mainz, Germany)

12:00 Discussion and Q&A
All Speakers

12:15-13:15
INDUSTRY LUNCHTIME SYMPOSIUM

Poster session: Clinical problems in respiratory medicine I
Disease(s): Respiratory critical care Airway diseases Interstitial lung diseases Pulmonary vascular diseases Sleep and breathing disorders
Method(s): Endoscopy and interventional pulmonology Imaging Respiratory intensive care General respiratory patient care Physiologic Surgery Epidemiology Cell and molecular biology Pulmonary function testing Public health
Tag(s): Clinical

Chairs: Jan Willem Duitman (Lelystad, Netherlands), Stefania Principe (Palermo (PA), Italy)

PA1145 Asymptomatic Pulmonary Cryptococcosis and Tuberculosis Co-infection in an immunocompetent Host: A case report.
Rashmi Giri (Kathmandu, Nepal)

PA1146 Brain activity changes in patients with chronic obstructive pulmonary disease: A systematic review and meta-analysis
Cong Zhou (ChengDu, China), Wei Liu, Junjie Li, Yang Li

PA1147 Predictors of severe course and mortality in patients with COVID-19 associated pneumonia.
Vesela Blagoeva (Plavdiv, Bulgaria), Vladimir Hodzhev, Rositsa Dimova, Rumyana Stoyanova

PA1148 Surgical Strategies in the Management of Thoracic Tuberculosis: Over 12 Years experience
Wassim Chaieb (Ariana, Tunisia), Ali Ben Salem, Zied Chaari, Aymen Ben Ayed, Abdessalem Hentati, Imed Frikha

PA1149 Effect of high-flow nasal cannula oxygen therapy with awake prone position ventilation vs. supine position ventilation in patients with severe pneumonia: a quasi-experimental study
Aibo Zheng (Zigong City, China), Kai Sun, Shengjun Ma, Ping Liu, Yibo Shen, Li Gu, Juan Peng
Microbiological profile of tracheostomy patients with amyotrophic lateral sclerosis: a monocentric observational study

Maria Caterina Zenoni (Milano, Italy), Paolo Gaboardi, Andrea Lizio, Federica Cerri, Valentina Giunta, Giovanni Colaciccio, Massimo Croci, Elvia Giovanna Battaglia, Paolo Tarsia, Valeria Sansone, Marco Mantero, Elisabetta Roma

Late Breaking Abstract - Prompt initiation of budesonide/glycopyrronium/formoterol reduces exacerbations and cardiopulmonary events in patients with COPD (MITOS EROS+CP study)

Michael Pollack (Wilmington, United States), Joseph Tkacz, Jill Schinkel, Barnabie Agatep, Edward Portillo, Hayley Germack, Michael Crooks, Charlie Strange, Jonathan Marshall, Hana Mullerova

The effectiveness of erdosteine in patients with COPD in combination with secondary bronchiectasis

Uliana Shevchuk-Budz (Ivano-Frankivsk, Ukraine), Mykola Ostrovyckyy, Iryna Makoida, Mariana Kulynych-Miskiv, Oleksandr Varunkiv, Iryna Savelikhina

Blood eosinophil level in COPD patients depending on different risk factors

Natalia Sanina (Dnipro, Ukraine), Tetyana Pertseva, Tamara Turlyun

Development of the Multidimensional Assessment in COPD (MAC) score for short- and medium-term prognosis in highly-complex COPD patients at high risk of acute exacerbation

Domenico Di Raimondo (Palermo, Italy), Edoardo Pirera, Chiara Pintus, Riccardo De Rosa, Martina Profita, Gaia Musiari, Mario Daidone, Antonino Tuttolomondo

Malnutrition, poor quality of life and disability: part of the complexity of Chronic Obstructive Pulmonary Disease (COPD) and their influence on the rate of acute exacerbations

Domenico Di Raimondo (Palermo, Italy), Edoardo Pirera, Chiara Pintus, Martina Profita, Riccardo De Rosa, Gaia Musiari, Mario Daidone, Antonino Tuttolomondo

Impaired lung function observed in underweight Pakistani individuals aged ≤40 years: a cross-sectional analysis

AKBAR SHOUKAT (Karachi, Pakistan), Faiza Qureshi, Amna Irfan Ansari, Shayan Shahid, Umme Abiha, Emaan Fatima, Muhammad Tayyab Ihsan, Muhammad Irfan

Influence of polytherapy on moderate-to-severe exacerbation rate in patients with severe COPD: focus on β-blockers and SGLT2 inhibitors

Domenico Di Raimondo (Palermo, Italy), Edoardo Pirera, Chiara Pintus, Riccardo De Rosa, Martina Profita, Gaia Musiari, Mario Daidone, Antonino Tuttolomondo

Utility of Impulse Oscillometry System (IOS) in evaluating pulmonary function of pregnant females

Mona Asnani (Lucknow (Uttar Pradesh), India), Darshan Kumar Bajaj, Richa Tyagi, R A S Kushwaha, Rajiv Garg, Surya Kant, Anand Srivastava, Jyoti Bajpai, Ajay Kumar Verma, Neha Kumari, Ankit Kumar

Factors Predicting In-Hospital Mortality in Acute Exacerbations of Idiopathic Pulmonary Fibrosis

Ahmet Urasavas (Bursa, Turkey), Ozge Aydin Guclu, Nilufer Aylin Acet Ozturk, Anil Ozgur, Arzu Ozpehlivan, Ezgi Demirdogen, Asli Gerek Dilektsalı, Funda Coskun, Mehmet Karadag

Agreement of Spirometry Parameters Between Facemask and Flanged Mouthpiece in Healthy Individuals and Patients with Perioral Muscle Weakness

Pailin Boonkaya (Chonburi, Thailand), Narerat Sae-Eao, Jakkrit Amornvit, Nath Pasutharnchat, Worawan Sirichana

Respiratory physicians’ perceptions and learning needs for advanced care planning in non-malignant respiratory disease: A questionnaire-based survey

Nami Hayama (Chiba, Japan), Hajime Kasai, Hiroshi Tajima, Chiaki Kawame, Mikihito Saito, Takuji Suzuki

Caloric Deficiency Decreases Lung Function without Affecting Respiratory Muscle Strength Beyond Reducing Pulmonary IL-10 Levels in Older Adults without COPD

Rosa Helena Ramos Paula-Vieira (Anápolis, Brazil), Nycole Vieira Ramos Gomes, Anamei Silva-Reis, Meiry Souza Moura-Maia, Nairinha Nadia Moreira Da Silva, Fernanda Rodrigues Monteiro, Yanesko Fernandes Bella, Andre Luis Lacerda Bachi, Rodolfo P Vieira

Respiratory muscle strength and small airway function in long COVID-19 syndrome patients

Christina Anagnostopoulou (ATHENS, Greece), Nikolaos Chynkiamis, Angelos Vontetsianos, Christiana Lekka, Andriana I. Papaioannou, Petros Bakakos, Ioannis Vogiatzis, Georgios Kaltsakas, Nikolaos Koulouris

Clinical characteristics and management of allergic rhinitis in patients with obstructive apnea hypopnea sleep syndrome

Oumayma Aggouni (Ariana, Tunisia), Rahma Gargouri, Najla Bahloul, Rim Khemakhem, Sameh Msaed, Walid Fki, Samy Kammoun

Session 132 12:30 - 14:00
Poster session: Precision medicine considerations and inhalation efficacy in airway diseases

PS-10
Disease(s): Airway diseases
Method(s): Physiology, Pulmonary function testing, General respiratory patient care, Public health, Epidemiology
Tag(s): Clinical

Chairs: Thérèse Lapperre (Edegem, Belgium), Petros Bakakos (Athens, Greece)

PA1165
*Expiratory Flow Limitation Development Index (EDI) measured by oscillometry in COPD*
James Dean (Holmes Chapel, United Kingdom), Dave Singh, Augusta Beech

Assessing the accuracy of pulse oximetry to detect severe hypoxemia in chronic lung disease patients using long term oxygen therapy
Bruno Deo de Oliveira (Botucatu-SP, Brazil), Luís Maurício Batalin Júnior, Robson Aparecido Prudente, Thomaz Almeida Vargas, Bruno De Mattos Freire, Gabriella Gomes De Carvalho, Julio Cesar De Oliveira, Maria Eduarda Bueno, Jonathas William De Morais, Luiz Henrique Soares Machado, Luís Fernando Brizola, Márcio Souza Cicero Dos Santos, Jéssica Geroututti, Estefânia Aparecida Thomé Franco, Talita Jacon Cezare, Irma De Godoy, Suzana Erico Tanni

PA1166
*The effectiveness of discharge care bundles on reducing hospital readmissions in COPD: a systematic review*
Siobhan Giblin (Galway, Ireland), Tara Byrne, Melissa Mc Donnell

PA1167
*Assessing the accuracy of pulse oximetry to detect severe hypoxemia in chronic lung disease patients using long term oxygen therapy*
Bruno Deo de Oliveira (Botucatu-SP, Brazil), Luís Maurício Batalin Júnior, Robson Aparecido Prudente, Thomaz Almeida Vargas, Bruno De Mattos Freire, Gabriella Gomes De Carvalho, Julio Cesar De Oliveira, Maria Eduarda Bueno, Jonathas William De Morais, Luiz Henrique Soares Machado, Luís Fernando Brizola, Márcio Souza Cicero Dos Santos, Jéssica Geroututti, Estefânia Aparecida Thomé Franco, Talita Jacon Cezare, Irma De Godoy, Suzana Erico Tanni

PA1168
*Potential reductions in COPD exacerbations, mortality, and costs due to increased SITT use in appropriate patients. PROMETHEUS Spain.*
Marta Marin Oto (Utebo (Zaragoza), Spain), Jorge Mestre-Ferrándiz, Joaquín Sánchez-Covisa, Carmen Corregidor-Garcia, Néstor Martínez-Martínez, John Bell, Amanda McCarrthy, Jennifer Carioto, Prachi Bhatt, Bruce Pyenson

PA1170
*Implementation of 2023 CTS guidelines for SITT could reduce exacerbation and mortality rates in COPD: PROMETHEUS Canada.*
Mohit Bhutani (Edmonton (AB), Canada), Alan Kaplan, Sheena Kayaniyil, Kyla Jamieson, Ross Ormsby, John Bell, Amanda McCarrthy, Prachi Bhatt, Jennifer Carioto, Bruce Pyenson

PA1171
*Towards disease stability in COPD management: patient perspectives*
Mark Brooke (Milton, Australia), Migdalia Denis, Shane Fitch, Susanna Palkonen, Jeffrey Beach, Rianne E. Stacey, Raj Sharma, Tonya Winders

PA1172
*Late Breaking Abstract - Dupilumab improves lung function and reduces exacerbations despite withdrawal of inhaled corticosteroids/long-acting beta agonists*
Michael E. Wechsler (Denver, United States), David J. Jackson, Arnaud Bourdin, Klaus F. Rabe, Ian D. Pavord, J. Christian Virchow, Rohit Kattial, Elliot Israel, Changming Xia, Olivier Ledanois, Mena Soliman

PA1173
*Impact of varying health status thresholds on disease stability in COPD with FF/UMEC/VI: IMPACT post hoc analysis*
David M. G. Halpin (Exeter, United Kingdom), Dave Singh, Surya P. Bhatt, Marc Miravitlles, Chris Compton, Thrash Shinn Mohan, Raj Sharma, Suneal K. Sreedharan, Lee Tombs, Meilan Han

PA1174
*Identifying Patients Requiring Necessary Treatment in Mild to Moderate COPD*
Zihui Wang (Guangzhou, China)

PA1175
*Has OCS use for severe asthma in the US decreased in the last 10 years?*
Aungkana Vichiendilokkul (West Hartford, United States), Victoria S. Benson, Aparna Chauhan, George Mu, Anna Vichiendilokkul

PA1176
*The SHARP CRC Health Economics Study. Simulation of the preventable costs of oral corticosteroids in severe asthmatics in eleven European countries*
Arnaud Bourdin (Montpellier Cedex 5, France), Aruna T. Bansal, Sergio Di Matteo, Chiara Martinotti, Giacomo Bruno, Elisabeth Bel, Anneke Ten Brinke, Zsuzsanna Csoma, Barbro Dahlen, Ratko Djukanovic, Liam Heaney, Enrico Heffler, Piotr Kuna, Renaud Louis, Celeste Porsbjerg, David Ramos-Barbon, Sabina Skrgat, Thomas Paulsson, Barbara Mascialino

PA1177
*Narrative exploration of uncontrolled asthma: insights from patients and healthcare professionals in a cross-sectional study*
Mattia Ramaccia (Frascati (RM), Italy), Alessio Piraino, Vincenzo Pennisi, Eleonora Volpato, Alfio Pennisi, Paolo I. Banfi, Salvatore D'Antonio, Stefano Centanni, Filomena Bugliaro, Antonietta Cappuccio, Luca Cavaliere, Roberta Termini, Maria Giulia Marin

PA1178
*What do patients really think of oral steroids for asthma attacks? A discrete choice experiment.*

PA1179
*Impact on Quality of Life in Greek asthmatic patients receiving Budesonide/Formoterol FDC as maintenance treatment, with or without additional reliever treatment. Results from the NOTOS study.*
Maria Bertoli (Pikermi, Greece), Konstantinos Samitas, Nikoletta Rovina, Athena Gogali, Marios Panagiotou, Alexandros Ginis
Evaluating asthma control in patients using Budesonide/Formoterol FDC as maintenance treatment, with or without reliever, in Greece. Results from the NOTOS study.

Maria Bertoli (Pikermi, Greece), Paschalis Steiropoulos, Konstantinos Kostikas, Christina Leontaridi, Nikolaos Angelis, Polyantthi Papanastasiou

Treatable traits and personalised management of moderate-severe asthma: implications for reliever use, symptom control and exacerbation risk

Gabriel Garcia (City Bell, Argentina), Dave Singh, Ian Pavord, Sven Van Dijkman, Sean Oosterholt, Janna Duong, Sourabh Fulmali, Anurita Majumdar, Oscar Della Pasqua

Evaluating the influence of health policy on health outcomes: REALITI-A post hoc analysis

Rafael Alfonso-Cristancho (Collegeville, United States), Samantha N Valliant, Dominic Shaw, Lingjiao Zhang, Peter Howarth

Patients’ perspectives and perceptions of asthma clinical remission: A global view

Stephen G Noorduy (Mississauga, Canada), Samantha N Valliant, Steven Gould, Rafael Alfonso-Cristancho, Alison Moore, Alice Picton-March, Josh Barazetti-Scott, Kathryn Chase, Stephen Noorduy

Asthma remission: how much can we improve?

Ana Rita Gaspar Ribeiro (Portimão, Portugal), Benedita Ferreira, Pedro Americano, Inês Belchior, Lígia Pires

Clinical remission in patients with severe eosinophilic asthma treated with mepolizumab: a post-hoc analysis of the 2-year RELIght study

Andriana Papaioannou (Vrilissia (Athens), Greece), Maria Kallieri, Eleftherios Zervas, Evangelia Fouka, Konstantinos Porpodis, Marjia Hadjimitroutva, Eleni Tzortzaki, Michael Makris, Maria Ntakoula, Panagiotis Lyberopoulos, Katerina Dimakou, Sofia Koukidou, Sevasti Ampelioti, Anastasia Papapoyryiou, Konstantinos Katsoulis, Maria Kipourou, Nikoletta Rovina, Katerina Antoniou, Stylianos Vittorakis, Petros Bakakos, Paschalis Steiropoulos, Katerina Markopoulou, Panteleimon Avarlis, Ilias Papanikolau, Miltiadis Markatos, Eleni Gaki, Konstantinos Samitas, Konstantinos Glynos, Spyros Papiris, Despoina Papakosta, Nikolaos Tzanakis, Minà Giga, Konstantinos Kostikas, Stelios Loukides

Clinical remission maintained and improved over time in patients with severe asthma treated with omalizumab

Aykut Cilli (Antalya, Turkey), Fatih Uzer, Gamze Ozbay

Remission on biologics for severe asthma - 5 years of follow-up

Anne Sofie Bjerrum (Århus, Denmark), Soran Peshbahar, Tina Skjold, Johannes Martin Schmid

Clinical remission in best performers severe asthmatic patients treated for three years with mepolizumab.

Benedetta Bondi (Genova, Italy), Diego Bagnasco, Marco Caminati, Stefania Nicola, Laura Pini, Manlio Milaneses, Luisa Brussino, Gianenrico Senna, Giorgio Walter Canonica, Fulvio Braido

Real world clinical outcomes and remission rates among patients with severe asthma on monoclonal antibody therapy over two years

Fred Fyles (Liverpool, United Kingdom), Rachel Burton, Amy Nuttall, Glen Cordha, Hannah Joplin, Laura Watkins, Hassan Burhan

De-escalation of maintenance inhaler therapy in severe asthma in remission on Benralizumab

Lorena Gentile (Palermo, Italy), Alida Benfante, Alessandra Tomasello, Valentina Catanzaro, Nicola Scichilone

Clinical Remission in Severe T2 high Asthma: A real-word analysis with Omalizumab, Mepolizumab and Benralizumab.

Jeanne Vervier (Liège, Belgium), Florence Schleich, Mare Sabbe, Monique Henket, Françoise Guissant, Virginia Paulus, Nicolas Bougard, Anne-Noel Frix, Renaud Louis

Clinical remission and lung function trajectories among the T2 asthma phenotypes

Mustafa Abdo (Grosshansdorf, Germany), Vera Veith, Frauke Pedersen, Frederik Trinkmann, Anne-Marie Kirsten, Klaus F. Rabe, Henrik Watz, Thomas Bahmer

Reducing inhaled corticosteroids in patients well controlled on benralizumab: experience from a tertiary severe asthma service

Rachel Burton (Liverpool, United Kingdom), Shay Willoughby, Fred Fyles, Hannah Joplin, Anita Abraham, Amy Nuttall, Hassan Burhan
Clinical remission in patients with severe eosinophilic asthma treated with benralizumab who were randomised to reduce their inhaled corticosteroid/formoterol dose: SHAMAL post-hoc analysis

Gilles Devouassoux (Pierre-Bénite, France), David J Jackson, Frank F Käßner, Cristiano Caruso, Anat Shavit, Lynda Olinger, Andrew Menzies-Gow

Relationship between FeNO suppression and Clinical Remission with Tezepelumab in Severe Asthma

Jessica Gates (London, United Kingdom), Faizan Haris, Linda Green, Jodie Lam, Mariana Fernandes, Louise Thomson, Cris Roxas, Grainne D’Ancona, Jaideep Dhariwal, Alexandra M. Nanzer, David J. Jackson

Identifying comorbidities associated with switching patterns of real-world asthma treatment: a drug utilization study

Irene Mommers (Groningen, Netherlands), Job Van Boven, Jens Bos, Sumaira Mubarik, Eelko Hak, Maarten Bijlsma

Characteristics of patients meeting the components of clinical remission: CAPTAIN post hoc analysis

Stephen G Noorduyn (Mississauga, Canada), Ian Pavord, Jodie Crawford, Steven Gould, Mohamed Hamouda, Emmeline Igboeke, Alison Moore, David Slade, Stephen Weng, John Oppenheimer

Assessment of the components of clinical remission with moderate–severe asthma after 24–52 weeks of treatment: CAPTAIN post hoc analysis

John Oppenheimer (summit, United States), Njira Lugogo, Jodie Crawford, Steven Gould, Mohamed Hamouda, Emmeline Igboeke, Alison Moore, Stephen G Noorduyn, David Slade, Stephen Weng, Ian Pavord

Impact of varying lung function threshold on clinical remission in asthma with FF/UMEC/VI: CAPTAIN post hoc analysis

John Oppenheimer (summit, United States), Ian Pavord, Jodie Crawford, Stephen Gould, Mohamed Hamouda, Emmeline Igboeke, Alison Moore, Stephen G Noorduyn, David Slade, Stephen Weng, Njira Lugogo

Clinical characteristics impacting clinical remission attainment in REALITI-A

Guy Brusselle (Ghent, Belgium), Diane Lougheed, Giorgio Walter Canonica, Liam Heaney, Lingjiao Zhang, Steven Gould, Tobias Welte, John Oppenheimer, Peter Howarth

Characteristics of responders and non-responders to Tezepelumab in a complex, real-world severe asthma population

Pujan Patel (London, United Kingdom), Irene Berrar-Torre, Rachel Stead, Ella Campbell, Ilie-Narcis Statescu, Edel Lawless, Vincent Brennan

Dupilumab-treated patients with moderate-to-severe asthma are more likely to meet clinical remission criteria: results from the VESTIGE trial

Njira Lugogo (Durham, United States), Alberto Papi, Mario Castro, Celeste Porsbjerg, Christopher E Brightling, Arnaud Bourdin, Claudia Chavez Loureiro, Mei Zhang, Xavier Soler, Paul J Rowe, Yamo Deniz, Lucia De Prado Gomez, Harry Sacks, Juby Jacob-Nara

The Impact of Number of Treatable Traits to Clinical Remission in patients with Asthma

Chieko Yoshida (Kumamoto, Japan), Kei Muramoto, Moriyasu Anai, Akira Takaki, Yuko Horio, Hideharu Ideguchi, Takahiro Tashiro, Shinsuke Tsumura, Toshiyuki Koya, Yasuhiro Gon, Takuro Sakagami

Remission of asthma in adolescents and young adults with severe asthma treated with Dupilumab

Marta Jimenez Arroyo (Talavera de la Reina, Spain), Alvaro Moreno Ancillo, Jose Manuel Bravo Nieto, Inmaculada Lomares Manzano, Magdalena J Caminoa Irisarri

Additive prognostic value of blood eosinophils and exhaled nitric oxide (FeNO) to predict asthma attacks in the ORACLE patient-level meta-analysis

Simon Couillard (Sherbrooke, Canada), Fleur L Meulmeester, Carlos Celis-Preciado, Sanjay Ramakrishnan, Guy Brusselle, Jonathan Corren, Jo Hardy, Sarah E Diver, Christopher E Brightling, Mario Castro, Nicola A Hanania, David J Jackson, Michael E Wechsler, Neil Martin, Deborah Clarke, Annette Laugerud, Emilio Santoro, Chris Compton, Megan E Hardin, Cecile T J Holweg, Xavier Jaumont, Timothy S C Hinks, Richard W Beasley, Jacob K Sont, Ewout W Steyerberg, Ian D Pavord
PA1206  Benefit of daily FeNO measurement in asthmatics over 12 weeks: adherence, handling and overall satisfaction in the FeNO@home observational study.
Kai Michael Beelh (Taunusstein, Germany), Enrico Heffler, Hartmut Timmermann, Annette Holtdirk, Antonia Schneider, Sandra Wegner

PA1207  Extrapolmonary treatable traits in pregnant women with asthma
Esha Joshi (Sydney (NSW), Australia), Peter G Gibson, Vanessa M Mcdonald, Vanessa E Murphy

PA1208  Hot but not twitchy – Eosinophilic airway inflammation dissociates from variable airflow obstruction with increasing asthma severity
Laurits Frøssing (Copenhagen V, Denmark), Morten Hvidtfeldt, Asger Sverrild, Breathe-Studygroup, Celeste Porsbjerg

PA1209  Eosinophilia in blood and sputum in patients with severe asthma: a preliminary study

PA1210  Type-2 biomarker elevation across asthma treatment steps in the ORACLE patient-level meta-analysis of all-comer trials
Simon Couillard (Sherbrooke, Canada), Fleur L Meulmeester, Carlos Celis-Preciado, Sanjay Ramakrishnan, Guy Bruselle, Jonathan Corren, Jo Hardy, Sarah E Diver, Christopher E Brightling, Mario Castro, Nicola A Hanania, David J Jackson, Michael E Wechsler, Neil Martin, Deborah Clarke, Annette Laugerud, Emilio Santoro, Chris Compton, Megan E Hardin, Cecile T J Holweg, Xavier Jaumont, Timothy S C Hinks, Jacob K Sont, Ewout W Steyerberg, Ian D Pavord

PA1211  Inflammatory Action of Exhaled Breath Condensate from Children with Severe Asthma on Cultures of Human Respiratory Epithelium: Mechanisms and Relationship with Clinical and Functional Characteristics
Carlos Tomas Velasco Suarez (Ciudad Autónoma Buenos Aires, Argentina), Andrea Dugour, Fernanda Elias, Marcela Roque, Doris Primrose, Magdalena Voces, Gimena Donth Leger, Tania Flores Gonzalez, Gabriela Pelaez, Verónica Giubergia, Juan Manuel Figueroa

PA1212  Discrepancies in exhaled nitric oxide results at different flow rates and their correlation with peripheral and airway eosinophils
Min Zhang (Shanghai, China), Wuping Bao, Yanmei Lin, Lei Zhao, Xue Zhang, Yan Zhou, Yilin Pan, Yuning Huang, Yinqing Zhang, Chengjian Lv, Jingwang Lin

PA1213  Effect of Overweight/Obesity on Relationship Between Fractional Exhaled Nitric Oxide and Airway Hyperresponsiveness in Chinese Elderly Patients with Asthma
Fengjia Chen (guangzhou, China), Zhimin Zeng, Yangli Liu

PA1214  Exhaled nitric oxide in asthma: relationship with blood eosinophils and total IgE
Eugerta Dilka (Tirana, Albania), Artan Simaku, Perlat Kapisyzi

PA1215  Peripheral airway resistance and reactivity are associated to symptom severity in asthmatic subjects
Georgia Papapostolou (Lund, Sweden), Abir Nasr, Kerstin Romberg, Linnea Jarenbäck, Jaro Ankerst, Leif Bjørner, Ellen Tufvesson

PA1216  Diagnostic testing in a population of symptomatic adults receiving ICS for presumed asthma.
Patrick Kerr (Dublin 8, Ireland), Ciara Ottewill, Margaret Gleeson, Vincent Brennan, Helen Doherty, Orla Smith, Elaine Mac Hale, Richard Costello

PA1217  Higher triglyceride-glucose index and lower type 2 inflammation are associated with increased risk of asthma exacerbations: a prospective cohort study
Ke Deng (chengdu, China), Ji Wang, Si Yang Gao, Gang Wang

PA1218  FENO stability in repeated measurements during three consecutive days and its association with environmental air pollution in asthma patients.
Juan José Ruiz Cubillan (Mogro Miengo, Spain), Juan Agüero Calvo, Andrea Expósito Monar, Ignacio Fernandez Olmo, Juan Luis Garcia Rivero, Beatriz Abascal Bolado, Carlos Antonio Amado Diago, Maria Mercedes Hernandez Hernandez, José Manuel Cifrian Martinez, Miguel Santibañez Margüello

PA1219  FeNO variations and clinical response to biological drugs in severe asthma: A retrospective analysis
Claudio Candia (Naples, Italy), Dina Visca, Maria D’Amato, Cecilia Calabrese, Pasquale Ambrosino, Salvatore Fuschillo, Carmen Lombardi, Claudia Merola, Dina Molino, Mauro Maniscalco

PA1220  Lung function provides better insight into the sex-related differences among severe asthmatics than biomarkers.
Elisa Bentivegna (firenze, Italy), Martina Marinato, Greta Insalata, Alberto Braccioli, Alessia Catalisano, Rubina Giulia Girolamo, Chiara Allegrini, Chiara Marzi, Federico Lavorini, Gianna Camiciottoli
Diagnostic values of peripheral blood eosinophil count, fractional exhaled nitric oxide, and total serum IgE in eosinophilic asthma
Miaomiao Zhou (Xi’an, China), Jin He, Yun Liu

Elevated fractional exhaled nitric oxide is prevalent in those with mild-to-moderate asthma with self-reported asthma control
Annemie Deiteren (Gent, Belgium), Nele Dervaux, Megan Hardin, Jason Maley, Naimish Patel, Selçuk Bas, Heribert W. Staudinger, Benjamin T. Suratt

Cost effectiveness of using sputum differential cell count in chronic respiratory diseases
Gaël Tavernier (Manchester (Greater Manchester), United Kingdom), Paul Marsden, Jaclyn Smith, Stephen Fowler, Thomas Pantin

Asthma Phenotypes and Endotypes in Uncontrolled Asthma and Eligibility Assessment for Biologics in Severe Asthma Subset: an Indian Perspective
Randeep Guleria (New Delhi (Delhi), India), Rahul Tyagi, Anant Mohan, Karan Madan, Vijay Hadda, Saurabh Mittal, Pavan Tiwari, Ravindra Mohan Pandey

PS-13 Session 135 12:30 - 14:00
Poster session: Clinical chronic obstructive pulmonary disease I

Is Non-smoker COPD similar to Smoker COPD based on their oxidative damage?
Debkanya Dey (Kolkata (West Bengal), India), Debraj Roy, Sayoni Sengupta, Dipanjan Saha, Shuvam Ghosh, Sayanti Karmakar, Srijita Sen, Rajat Banerjee, Parthasarathi Bhattacharyya

Assessing Chronic Obstructive Pulmonary Disease Severity through Diaphragmatic Ultrasonography: A Comprehensive Exploration
Warda Jelassi (Tunis, Tunisia), Abir Hedhli, Khadija Euchi, Meriem Mjid, Yacine Ouahchi, Sana Cheikhrouhou, Sonia Toujani, Besma Dhahri

Assessment of small airway dysfunction and symptoms in COPD
Nikolaos Lazarinis (Stockholm, Sweden), Amalia Panagiotou, Patricia Ramos Ramirez, Anna Ehlin, Anna Ridderby, Nikolaos Pournaras, Apostolos Bossios, Anders Lindén

Efficacy of bottle positive expiratory pressure (Bottle-PEP) therapy as adjunct to bronchodilators in stable COPD patients
Shakti Kumar Bal (Vellore (Tamil Nadu), India), Subho Sarkar, Manoj Kumar Panigrahi

Discordant airways obstruction – subjects in between spirometric definitions of COPD – an analysis of the CLARA Studies
Andreas Horner (Linz, Austria), Horst Olschewski, Sylvia Hartl, Arschang Valipour, Georg-Christian Funk, Michael Studnicka, Marcel Rowhani, Bernhard Kaiser, Eva Maria Wallner, Stephan Brecht, Bernd Lamprecht

Palliative care utilization in patients with severe COPD and its associations with end-of-life care
Ophir Freund (Tel Aviv, Israel), Neta Sror, Ariel Melloul, Boaz Tiran, Gil Bornstein, Lior Zornitzki, Amir Bar-Shai

Reducing CO2 and improving clinical delivery with novel study designs
wayne brailsford (Gothenburg, Sweden), Rod Hughes, Cecilia Kristensson, Jason Cooper, Caroline Jonstrand, Rebecka Perghedson, Daniel Ohman, Matthew Bonam, Magnus Jörntén-Karlsson, Paul Thomson, Eric Cole, Sana Ansari, Tatiana Scetinina, Stephen Baker

Development in employment status in patients with COPD from 1980-2018
Melina Gade Sikjær (Egå, Denmark), Ole Hilberg, Rikke Ibsen, Anders Løkke

Hyperinflation in COPD: which parameter best reflects clinical outcomes Measures?
Soumaya Khaldi (Borj Cedria, Tunisia), Khouloud Kchaou, Balsam Barkous, Sirine Janli, Saloua Ben Khamsa Jameleddine

COPD in special populations- focus on younger and never-smoking patients from two Austrian real world studies
Eva Wallner (Vienna, Austria), Andreas Horner, Sylvia Hartl, Arschang Valipour, Georg-Christian Funk, Michael Studnicka, Marcel Rowhani, Bernhard Kaiser, Stephan Brecht, Bernd Lamprecht, Horst Olschewski
A clinical evaluation of small airways by ISO method in GVHD patients
Arianna Duro (Urbino, Italy), Rosaria Argentina Scaffidi, Francesco Del Bello, Francesca Gonnelli, Claudia Duranti, Attilio Olivieri, Giorgia Mancini, Federico Mei, Martina Bonifazi

Clinical characteristics and frequency of pulmonary embolism in patients followed with COPD
Övgü Velioglu Yakut (Ankara, Turkey), Özrun Yıldız

CT imaging in the severe COPD population; diagnostic usefulness and adherence to GOLD guidelines in the absence of a lung cancer screening programme
Anne-Marie Sweeney (Dublin, Ireland), Orla O’Carroll, Emer Kelly

Late Breaking Abstract - Electrical Impedance Tomography (EIT) determines the pulmonary ventilation heterogeneity in patients with normal and preserved ratio impairment of lung function
Huiqing Ge (Hangzhou (Zhejiang), China), Jiayi Li, Zhanqi Zhao

Health literacy and the relationship with disease severity in COPD: A cross sectional study
Hannah Clifton (London, United Kingdom), Lindsay Welch

Effectiveness of a Multidisciplinary COPD Respiratory Unit (MUCOPD). A retrospective study.
Elisabet Serra Amer (Palma de Mallorca, Spain), Adrián Rodríguez Rodríguez, Joaquín Monteagudo Rodríguez, Salvador Pons Vives, Antonia Fuster Gomila

Young COPD in the Swedish National Airway Register
Johanna Sulku (Gävle, Sweden), Oskar Wallström, Anne Lindberg, Lowie E.G.W. Vanfleteren, Caroline Stridsman

Prevalence of COPD overdiagnosis in ambulatory care and associated factors: cross-sectional study
Martin Fullana (San Juan, Argentina), Hernan Benito, Joaquin Maritano, Horacio Castro, Juan Precerutti, Graciela Svetliza

Making it count-identifying how healthcare professionals’ contributions to COPD management can be impactful on the burden faced by people with COPD.
Kamila Abutalieva (Sydney, Australia), Sinthia Bosnic-Anticevich, Lars Dijk, Katherine Borg, Renate Kat, Bandana Saini, Lynn Cheong, Biljana Cvetkovski

Specific causes of mortality in patients with chronic obstructive pulmonary disease – a prospective multicenter study.
Kristian Brat (Brno, Czech Republic), Michal Svoboda, Jaromír Zatloukal, Marek Plutinsky, Eva Volakova, Patrice Popelkova, Barbora Novotna, Tomas Dvorak, Vladimir Koblizek

Inhaled corticosteroid/long-acting beta2-agonist (ICS/LABA) new-user analysis: identifying asthma-exacerbation/short-acting beta2-agonist (SABA) overuse-associated characteristics
Mohamed Hamouda (Dubai, United Arab Emirates), Jennifer Quint, Adrian Rendón, Richard Stanford, Bilun Gemicioglu, Leandro Fritscher, Watchara Boonsawat, Shireen Quli Khan

Prevalence of obstructive sleep apnea and accuracy of type 3 home sleep apnea test for obstructive sleep apnea diagnosis in difficult-to-treat asthma
Tidarat Somruesaen (Bangkok, Thailand), Naricha Chirakalwasan

The relationship between asthma duration and FEV1 among distinct severe asthma phenotypes
Freda Yang (London, United Kingdom), Nazanin Zounemat-Kermani, Piers Dixey, Katrina Webb, Ian M Adcock, Chloe I Bloom, Kian Fan Chung

Clinical characteristics of severe asthma patients in Europe, according to the percentage of GDP spent on healthcare-a SHARP-CRC study
PA1249  Insomnia: a possible treatable trait in Severe Asthma?
Maria João Cavaco (Coimbra, Portugal), Manuela Oliveira, Sofia Pimentel, Sofia Alves, Luís Mateus, André Nunes, Ricardo Cordeiro, Carina Silvestre, Carla Cardoso, Aurorra Bragança, Natália André, Paula Raimundo, Teresa Falcao

PA1250  Concordance between ERS, GINA and NICE guidelines for the diagnosis of asthma in adults
Andrew Simpson (Hull, United Kingdom), Ran Wang, Sarah Drake, Laura Healy, Hannah Wardman, Miriam Bennett, Clare Murray, Stephen Fowler, Angela Simpson

PA1251  FUNCTIONAL AND DIAPHRAGMATIC EFFECTS OF TRIPLE INHALED THERAPY BECLOMETHASONE DIPROPIONATE/FORMOTEROL FUMARATE/GLYCOPYPRONIUM IN PATIENTS WITH UNCONTROLLED ASTHMA
Antonio Matarano (Catanzaro, Italy), Anna Ferrante Banera, Chiara Lupia, Gianluca Ippolito, Antonio Giacalone, Nicola Montenegro, Daniela Pastore, Fiamante Lello Rotundo, Francesco Giuseppe Tropea, Pasquale Romeo, Chiara Pitizzi, Corrado Pelaia, Girolamo Pelaia

PA1252  The Asthma Control Test is a poor measure of asthma control in a modern cohort of clinically uncontrolled asthma patients.
Patrick Kerr (Dublin 8, Ireland), Ciara Ottewill, Margaret Gleeson, Vincent Brennan, Helen Doherty, Orla Smith, Elaine Mac Hale, Richard Costello

PA1253  Comparison of asthma assessment tools to minimize overestimation of control
Bradley Elliott Chipp (Sacramento, United States), Kevin Murphy, David Beuther, Robert Wise, Joan Reibman, Maureen George, William Mc Cann, Ileen Gilbert, James Eudicone, Gale Harding, Karin Coyne, Robert Zeiger

PA1254  The level of vitamin D levels depends on the severity of asthma and age of onset.
Vladyslava Kachkovska (Sumy, Ukraine), Lyudmyla Prystupa, Anna Kovchun

PA1255  Impact and burden of T2-low severe asthma: Insights from the Greek PHOLLOW Study

PA1256  Small Airway Dysfunction in Adult Patients with Bronchial Asthma
Adjiti Maheshwari (Raipur, India), Praveen Kumar Dubey, Rahul Kumar Rohit, Sajal De

PA1257  T2-low asthma and its reflection on clinical burden
Selin Ercan (Gothenburg, Sweden), Reshed Abohalaka, Pinja Ilmarinen, Lauri Lehtimäki, Saliha Selin Ozyugur Ermis, Danil Lisik, Muvada Bashir Awad Bashir, Radhika JadHAV, Helen Backman, Göran Wennergren, Linda EkerJung, Jan Lötvall, Teet Pullerits, Madeleine Rådinger, Bright Nwaru, Hannu Kankaanranta

PA1258  Impact Of The 2022 Bronchodilator Responsiveness Criteria On Study Eligibility and Treatment Response To Inhaled Triple Therapy (BDP/FF/GB) In Moderate-To-Severe Asthma: A Post-Hoc Analysis Of TRIMARAN & TRIGGER.
Eva Topole (Ljubljana, Slovenia), Gu Busselle, Alberto Papi, Dave Singh, Johann Christian Virchow, Giorgio Walter Canonica, Andrea Vele, George Georges

PA1259  Identification and tracking of patients with uncontrolled severe asthma in the Germans Trias i Pujol Hospital Health Area
Anna Núñez (Barcelona, Spain), Toni Zapata, Agnes Hernández, Ignasi Garcia Olívé, Alan Junior Solís, Maria Basagaña, Clara Padró, Antoni Rosell, Jorge Abad, Carlos Martínez

PA1260  A comparative analysis of asthma admission outcomes: Impact of asthma specialist nurse intervention
Syeda Humayra Islam (Birkenhead, United Kingdom), Helen James, Christine Perry, Hassan Burhan

PA1261  Pioneering Asthma Detection Campaign: Insights and Impact Assessment
Anaí Ayáxe (Ciudad Autónoma Buenos Aires, Argentina), Ana Stock, Silvana Monsell, Pablo Moreno

PA1262  Thunderstorm Asthma
Joshua Graeme-Wilson (Taunton, United Kingdom), Jessica Harrison, Adam Usher

PA1263  Examining the impact of an asthma e-proforma on vaccination rates: A focus on elderly individuals and chronic oral corticosteroid use
Dhiviya Ganesan (Galway, Ireland), Jack Rutherford, Lisa Duffy, Theresa Frawley, Una Cannon Fahy, Patrick O'Reilly, David Gallagher, Andrea A Holmes, Michael J Harrison, Ruth P Cusack

PA1264  Upper-airway symptoms are associated with cognitive impairment in patients with severe asthma
Andreas Lilleroth Bricaud (Copenhagen, Denmark), Andreas Elleby Jespersen, Charlotte Bernhoff, Nanna Dyhr-Petersen, Emilie Johanning Bari, Morten Winther Hvidfeldt, Kasper Aanes, Kamilla Woznica Miskowiak, Celeste Porsbjerg
Session 137  12:30 - 14:00
Poster session: You are what you breathe: the impact of environmental factors on airways disease progression

**Disease(s):** Airway diseases

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

**Tag(s):** Translational

**Chairs:** Susanne Krauss-Etschmann (Borstel, Germany), Augusta Beech (Manchester, United Kingdom)

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<td>Integrative bacteriome-resistome of U-BIOPRED metagenomes reveals severe asthma cluster of multidrug resistant <em>H. influenzae</em></td>
<td>Fransiskus Xaverius Ivan (Singapore, Singapore), Ali Versi, Mahmoud I Abdel-Aziz, Nazanin Zounemat Kermani, Sven-Erik Dahlen, Ratko Djukanovic, Anke-Hilse Maitland-Van Der Zee, Sanjay H Chotirmall, Peter H Howarth, Ian M Adcock, Kian Fan Chung</td>
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<td>PA1266</td>
<td>Probiotics combined with prebiotics alleviated seasonal allergic rhinitis by altering the intestinal microbiota</td>
<td>Yun Liu (Xi'an, China), Yangfan Hou</td>
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<td>PA1267</td>
<td>Airway fungal and bacterial microbiota in allergic bronchopulmonary aspergillosis</td>
<td>Xi Chen (Beijing, China), Moqin Zhang, Yanliang Ma, Zhancheng Gao</td>
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<td>PA1268</td>
<td>Phenotyping patients with Severe asthma: An enterotoxin-based approach</td>
<td>Pinelopi Schoni (Chologars, Greece), Vasiliki Apollonatou, Myro Blizou, Maria Sfika, Nektarios Koufopoulos, Emmanouil Liatsis, Periklis Foukas, Petros Bakakos, Stylianos Loukides</td>
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<td>PA1269</td>
<td>Microbial metabolism 4-hydroxybenzoic acid protects against airway mucus secretion in ovalbumin-allergic mice</td>
<td>Yun Liu (Xi'an, China), Yangfan Hou</td>
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<td>PA1270</td>
<td>Nasal colonization with <em>Staphylococcus aureus</em> associates with nasal polyps, toxin-sensitization and inflammation depending on aeroallergen-sensitization</td>
<td>Ilka Müller (Magdeburg, Germany), Sabine Stegemann-Koniszewski, Azin Münchhoff, Anke Lux, Eva Lücke, Jens Schreiber</td>
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<td>PA1271</td>
<td>Association between peripheral blood eosinophils count and mortality in respiratory infections</td>
<td>Einat Fireman Klein (HAIFA, Israel), Walid Saliba, Marc Humbert, Yochai Adir</td>
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<td>PA1272</td>
<td>Susceptibility to SARS-CoV-2 infection in a T2-biased experimental asthma model</td>
<td>Ariana Younes (Marburg, Germany), Sara Völkel, Thilo Berger, Alexandra Kupke, Reinhard Geßner, Harald Renz, Chrysanthi Skevaki</td>
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<td>PA1273</td>
<td>Late Breaking Abstract - Preceding allergic airway inflammation impacts epithelial differentiation processes in mouse lung-derived bronchial organoids</td>
<td>Holger Garn (Marburg, Germany), Annika Block, Kim Pauck, Laura Kühl, Ariana Carvalho, Melanie Bachl</td>
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<td>PA1274</td>
<td>Late Breaking Abstract - Long-term household air pollution profiles and novel cough subclasses in a middle-aged Australian cohort.</td>
<td>Jingwen Zhang (China), Caroline Lodge, Haydn Walters, Anne Chang, Michael Abramson, Chamara Senaratna, Xin Dai, Jennifer Perret, Shyamali Dharmage</td>
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<td>PA1275</td>
<td>Early antibiotic exposure and asthma prevalence up to early adulthood - a population-based cohort study</td>
<td>Ida Mogensen (Skarpnäck, Stockholm, Sweden), Melissa Ismaili, Sandra Ekström, Maria Ödling, Erik Melén, Anna Bergström, Inger Kull</td>
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<td>PA1276</td>
<td>The impact of an asthmatic Maternal Environment in Pregnancy (MEP) on mediators predisposing to development of early-life asthma.</td>
<td>Rana Abadalakereem (Southampton (Hampshire), United Kingdom), Fiona Walbridge, Monica Corcoles Fernadez, Laurie Lau, Nicole Vaughan-Spickers, Rhea Hampton, Kate Raney, Corinne Brown, Jane Forbes, Alexandra Kermack, Matthew A Coleman, Hans Michael Haitchi</td>
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<td>PA1277</td>
<td>Aerosolization of cat dander using robotic vacuum cleaners</td>
<td>Laura Haya (Ottawa, Canada), Suzanne Kelly, William Yang</td>
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<td>PA1278</td>
<td>Respiratory and nasal symptoms during live-cat versus milled cat hair exposure</td>
<td>Suzanne Kelly (Ottawa (ON), Canada), Laura Haya, William Yang</td>
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Association of annual polycyclic aromatic hydrocarbons (PAHs) exposure with cellular immune responses and yearly decline of lung function in asthma
Chun-Hua Wang (Taipei, Taiwan), Jung-Ru He, Sheng-Lun Wang, Lung-Hao Lee, Chon-Lin Lee, Kian Fan Chung

Thymic stromal lymphopoietin contributes to airway responses to ozone via dendritic cells
Hiroki Tashiro (Saga, Japan), Yuki Kurihara, Yuki Kuwahara, Shinya Kimura, Koichiro Takahashi

Exacerbation-Related Greenhouse Gas (GHG) Emissions of Severe Asthma Along The Care Pathway
Trung Tran (Gaithersburg, United States), Mina Khezrian, Alex Wilkinson, Eleni Rapsomaniki, Soram Patel, Kirsty Rhodes, Andrew Menzies-Gow, Hitasha Rupani, Jennifer Quint, Liam Heaney

Short-time risk of exacerbation of allergic rhinitis due to exposure air pollutants in 3 largest urban agglomerations in Poland
Artur Badyda (Warszawa, Poland), Piotr Dąbrowiecki, Agata Dąbrowiecka, Anna Piórkowska, Andrzej Chcialowski

Exercise induced asthma in waterpolo elite players
Biljana Lazovic (Beograd, Republic of Serbia)

Cigarette Smoke modulates microRNA expression in primary human alveolar macrophages.
Davida Mirra (Caserta, Italy), Giuseppe Spaziano, Renata Esposito, Francesca Panico, Fiorentina Roviezzo, Erika Cione, Luca Gallelli, Bruno D'Agostino

Session 138  12:30 - 14:00
Poster session: Burden, determinants and management of COPD and COPD-related hospitalisation/mortality

Disease(s) : Airway diseases, Interstitial lung diseases, Thoracic oncology
Method(s) : Epidemiology, Public health, General respiratory patient care, Pulmonary function testing
Tag(s) : Clinical
Chairs : Judith Garcia-Aymerich (Barcelona, Spain), PP Hekking (Rotterdam, Netherlands)

Clinical characteristics preceding development of COPD
Ann Lindberg (Boden, Sweden), Tomi Myrberg, Caroline Stridsman, Linnea Hedman, Eva Rönmark, Helena Backman

One-year mortality in patients with COPD across diagnostic settings – a registry study
Sebastian Buchardt (Højbjerg, Denmark), Ulla Weinreich, Peter Jacobsen

Exacerbation and mortality in COPD patients on triple inhaler and at high exacerbation risk
Clementine Nordon (Cambridge, United Kingdom), Donna Carstens, Malin Fagerås, Hana Mullerova, Amy Anderson, Phani Veeranki, Joao Andre Alves, Timothy Barnes, Meredith Mccormack

Characteristics of exacerbating COPD patients with productive cough and on inhaled triple therapy, by smoking status: a real-world multi-country study
Wim Janssens (Leuven, Belgium), Clementine Nordon, Emily Coak, Tia Pennant, George Bell, Hana Mullerova, Lynda Draffan, Joao Andre Alves, Malin Fagerås, Anthony De Soyza

Perception of COPD control by physicians managing symptomatic exacerbating patients receiving inhaled triple therapy: a real-world multi-country 2022 survey
Tony De Soyza (Newcastle-upon-Tyne, United Kingdom), Clementine Nordon, Malin Fagerås, George Bell, Hana Mullerova, Tia Pennant, Lynda Draffan, Joao Andre Alves, Emily Coak, Wim Janssens

COPD in never-smokers: risk factors, symptoms, and biomarkers. A follow-up of subjects from the population-based Swedish Cardiopulmonary Bioimage Study (SCAPIS)

Recruiting never-smokers with COPD from the population-based Swedish Cardiopulmonary bioimage study (SCAPIS)

PRISm is an independent risk factor for development of COPD
Tomi Myrberg (Södra Sunderbyn, Luleå, Sweden), Helena Backman, Caroline Stridsman, Linnea Hedman, Eva Rönmark, Anne Lindberg
Changes in hospital admissions of COPD patients in Poland in 2006-2019 - epidemiological analysis of data from the nationwide public registry
Mateusz Jankowski (Warsaw, Poland), Bogdan Bochenek, Joanna Wieczorek, Marta Gruszczyńska, Adam Jaczewski, Jarosław Pinkas, Mariusz Figurski

Twenty-year trends in excess costs of chronic obstructive pulmonary disease.
Joseph Amegadzie (Vancouver, Canada), Amir Khakban, Jeenat Mehareen, Mohsen Sadatsafavi

Frequent exacerbations, Asthma-COPD overlap (ACO) and emphysema phenotype characteristics in COPD real-world outpatients
Stephan Brecht (Vienna, Austria), Florian Vafai-Tabrizi, Ulrich Schwab, Georg-Christian Funk

Healthcare costs of patients with COPD on maintenance inhaled therapies between 2011 and 2019 in Hungary
Brigitta Dombai (Budapest, Hungary), Viktória Nagy, István Ruzsics, Balázs Sánta, Zsófia Lázár

Longitudinal influence of BMI and grey spaces on COPD in a general population sample
Ilaria Stanisci (Pisa, Italy), Sandra Baldacci, Anna Angino, Sara Maio, Giuseppe Sarno, Patrizia Silvi, Sofia Tagliaferro, Giovanni Viegi

Feasibility of body plethysmography in a population based cohort study - The Hamburg City Health Study (HCHS)
Benjamin Waschki (Bad Segeberg, Germany), Dominik Löflers, Alena Haack, Christoph Blankenberg, Elina Petersen, Klaus Rabe, Christiana Magnussen

Improving respiratory mortality in Europe; are some countries being left behind?
Leanne Cheng (London, United Kingdom), Justin D Salciccioli, Yueqi Ge, Fan Chung, Dominic C Marshall

Influence of epidemiological methods on the estimates of respiratory disease prevalence in Italy
Giuseppe Verlato (Verona, Italy), Alessandro Marcon, Sara Maio, Federica Mellone, Pierpaolo Marchetti, Giovanni Viegi

Demographic profile, smoking, and respiratory diagnostics of social minorities – INSPIRE Program

Trends in initial pharmacological treatment of COPD in Dutch primary care: a real-world analysis
Guilherme Rodrigues (Aveiro, Portugal), Joana Antão, Qichen Deng, Karin M. A. Swart, Brenda N. Baak, Alda Marques, Frits M. E. Franssen, Martijn A. Spruit

Gender determinants of exacerbations in COPD patients: the French Palomb Cohort.
Nolwenn Jestin-Guyon (Bordeaux, France), El Hassane Ouaalaya, Laurent Falque, Laurent Nguyen, Anouchka Ozier, Alain Bernady, Emilie Bertaud, Julien Casteigt, Frédéric Le Guillou, Jean Moinard, Mohammed Staali, Cécilia Nocent, Mathieu Molimard, Chantal Raherison-Semjen

The economic and health burden of COPD in Western Europe through 2050: a scenario analysis based on two large data sources
Elroy Boers (Calgary, Canada), Angier Allen, Adam Benjafeld, Atul Malhotra, Meredith Barrett

Farmers lung in a cohort with chronic Hypersensitivity Pneumonitis in Southern Italy
Francesca Paolo Iannone (Naples, Italy), Antonella Pezone, Giuseppe Simonetti, Domenico Cristiano, Alessandro Saglia, Anna Agnese Stanzli

Epidemiology of occupational hypersensitivity pneumonitis in the UK: an update from the SWORD scheme
Ruth Wiggins (Manchester (Greater Manchester), United Kingdom), Rheeana Pereira, Laura Bryne, Melanie Caddrick, Zipporah Ilueozor-Ejiofor, Matthew Gittins, Martie Van Tongeren, Christopher Barber
PA1307  Real-world use of Exposure Screening Questionnaires in Occupational & Interstitial Lung Disease clinics in Birmingham, UK
Kimberley Nettleton (Birmingham (West Midlands), United Kingdom), Christopher C. Huntley, Gareth I. Walters, P. Sherwood Burge

PA1308  Air pollution, HIV and mortality
Nicole Robertson (Baltimore, United States), Jacqui Astemborski, Kirsten Koehler, Gregory Kirk, Megan Wilks, Meredith Mccormack, Sarath Raju

PA1309  The association between smoking and recurrent SARS-CoV-2 PCR positivity in healthcare workers: preliminary results
Selin Çakmakçı Karakaya (Ankara, Turkey), Ahmet Üğur Demir, Alpaslan Alp

PA1310  Association between short-term exposure to fine particle air pollution and COVID-19
Össur Ingi Emilsson (Uppsala, Sweden), Andreas Tornevi, Bertil Forsberg, Christer Janson, Andrei Malinovschi, Josef Järhult, Mathias Holm, Sven-Erik Dahlen, Lars Modig

PA1311  Associations of PM2.5 exposure with long COVID severity: insights from the P4OZ COVID-19 study
Laura Houweling (Utrecht, Netherlands), Lizan Bloemsma, Judith Holtjer, Eveline De Waard, Emma Gijsbers, Roel Vermeulen, Anke-Hilse Matland-Van Der Zee, George Downward

PA1312  Effect of air pollution and pollen on asthma and pneumonia: using big data of south Korean health-care records
Gwang-Cheon Jang (Goyang, Republic of Korea), Seung-Yun Jeon, Young-Jin Choi, Jae-Won Oh

PA1313  Aerosol emissions during speech and whispering among 41 professional and semi-professional singers
Enni Sanmark (Helsinki, Finland), Anna Tuhkuri-Matvejeff, Ahmed Geneid, Sampo Saari, Ville Vartiainen

PA1314  Air pollution, lung function, and respiratory symptoms in the MACS and WHIS
May-Lin Wilgus (WOODLAND HLS, United States), Andrew Edmonds, Kayleigh Keller, Jessica Elf, Alison Abraham, Surya P. Bhatt, Maradge Cohen, Roger Detels, M. Bradley Drummond, Margaret A. Fischl, Robert Forony, Dean Hosgood, Ken Kusinaki, Deepa Lazaurus, Meredith Mccormack, Alison Morris, Sarath Raju, Catalina Ramirez, Jaqeline Rudolph, Valentina Stosor, Donald Tashkin, Sheri Weiser, Gina Wingood, Igor Barjaktarevic

PA1315  Late Breaking Abstract - Association between Volatile Organic Compounds (VOCs) concentrations in daycares and child wheeze in the French CRESPI cohort
Ioannis Sakellaris (Villejuif Cedex, Paris, France), Corinne Mandin, Franziska Bright, Flore Amat, Pierre Bonnet, Valérie Siroyx, Nicole Le Moual, Orianne Dumas

PA1316  Prenatal and lifetime exposure to pets and development of allergic rhinitis in the first 12 years of life
Maritta S. Jaakkola (Oulu, Finland), Inés Paciência, Aino K. Rantala, Jouni J.K. Jaakkola

PA1317  Knowledge, attitude and practices about air pollution amongst 1682 adults living in urban slums and rural area in Pune city in India.
Monica Barne (Pune (Maharashtra), India), Sappa Madas, Vandana DAs, Monika Dhwale, Ashfaque Shaikh, Prasad Shinde, Asmita Gaikwad, Abhishek Sabale, Sundeep Salvi

PA1318  Clearing the Air: Indoor and outdoor PM2.5 exposure in Moderate-Late Preterm Infants
Kishan Tsang (Rotterdam, Netherlands), Jayanti Pos, Angelique Hoffman-Haringsma, Marielle Pijnenburg, Gerdien Tramper-Stranders, Ismé De Kleer

PA1319  MicroAlgae Technology (MAT): Transformative advancements for optimal indoor air quality in workspaces
Maria Fernanda Parra (Switzerland, Switzerland), Bettina Reiterer, Marco Poletto, Claudia Pasquero

PA1320  COVID-19 DISEASE AND VACCINE COVERAGE IN HEALTH PROFESSIONALS: A PROSPECTIVE MONOCENTRIC STUDY
EMMANOUIL VERYKAKIS (Athens, Greece), Georgia Kontonasiou, Christos Papazoglou, Argiri Petsa, Anna Karakatsani

PA1321  What is the state of housing for paediatric respiratory patients attending clinic?
Charlie Moorcroft (London, United Kingdom), Abigail Whitehouse, Jonathan Grigg

PA1322  Collaborative sharing of health and social housing data in a population health management (PHM) platform to prioritise repair work for damp and mould (DM).
Kay Roy (London, United Kingdom), Harriet North, Gayathri Balasubramaniam, Jessica Sheringham

PA1323  COVID-19 patient age and disease severity are variables associated to a higher frequency of airborne SARS-CoV-2 detection
Gabriel Escarrer-Garau (Palma de Mallorca, Spain), Laura Arbona-González, Joan Truyols-Vives, Antoni Colom-Fernández, Nuria Toledo-Pons, Pablo Arturo Fraile-Ribot, Miguel David Ferrer-Reynés, Herme Garcia-Baldovi, Ernest Sala-Llimas, Josep Mercader-Barceló
Factors associated with hybrid immunity in healthcare workers infected with COVID 19
Rahma Ben Jazia (Sousse, Tunisia), Asma Gaddour, Sana Hatmani, Amani Kacem, Imen Kharrat, Anis Maatallah, Dhouha Ben Braiek, Yosri Ben Ali, Hend Zorgati, Oussama Saadaoui, Jihene Ayachi

Older age, allergy and uncontrolled disease associate with elevated FeNO in childhood asthma
Maria Odling (Stockholm, Sweden), Frida Strömberg Celind, Kjell Alving, Jon Roald Konradsen, Caroline Stridsman

Predictors of asthma control in severe paediatric asthma

Developing a quality of life outcome measure for paediatric severe asthma: a field-testing survey
Anna Rattu (Southampton, United Kingdom), Stephanie Easton, Courtney Coleman, Clare Williams, Valeria Ramiconi, Graham Roberts

Prevalence of psycho-social factors in Children with Problematic Severe asthma (PSA) referred to a tertiary centre for consideration of a biologic
Pippa Hall (London, United Kingdom), Samantha Sonnappa, Andrew Bush, Sejal Saglani, Rachael Moore-Crouch, Claire Jackman, Louise Fleming

Small Airway Involvement in Pediatric Severe Asthma: Association with Clinical and Functional Characteristics
Carlos Tomas Velasco Suarez (Ciudad Autónoma Buenos Aires, Argentina), Marcela Roque, Doris Primrose, Magdalena Vocos, Gimena Denth Leger, Tania Florez Gonzalez, Gabriela Pelaez, Verónica Giubergia, Juan Manuel Figueroa Turienzo

Extra pulmonary treatable traits in a paediatric problematic severe asthma (PSA) population
Rachael Moore Crouch (London, United Kingdom), Pippa Hall, Louise Fleming

CT scans in children with severe asthma with and without persistent airflow limitation
Rohit Lawrence (London, United Kingdom), Thomas Semple, Sejal Seglani, Andrew Brush, Louise Fleming

Do biologies improve health outcomes in children with severe asthma? – A longitudinal cohort study
Shirley Quach (Concord, Canada), Mika L. Nonoyama, Theo Moraes, Yaron Finkelstein, Susan Balkovec, Padmaja Subbarao, Teresa To

Blood cells ratios and assessment of asthmatic children who stopped omalizumab.
Simone Foti Randazzese (Messina, Italy), Lucia Caminiti, Francesca Galletta, Antonella Gambadauro, Giuseppe Crisafulli, Sara Manti

Proinflammatory action of Exhaled Breath Condensate in children with severe asthma: Predictive value for exacerbations.
Veronica Giubergia (Olivos (Prov. De Buenos Aires), Argentina), Gabriela Pelaez, Fernanda Elias, Andrea Dugour, Carlos Tomas Velasco Suarez, Marcela Roque, Magdalena Vocos, Doris Primrose, Tania Florez Gonzalez, Maria Cristina Gimena Donth Leger, Juan Manuel Figueroa Turienzo

A prospective trial comparing two handheld devices to measure fractional exhaled nitric oxide to the “gold-standard-technique”.
Leo Thanikkel (Aesch-Zh, Switzerland), Andreas Vogt, Srdjan Micic, Nadja Delliehausen, Alexander Möller

Association of blood inflammatory endotypes and asthma burden in moderate-to-severe pediatric asthma
Amir Hossein Alizadeh Bahmani (Amsterdam, Netherlands), Susanne J.H. Vijverberg, Simone Hashimoto, Christine Wolff, Catarina Almqvist, Lizan D. Bloemsma, Susanne Brandstetter, Paula Corcuera-Elosegui, Mario Gorenjak, Susanne Harner, Anna M. Hedman, Michael Kabesch, Leyre López-Fernández, Aletta D. Kraneveld, Anne H. Neerinck, Maria Pino-Yanes, Ulrika Potočnik, Olia Sardón-Prado, Barbara S Dierdorp, Tamara Dekker, Nirmam K. A. Metwally, Jan Willem Duitman, René Lutter, Paul Brinkman, Mahmoud I. Abdel-Aziz, Anke H. Maitland-Van Der Zee
The prevalence of breathing pattern disorders in a tertiary paediatric severe asthma clinic.
Clare-Louise Chadwick (London, United Kingdom), Adam Lawton, Atul Gupta, James Cook

Fatigue in Dutch children with severe asthma: an under recognized symptom

Association of corticosteroid inhaler type with saliva microbiome in moderate-to-severe pediatric asthma

Asthma as a common pulmonary manifestation in children with ANCA associated vasculitis
Ali Reza Eshghi (Tehran, Islamic Republic of Iran)

Written asthma action plans versus real-life use of short-acting beta-agonists by children with asthma and their families: a multicentre, prospective, observational study
David Drummond (Paris, France), Apolline Gonsard, Alexandre Masson, Pierrick Cros, Clémence Mordacq, Camille Cisterne, Charlotte Roy, Johan Personnic, Clément Pouailt, Rola Abou Taam, Alice Hachouch, Christophe Delacourt, Lisa Giovannini-Chami

Late Breaking Abstract - Prediction of asthma in early-life: an individual participant data meta-analysis of 135,000 European and Australian children.
Tarik Karramass (Rotterdam, Netherlands), Demetris Avraam, David Van Klaveren, Ferran Ballester, Henrique Barros, Eva Corpeleijn, Blandine De Lauzon-Guillain, Ana Esplugues, Mónica Guxens, Rae-Chi Huang, Marianna Karachaliou, Leire Luque, Anne-Marie Nybo Anderson, Angela Pinot De Moira, Maja Popovic, Theoan Roumelotaki, Loreto Santa Marina, Susana Santos, Muriel Tafflet, Judith M. Vonk, Martine Vrijheid, Marieke Welten, Vincent Jaddoe, Liesbeth Duijts

Late Breaking Abstract - Features of asthma course in children during wartime in Ukraine
Viktoriya Dzisiak (Kyiv, Ukraine), Tetiana Umanets, Ura Bondarenko, Tetiana Harashenko, Antonina Buratinska, Viktoria Khomenko

Poster session: Evaluation of sleep with or without non-invasive ventilation and lung function in children

Disease(s) : Sleep and breathing disorders, Airway diseases
Method(s) : Physiology, General respiratory patient care, Pulmonary function testing, Imaging, Epidemiology, Public health
Tag(s) : Clinical

Methacholine pre-test asthma probability score in paediatric population
Tahani Ibrahim (FONTENAY SOUS BOIS, France), Marie Claude Larocca, Houda Saleh-Guillo, Marc Koskas, Noria Medjahdi, Lucia Maingot-Sandu, Nicole Beydon

Exercise-induced bronchodilation (EIBd) in children undergoing Exercise-Induced Bronchoconstriction test (EIB) affects its interpretation
Manuela Gotta (Torino (TO), Italy), Anna Folino, Laura Barroc, Cinzia Ferrero, Giulia Di Natale, Lorenzo Appendini, Irene Esposito

Effect of expressing sRaw reversibility relative to baseline or predicted values in children
Nicole Beydon (Paris, France), Houda Saleh-Guillo, Marc Koskas, Lucia Maingot, Noria Medjahdi, Marie-Claude La Rocca, Jessica Taytard

Bronchodilator response in a Pediatric population: Clinical and functional profile of the discordant group between GINA and ATS-ERS guidelines
Balsam Barkous (ARIANA, Tunisia), Fatma Guezguez, Sonia Rouatbi, Helmi Ben Saad

Suitability and acceptability of a new method of exhaled breath sampling using a highly porous carbon material in children
Agnieszka Jarosinska (Katowice, Poland), Anna Klesc, Zymon Skoczyński, Jarosław Paluch, Andrzej Swinarew

Forced oscillation technique for monitoring of respiratory function in children with neuromuscular disease
Magdalena Smolkova (Cambridge, United Kingdom), Matthew Rose, Theofilos Polychronakis
Feasibility and Inter-Test Reproducibility of Lung Clearance Index and Slow Vital Capacity in Children with Neuromuscular Disorders

Jenny Lam (Perth, Australia), Grace Pettigrew, Adelaide Withers, Jacquelyn Zirbes, Mymy Buu, Carlos Milla, Andrew Wilson

Frequency and Characteristics of Sleep Apnea Syndrome in Pediatric Patients with Duchenne Muscular Dystrophy

Burcu Çapraz Yavuz (Ankara, Turkey), Sibel Öz Yıldız, Halime Nayir Büyükşahin, Erhan Ozel, Nagehan Emiraloglu Ordukaya, Hayrettin Hakan Aykan, Ebru Yaçın, Deniz Doğru, Emine Nural Kiper, Ülkühan Öztöprak, Dilek Yalnızoglu, Gökşür Haliloglu, Uğur Özçelik

Adapted binning method for assessing pulmonary ventilation and perfusion distribution in children using lung matrix pencil decomposition (MP)-MRI

Marion Curdy (Bern, Switzerland), Carmen Streibel, Oliver Bieri, Florian Wyler, Elisabeth Kieninger, Grzegorz Bauman, Philipp Latzin

Novel single-lead electrocardiogram-derived respiratory rate estimation in children with obstructive sleep apnea

Kanchan Kulkarni (Pessac, France), Ava Adli, John H. Nichols, Jesse D. Roberts Jr., Amaël Mombereau, Vladimir Sobota, Laura R. Bear, Olivier Bernis, Richard D. Walton

The awake resting breathing and thoraco-abdominal pattern in children with achondroplasia

Antonella LoMauro (Milano (MI), Italy), Gabriella Tringali, Alessandro Sartorio, Andrea Aliverti

Oxygenation and ventilation parameters in children with Prader-Willi syndrome without or with growth hormone treatment.

Doxa Kotzia (Athens, Greece), Anastasia Polytarchou, Angeliki Moudaki, Georgia Koltsida, Christina Kanaka-Gantenbein, Athanasios G. Kaditis

Role of Mometasone Furoate as medical therapy in children with obstructive sleep apnea and adenoid hypertrophy

Melania Evangelisti (Roma (RM), Italy), Giacomo Ciaccia, Giampietro Ricci, Maria Cristina Cristi, Pasquale Rapisardi Parisi

Management of obstructive sleep-disordered breathing type 1 in children and adolescent – a french consensus

Guillaume Aubertin (Paris, France), Mohamed Akkari, Anick Andrieux, Claire Colas Des Frans, Brigitte Fauroux, Patricia Franco, Frédéric Gagnadoux, Sarah Hartley, Dany Jaffuel, Lafond Lionel, Carmen Schröder, Cyril Schweitzer, Christelle Charley-Monaca

A new automated method to define clinically relevant pediatric sleep apnea phenotype

Karla Margarita Cordero Camacho (Valladolid (Valladolid), Spain), Javier Gomez-Pilar, Pedro Pereira-Rodrigues, Daniela Ferreira-Santos, Claudia Beigveder Durante, Tomás Ruiz Albi, Daniel González Álvarez, David Gozal, Gonzalo C. Gutiérrez-Tobal, Roberto Hornero, Félix Del Campo

Ventilator data: An adjunct to cardiorespiratory sleep study (CRSS) in monitoring children on long term non-invasive ventilation (LT-NIV)

Chu-Hai Wong (Birmingham, United Kingdom), Ciaran Mcardle, Benjamin Davies, Satish Rao, Prasad Nagakumar, Priti Kenia

Can Nocturnal Oximetry Parameters Differentiate Infants Without and With Upper Airway Obstruction?

Athanasios G. Kaditis (Athens, Greece), Anastasios-Panagiotis Chantzaras, Maria Eleni Liagkaki, Angeliki Moudaki, Anastasia Polytarchou, Georgia Koltsida, Christina Kanaka-Gantenbein

Video-respiratory polygraphy for the diagnosis of obstructive sleep apnea in children

Iulia Cristina Ioan (Vandœuvre-Les-Nancy, France), Yacine Touil, Laurianne Coutier, Sofia Da Mota, Patricia Franco, Cyril Schweitzer

Autonomic dysfunction among overweight children with sleep-disordered breathing

Elpis Hatzigiorou (Thessaloniki, Greece), Athina Sopiadou, Theodoros Samaras, Apostolos Nikopoulos, Evangelia Koidi, Elisavet-Anna Chrysochoou, Kiriaki Tsiroukidou, Athanasios G. Kaditis

Prevalence and associations of sleep disorder breathing in children with neuromuscular disorders.

Adelaide Lindsay Withers (Maylands (WA), Australia), Jenny Lam, Grace Pettigrew, Jenny Downs, Sean Deegan, Leanne Gauld, Jacquelyn Spano, Carlos Milla, Mymy Buu, Kirstly Filmer, Andrew Wilson

PS-2 

Session 142

Poster session: Physiotherapy and physiology in chronic respiratory disease

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

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

Physiology

Tag(s): Clinical

Chairs: Molly M Baldwin (Leicester, United Kingdom), Patricia Filipa Sobral Rebelo (Trancoso, Portugal)
PA1365  Benefits of ambulatory oxygen during physical activity in patients with COPD who desaturate only during exercise
Ingegerd Margareta Emtner (Uppsala, Sweden), Christer Janson, Kjell Larsson, Richard Casaburi, Milla Katajisto, Maria Nykvist, Andreas Palm, Annelic Behndig, Karin Wadell

PA1366  COPD and physical activity – a 2-year follow-up of the TIE study
Marieann Högman (Uppsala, Sweden), Henrik Johansson, Andrei Malinovschi, On Behalf Of Tie-Study Group

PA1367  Synchronization and Performance of Portable Oxygen Concentrators in Pulsed Oxygen Therapy
Marius Lebret (ROUEN, France), Roberto Martinez Alejos, Karima Joly, Maxime Patout, Emeline Fresnel

PA1368  Laboratory investigation into the effect of flow rate on the performance of four oscillating positive expiratory pressure (OPEP) devices: Does mechanism of action matter and considerations for clinical relevance
Jason Suggett (London (ON), Canada), Rob Costa, David Sydor

PA1369  Initial results on the efficacy of thoracic vibratory therapy by electrostimulation. Phase 2. The ELECTROVEST study
Maria Del Pilar Cejudo Ramos (Sevilla, Spain), Rafael Rivilla Rivilla, Erian Roque Betancourt, Rosa Vázquez Sánchez, Inmaculada Ortiz Molina, Borja Bonal Acuña, A Yosvani Méndez Alonso, Mar Elena, Sergio Tejero García, Fernando Díaz Gutierrez, Esther Quintana Gallego, Miguel Angel Giráldez Sánchez

PA1370  Regional lung ventilation distribution before and after airway clearance therapy in cartagenger syndrome: a case report
Shirley Campos (Recife (PE), Brazil), José R. R. Silva, Karine D. Silva, Fernanda C. Alves, Elaine Araújo, Larissa M. B. Silva, Andrezza L. Bezerra, Caio C. A. Morais, Emanuel F. F. Silva Júnior, Lívia G. M. S. Mesquita, Rômulo A. C. Lins

PA1371  Comparison of device-assisted physiotherapy and traditional physiotherapy on lung function in patients with primary ciliary dyskinesia
Dilber Ademhan Tural (Ankara, Turkey), Nagehan Emiralioglu, Beste Özezen, Birce Sunman, Halime Büyükşahin, Ismail Guzelkas, Kubra Kilic, Naciye Vardar Yaghi, Ebru Yalcin, Deniz Dogru, Nural Kiper, Ugur Ozcelik

PA1372  Clinical experience in the management of patients with bronchiectasis and other pulmonary pathologies with bronchial hypersecretion. What role for nebulized aerosol therapy?
Joanna Miłkowska-Dymanowska (Łódź, Poland), Aleksander Kania, Szczegielniak Jan, Milena Myszkiewicz, Paulina Katarzyńska, Katarzyna Bogacz, Lauren Morin, Wojciech J. Piotrowski

PA1373  National Survey on Pediatric Respiratory Physiotherapy Units: Primary Ciliary Dyskinesia and Non-CF Bronchiectasis
Beatrice Tani (Roma, Italy), Nicola Ullmann, Paola Leone, Alessandra Boni, Eugenio Barbieri, Matteo D'Angelo, Sara De Dominicis, Beniamino Giacomodonato, Stefania Monduzzi, Irene Piernarini, Chiara Zizzi, Beatrice Ferrari, Renato Cuttura

PA1374  Effectiveness of physiotherapy modalities on persisting dyspnoea following SARS-CoV-2 infection: a systematic review and meta-analysis
Christophe Romanet (Paris, France), Johan Wormser, Marine Cachanado, Maria Granados Santiago, Gilles Chatellier, Marie Carmen Valenza, François Philippar

PA1375  A newly-developed negative pressure ventilation (NPV) applied to patients with chronic obstructive pulmonary disease (COPD)
Te Fang Sheng (Taoyuan, Taiwan), Hung-Yu Huang, Jih-Kah Chen, Kian Fan Chung, Chun-Hua Wang

PA1376  Analysis of vascular reactivity by near-infrared spectroscopy and the 6-minute walk test in patients after hospitalization for covid-19
Luara Inocêncio (Campinas - SP, Brazil), Bruna Scharlack Vian, Giovani Grisotti Martins, Mônica Corso Pereira, Rickson Coelho Mesquita, Ligia Dos Santos Ratti

PA1377  Effects of the Air Stacking technique on vital capacity and peak cough flow after 3 months of training in people with tetraplegia
Gonzalo Monge (Santiago, Chile), Matías Otto-Yañez, Erico Segovia, Tamara Muñoz, Roberto Vera-Uribe, Vanessa Resqueti, Rodrigo Torres-Castro

PA1378  Hypertension may increase neural respiratory drive at rest and at maximal voluntary ventilation
Ilídia Nadine Lima (Paranamirim, Brazil), Andressa Vallery Cavalcante, Jéssica Danielle Fonseca, Lucien Peroni Gualdi, Helen Rainara Cruz, João Pedro Silva, Saint-Clair Bernardes Neto

PA1379  Evaluation of care burden, coping with family stressors and problem solving skills of parents of patients with tracheostomy
Nilgun Kula (Ankara, Turkey), Tuğba Şişmanlar Eyüboğlu, Ayşe Tana Aslan, Şebnem Soysal, Volkan Medeni

PA1380  Non-Invasive Ventilation In Myotonic Dystrophy Type 1: Road To Compliance Predictive Models
Carola Rita Ferrari Aggradi (Milan, Italy), Andrea Lizio, Alice Zanolini, Giovanni Colacicco, Elisabetta Roma, Antonino Iannello, Elisa De Mattia, Valeria Ada Sansone
Breathing better, moving better: The benefits of inspiratory muscle training on balance and gait in severe COPD patients
Alexandru Florian Crisan (Timisoara (Timis), Romania), Camelia Pescaru, Adelina Maritescu, Vlad Carunta, Cristian Oancea, Emanuela Vastag

Oxygen uptake efficiency, chronotropic incompetence and abnormal heart rate recovery during exercise in individuals with metabolic syndrome
 Mehmet Fatih Sanver (Kütahya, Turkey), Hilal Uyar, Melda Saglam, Ebru Calik Kutukcu, Oguz Abdullah Uyaroglu, Murat Ozdede, Mine Durusu Tanrıver, Naciye Vardar Yaglı

Study on the therapeutic effect and mechanism of different intensities of exercise training on alleviating MCT induced pulmonary hypertension in rats
Ye Wang (Beijing, China), Hongmei Zhao, Chen Wang

The effect of airway clearance technology by Simeox device on quality of life of patients COPD and secondary bronchoectasis.
Oleksandr Varunkiv (Vovchynets, Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Mariana Kulynych-Miskiv, Iryna Savelikhina, Kostiantyn Shvets, Ulina Shevchuk, Alla Zuban

PS-20 Session 143 12:30 - 14:00
Poster session: Exploring paediatric respiratory health amidst pandemic challenges: insights from multicentre studies and clinical trials

Disease(s) : Airway diseases
Method(s) : Epidemiology, General respiratory patient care, Public health, Imaging, Pulmonary function testing, Cell and molecular biology, Pulmonary rehabilitation, Physiology
Tag(s) : Clinical
Chairs : Nadine Freitag (Krefeld, Germany), Steve Cunningham (Edinburgh (Scotland), United Kingdom)

Hanging on to Oxygen...the usual suspects
Sonal Kansra (Sheffield (South Yorkshire), United Kingdom), Emily Hayes, Kelechi Ugonna

Randomized, prospective, single-center, open study on preventing RSV-mediated respiratory sequelae in preterm newborns
Sara Manti (Messina (ME), Italy), Federica Xerra, Simone Foti Randazzese, Ester Maria Cavalli, Francesca Galletta, Alessandro Manganaro, Paolo Manzoni, Elena Gatto

Bronchiolitis and subsequent wheezing: role of neutrophils
Antonella Frassanito (Roma (RM), Italy), Raffaella Nenna, Laura Petrarca, Maria Giulia Conti, Greta Di Mattia, Luigi Matera, Enrica Mancino, Francesca Pulcinelli, Domenico Paolo La Regina, Alessandra Pierangeli, Enea Bonci, Fabio Midulla

Elevated neutrophilic activation in infants hospitalized for bronchiolitis correlates with clinical severity
Raffaella Nenna (Rome, Italy), Antonella Frassanito, Maria Giulia Conti, Greta Di Mattia, Enrica Mancino, Francesca Pulcinelli, Fabiola Del Parco, Laura Petrarca, Camilla Moliterni, Tuba Rana Caglar, Enea Bonci, Roberta Misasi, Fabio Midulla

Prevalence and susceptibility of respiratory pathogens in inpatient and outpatient children in the Kyrgyz Republic: First data from Central Asia

Increasing incidence of the complicated pneumonia caused by Streptococcus pyogenes in children – another post-Covid epidemiological challenge?
Irena Wojsyk-Banaszak (Poznani, Poland), Katarzyna Tapolksa-Jóźwiak, Anna Pasieka, Agata Wasiak, Paulina Stasik, Paulina Sobkowiak, Zdzisława Kycier, Agnieszka Łoś, Katarzyna Jończyk-Potoczná, Ewelina Gowin

Pneumonie caused by Group A Streptococcus (GAS)
Tine Alliet (Hasselt, Belgium), Stefanie Desmet, Mieke Boon, François Vermeulen, Marijke Proesmans

A retrospective study of children with necrotizing pneumonia: Four years of tertiary care experience
KALYANA PRABHAKARAN (rajasthan, India), Nikhil Rajvanshi, Prawin Kumar, Jagdish Prasad Goyal

Regenerative capacity of lung parenchyma after necrotising pneumonia in childhood - longterm observational data
Katharina Schütz (Hannover, Germany), Daniel Decker, Diane M Renz, Christoph Happel, Harald Bertram, Jens Dingemann, Oliver Keil, Nicolaus Schwerk, Martin Weitze
Biomarkers to support paediatric LRTI antibiotic decision making by clinicians
Jonathan Twynam-Perkins (Edinburgh, United Kingdom), David Dockrell, Steve Cunningham

Protein expression of airway biomarkers in paediatric lower respiratory tract infection (LRTI)
Jonathan Twynam-Perkins (Edinburgh, United Kingdom), David Dockrell, Steve Cunningham

Pulmonary sequelae in children after severe COVID-19 or multisystem inflammatory syndrome

Health significance of the COVID-19 pandemic for patients with primary ciliary dyskinesia
Marika Nathalie Schmidt (Copenhagen, Denmark), Rikke Sandvik, Sarah Altaraihi, Hatice Cömert, Mathias Holgersen, Frederik Buchvald, Marianne Skov, Kim G. Nielsen

Impact of the COVID-19 pandemic in children with Chronic Pulmonary Disease Followed at a Tertiary Center in Denmark
Marika Nathalie Schmidt (Copenhagen, Denmark), Rikke Sandvik, Hatice Cömert, Sarah Altaraihi, Mathias Holgersen, Majbritt Presfeldt, Frederik Buchvald, Kim G. Nielsen

Unravelling genetic and clinical phenotype correlations in primary ciliary dyskinesia: a cohort study
Malena Aldeco (Ljubljana, Slovenia), Marusa Debeljak, Jasna Rodman Berlot, Marina Praprotnik, Aleksandra Zver, Paola Pascolo, Gaja Setnikar Kimovec, Sasa Setina Smid, Dusanka Lepej, Uros Krivec

The relationship between quality of life, structural and functional status of the lung in children with primary ciliary dyskinesia
Yaşemin Mocan Çağlar (İstanbul, Turkey), Nesibe Hatun Sarıhan, Sinem Can Öksay, Zeynep Reyhan Onay, Deniz Mavi Tortop, Gülay Bilgin, Ozge Ulgen, Gülçin Bozbeyoğlu, Saniye Girit

The impact of guideline implementation in diagnosing primary ciliary dyskinesia using transmission electron microscopy
Malena Aldeco (Ljubljana, Slovenia), Karmen Wechtersbach, Jerica Plesko, Marina Praprotnik, Dušanka Lepej, Maruša Debeljak, Jasna Rodman Berlot, Gaja Setnikar Kimovec, Sasa Setina Smid, Aleksandra Zver, Paola Pascolo, Nina Zidar, Nika Koje, Urs Krivec

Late Breaking Abstract - Differences in remodelling and autophagy-related biomarkers at birth from offspring of asthmatic and healthy mothers are associated with subsequent infant lung function and bronchiolitis hospitalisation in infancy
Carla Rebeca da Silva Sena (Basel, Switzerland), Gabriela Martins Costa Gomes, Olga Gorlanova, Noëmi Künstle, Céline Rüttimann, Sven Schulzke, Ruth Steinberg, Ediane De Queiroz Andrade, Patricia De Gouveia Belinelo, Florian Wyler, Loretta Müller, Sophie Yammine, Paul D Robinson, Peter D Sly, Vanessa Murphy, Peter Gibson, Philipp Latzin, Joerg Mattes, Adam Collison, Urs Frey

Late Breaking Abstract - Machine learning algorithms to predict bronchiolitis hospitalisations in the first year of life
Joerg Mattes (Newcastle (NSW), Australia), Gabriela Martins Costa Gomes, Carla Rebecca Da Silva Sena, Carlos Riveros, Stuart Szcz, Paul D Robinson, Peter D Sly, Vanessa Murphy, Peter G Gibson, Adam Collison

Late Breaking Abstract - How frequent are pulmonary exacerbations in primary ciliary dyskinesia?
Leonie Daria Schreck (Bern, Switzerland), Myrofora Goutaki, Eva Sophie Lunde Pedersen, Fiona Copeland, Trini López Fernández, Jane S Lucas, Claudia E Kuehni

Surgical Management of Inflammatory Myofibroblastic Tumour of the Lung: A Comprehensive Case Series and Long-Term Outcomes Analysis
Luca Bertolaccini (Milan, Italy), Mariano Lombardi, Matteo Chiari, Carlo Pescia, Valeria Midolo De Luca, Elena Guerini Rocco, Davide Vacirea, Riccardo Adorisio, Lorenzo Spaggiari

Evaluation of the surgical treatment of lung cancer
Borislav Kondov (Skopje, North Macedonia), Risto Colanceski, Goran Kondov, Nexhat Jakupi, Magdalena Bogdanovska, Marija Srecka, Natasha Toleska, Imran Ferati, Anita Kokareva, Andrej Atanasovski

Poster session: Key points in thoracic surgical oncology
Disease(s): Thoracic oncology, Respiratory critical care, Interstitial lung diseases, Airway diseases
Method(s): Surgery, Public health, Palliative care, Physiology, Pulmonary rehabilitation, Transplantation, Epidemiology, Imaging, Respiratory intensive care
Tag(s): Clinical
Chairs: Kalliopi Athanassiadi (Athens, Greece), Marco Nardini (Leeds, United Kingdom)

Surgical Management of Inflammatory Myofibroblastic Tumour of the Lung: A Comprehensive Case Series and Long-Term Outcomes Analysis
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Evaluation of the surgical treatment of lung cancer
Borislav Kondov (Skopje, North Macedonia), Risto Colanceski, Goran Kondov, Nexhat Jakupi, Magdalena Bogdanovska, Marija Srecka, Natasha Toleska, Imran Ferati, Anita Kokareva, Andrej Atanasovski
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<th>Session</th>
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<td>PA1407</td>
<td>Surgical Management and Survival Analysis of Pulmonary Carcinoid Tumors: A Three-Decade Perspective.</td>
<td>Wassim Chaieb (Ariana, Tunisia), Zied Chaari, Aymen Ben Ayed, Aly Ben Salem, Abdessalem Henati, Imed Frikha</td>
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<td>PA1408</td>
<td>Exploring Covid-19’s role in postoperative complications incidence following Lung Resection Surgeries for Cancer</td>
<td>Mouad Gourti (Agadir, Morocco), Rim Zaimi, Bassil Dakhil, Elmehdzi Maidi, Patrick Bagan</td>
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<td>PA1409</td>
<td>How to perform Hybrid Uniportal Lung Biopsy in less than 15 minutes</td>
<td>Asser Younes (Suez, Egypt), Marco Nardini, Rayid Abdulqawi, Rana Saleh, Ayman Arbaeen, Wael Ahmed, Turki Alhawiti, Mamoud Hashim, Waleed Saleh, Khalid Alkattan, Marcello Migliore</td>
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<td>PA1410</td>
<td>Prevention of prolonged air leak in lung resection surgery: a novel application of a haemostatic agent.</td>
<td>Tara Byrne (Ballinasloe (County Longford), Ireland), Alan Soo</td>
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<td>PA1411</td>
<td>Digital or Traditionnal: A comparative analysis of drainage Medical Devices for post-Lung resection in Cancer</td>
<td>Mouad Gourti (Agadir, Morocco), Patrick Bagan</td>
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<td>PA1412</td>
<td>Management and Clinical Profile of Tracheal Adenoid Cystic Carcinoma: A surgical series.</td>
<td>Wassim Chaieb (Ariana, Tunisia), Amina Abdelkbir, Hazem Zribi, Imen Bouassida, Sarra Maazaoui, Mehdi Abdennadher, Adel Marghli</td>
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<td>PA1414</td>
<td>Postoperative respiratory morbidity in onco-thoracic surgery: risk factors</td>
<td>Chaima Sassi (Tunis, Tunisia), Jawhar Souilhi, Manel Abbess, Amira Dridi, Nizar Fitouhi, Adel Merghli, Sonia Ouerghi, Taher Mestiri</td>
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<td>PA1415</td>
<td>Uncomplicated VATS lobectomies in early stage lung cancer; the Greek oxymoron of keeping up with the guidelines and achieving financial loss</td>
<td>Georgia Hardavella (Athens, Greece), Ioannis Karampinis, Ioannis Kyritsis, Antonios Katsipoulakis, Nikolaos Anastasiou</td>
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<td>PA1416</td>
<td>Perioperative Tranexamic acid administration for reducing blood loss in major bronchopulmonary cancer surgery</td>
<td>Chaima Sassi (Tunis, Tunisia), Jawhar Souilhi, Sonia Ouerghi, Manel Abbess, Mahdi Abdennadher, Adel Merghli, Nizar Fitouhi, Amira Dridi, Taher Mestiri</td>
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<td>PA1417</td>
<td>Prevention of postoperative atrial arrhythmias in major bronchopulmonary cancer surgery: Cefprozil versus Diltiazem about 30 cases</td>
<td>Chaima Sassi (Tunis, Tunisia), Jawhar Souilhi, Rim Karaborni, Ines Ben Zid, Kaouther Ben Amara, Ouerghi Sonia, Fitouhi Nizar, Mahdi Abdennadher, Amira Dridi, Adel Merghli, Taher Mestiri</td>
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<td>PA1418</td>
<td>Recurrent bilateral hydro-pneumothorax in metastatic osteosarcoma: one-stage treatment by bilateral uniportal VATS.</td>
<td>Ayman Arbaeen (Riyadh, Saudi Arabia), Amal Abdulhaq, Rana Saleh, Wael Ahmed, Asser Younes, Rayid Abdulqawi, Waleed Saleh, Marcello Migliore</td>
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<td>PA1420</td>
<td>Bi-centric Experience with Cytoreductive surgery and hyperthermic intra-thoracic chemotherapy (HITHOC) for pleural malignancies</td>
<td>Amal Abdulhaq (Riyadh, Saudi Arabia), Mamoud Hashim, Norberto Santana, Ayman Arbaeen, Waleed Saleh, Khalid Al Kattan, Marcello Migliore</td>
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<td>PA1421</td>
<td>Anatomical lung resection learning curve: comparison between new modular robotic surgical system and VATS technique</td>
<td>Lorenzo Rosso (Milan, Italy), Margherita Brivio, Ilaria Righi, Cattaneo Margherita, Nosotti Mario</td>
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<tr>
<td>PA1422</td>
<td>Systemic Autoimmune Diseases &amp; Lung Cancer</td>
<td>Kalliopi Athanassiadou (Athens, Greece), Evangelia Chatzimichali, Magdalini Simou, Alexandros Tsompanellis, Dimitra Exarchopoulou, Aiakaterini Katsandri, Konstantinos Eleftheriou, Eleftheria Mizi, Niki Gianniou, Ioanna Sigala, Georgios Katsikas, Michail Polychroniadis</td>
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<td>PA1423</td>
<td>The importance of lobectomy versus segmentectomy in stage I NSCLC</td>
<td>Ioannis Kyritsis (, Greece), Andriani Charpidou, Alexios Verveniotis, Marousa Kouvela, Nikolaos Anastasiou, Periklis Tomos, Grigoris Stratakos, Konstantinos Syrijos</td>
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Intrathoracic solitary fibrous tumors: about 18 cases

Wassim Chaieb (Ariana, Tunisia), FATMA INCHED JEMAL, Amina Abdelkbir, Imen Bouassida, Mahdi Abdenadher, Sarra Zaiiri, Sarra Maazaoui, Hazem Zribi, Adel Marghli

Poster session: Airway clearance, respiratory physiotherapy and rehabilitation in acute and chronic respiratory problems

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

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

**Tag(s):** Clinical

**Chairs:** Arietta Spinou (London, United Kingdom), Cristina Jácome (Portugal)

PA1425 Laryngeal ultrasound to visualize laryngeal movements during mechanically assisted cough in healthy volunteers

Tiina Andersen (Bergen, Norway), Anne Kristine Brekka, George Ntoumenopoulos, Hege Havstad Clemm, Thomas Halvorsen, Ola Drange Røksund, Maria Vollsæter

PA1426 Investigation of relation between health literacy and adherence of airway clearance techniques in adults with cystic fibrosis

Aydan Asli Aksel Uylar (Ankara, Turkey), Melda Saglam, Ebru Damadoglu, Oguz Karcigol, Naciye Vardar-Yagli

PA1427 Core outcome set for studies investigating secretion clearance interventions used in the community by patients with neuromuscular disease (NMD).

Neeraj Shah (London, United Kingdom), Chloé Apps, Reshma Amin, Georgios Koltsakas, Nicholas Hart, Patrick Murphy, Louise Rose

PA1428 Correlation between different biophysical properties of sputum in bronchiectasis patients

Nona Ribalta (Solsola, Spain), Victoria Alcaraz-Serrano, Héctor Sanz-Fraile, Beatriz Herrero-Cortina, Laia Fernández-Barat, Ramón Farré, Jorge Otero, Antoni Torres-Martí

PA1429 Intrapulmonary percussion ventilation on functional respiratory imaging endpoints in COPD patients

Yinka De Meyer (Kontich, Belgium), Wendel Dierckx, Kris Ides, Eline Dierckx, Ana Cortes, Jan De Backer, Wilfried De Backer

PA1430 Can 129Xe ventilation MRI guide personalisation of airway clearance regimens in children with Primary Ciliary Dyskinesia?

Lyne Schofield (Leeds, United Kingdom), Alberto Biancardi, David Capener, David Hughes, Helen Marshall, Eduardo Moya, Evie Robson, Susi Shanks, Anna Shawcross, Sally Singh, Laurie Smith, Norreen West, Jim Wild, Daniel Hind

PA1431 Airway resistance changes after intrapulmonary percussion ventilation in COPD patients

Yinka De Meyer (Kontich, Belgium), Wendel Dierckx, Kris Ides, Eline Lauwers, Wilfried De Backer

PA1432 Airway clearance techniques have no effect on 24-hour food intake in children hospitalised for moderate bronchiolitis: a randomised controlled trial

Margaux MACHEFERT (Le Havre, France), Yann Combret, Méloody Couet, Tristan Bonnevie, Francis-Edouard Gravier, Timothée Gillot, Pascal Le Roux, Roger Hilfiker, Clément Medrinal, Guillaume Prieur

PA1433 Assessing the Impact of Coaching on Mechanical In-Exsufflation Learning in Children, a Randomized Trial.

Nicolas Audag (Bruxelles, Belgium), Pierre-Alexandre Chartier, Marius Lebret, Gregory Reychler

PA1434 Upper airway and translaryngeal resistance during mechanical insufflation-exsufflation

Tiina Andersen (Bergen, Norway), Anne Kristine Brekka, Zoe Fretheim-Kelly, Manel Lujan, John-Helge Heimdal, Hege Havstad Clemm, Thomas Halvorsen, Ove Fondenes, Roy Miodini Nilsen, Ola Drange Røksund, Maria Vollsæter

PA1435 Accuracy of real-time data provided by mechanical insufflation-exsufflation devices

Roberto Martinez Alejos (Montpellier, France), Marius Lebret, Alice Vuillermoz, Emeline Fresnel, François Beloncle

PA1436 International consensus on airway clearance techniques for acute exacerbations of chronic obstructive pulmonary disease (AECOPD): a modified Delphi study.

Arietta Spinou (London, United Kingdom), Christine Schroeder, William Poncin, Ana Oliveira, Gregory Reychler, Pierre Cnockaert, Nicolas Audag, Lucile Gely, Olivier Contal, Kris Ides, Christian OSDNik, Beatriz Herrero-Cortina, Inger Mechelenburg
Impact of respiratory physiotherapy on the number of exacerbations and hospital admissions in patients with CBI receiving nebulized antibiotics: results of a multicenter retrospective study (INBREATHING).

Aida Monge Esqué (Lleida, Spain), Sally Santisteve Lostes, Ivan Benítez, Carlos Manzano Senra, Marcela Suarez Bustamante, Anna Monceus Moix, Alicia Sayés Chueca, Eduardo José García Urrestarazu, Ana Belén Alcaide Ocaña, Javier Burgos Lozano, Ane Martínez De Las Fuentes, Joel-Suresh Lakhani Lakhani, Beatriz Raboso, Cristina Pou Álvarez, Marta Erro Iribarren, Rosa Abril Castañon, Juan Pablo De Torres Tajes, Guillermo Suarez Cuartin, David De La Rosa, Ferran Barbé Illa, Jessica González Gutiérrez

The evolution of inspiratory muscle fatigue compared to the quadriceps in patients with acquired muscle weakness in the intensive care unit

Margaux MACHEFERT (Le Havre, France), Guillaume Prieur, Solène Aubry, Yann Combret, Clement Medrinal

Predictive validity of CPAx-NOR in critically ill adult patients requiring intubation and mechanical ventilation over 48 hours

Vetle Osenbroch Kallevik (Vøyenenga, Norway), Tina Marie Hethey, Hilde Frøkedal, Harriet Shannon

Examination of the Psychometric Properties of the De-Morton Mobility Index in Patients Discharged from Intensive Care Unit

Büşra Turgut (Izmir, Turkey), Ilknur Naz Gürsan, Ozlem Edipoglu, Cenk Karakılı

Variation of muscles thickness and strength in critically ill patients: preliminary results

Veronica Rossi (Milan, Italy), Serena Tammaro, Simone Gambazza, Filippo Binda, Emilia Privitera, Chaira Abruzzese, Giacomo Grasselli

The impact of nusinersen on respiratory function in adult patients with spinal muscular atrophy after 1.5 years of treatment.

Pija Puščič Šimek (Ljubljana, Slovenia), Manca Groznik Tratnjek, Blaž Koritnik, Lea Leonardis

Evaluation of thoracoabdominal asynchrony in Duchenne Muscular Dystrophy: a pilot study

Bilge Taşkın Gürel (Ankara, Turkey), Azize Reda Tunc, Naciye Vardar Yagli, Aynur Ayşe Karaduman

Correlates of dyspnea in late onset Pompe disease (LOPD) patients: a pilot study

Rosario Di Marco (Cerda, Italy), Antonino Lupica, Paolo Alonge, Vincenzo Di Stefano, Filippo Brighina, Grazia Crescimanno

Home oscillometry monitoring after lung transplant is feasible and reliable

Joyce Wu (Toronto, Canada), Anastasia Vasileva, Zoltán Hantos, Chung-Wai Chow

Lung clearance index is elevated in children and adolescents with bronchiectasis

Kathryn Ramsey (Perth, Australia), Julia Casella, Alana Harper, Andre Schultz

Lung diffusion capacity: Key to understanding dyspnea in post-Acute COVID-19

Olha Shchudro (Dnipro, Ukraine), Lyudmyla Konopkina, Yulia Huba, Larysa Botvinikova
The lung function tests and 6MWT in lung cancer patients over 80 years – the essential tools in preoperative physiological assessment.
Monika Franczuk (Warszawa, Poland), Piotr Rudziński, Renata Langfort, Agata Gladzka, Tadeusz Orlowski, Stefan Wesolowski

Cardiopulmonary exercise testing in adult congenital heart disease: can we predict exercise capacity from a submaximal test?
Thomas Simon FitzMaurice (Liverpool, United Kingdom), Scott Hawkes, Yuen Liao, Damien Cullington, Angella Bryan, James Redfern, Reza Ashrafi

Non-cardiac determinants of impaired aerobic capacity in adult congenital heart disease (ACHD)
Jason Burge (Wolverhampton, United Kingdom), Vicky Moore, Dawn Adamson, Edward Parkes

Breathlessness in Adult Congenital Heart Disease (ACHD): It's more than just the heart
Jason Burge (Wolverhampton, United Kingdom), Dawn Adamson, Edward Parkes

Reliability study of pulmonary function tests in patients with chronic obstructive pulmonary disease
Elif Şen (Ankara, Turkey), Fatma Arslan, Burak Şirin, Nurdan Köktürk, Gaye Ulubay, Selma Aydoğan Eroğlu, Bilun Gemicioglu, Özlem Sönmez, Irem Şerifoğlu Rahatlı, Aslı Görek Dilektaşlı, Burcu Özürk Şahin, İlky Doğan, Nermin Gürhan, Hakan Günen, Nihal Enşen

Targeting lung health in Coventry and Warwickshire: Relationship of breathlessness and location of emphysema with lung function.
Vicky Moore (Coventry, United Kingdom), Natalie O'Reilly, Absari Choudhury, Aisatu Jaiteh, Edward Parkes, Joanna Shakespeare

Prediction of lung hyperinflation in advanced COPD from spirometry and demographics
Ebtihal Alharbi (LEICESTER, United Kingdom), Michael Steiner, Steve Corkill, Neil Greening, Thomas Ward

The value of measuring Exhaled Nitric Oxide in COPD with pulmonary hypertension.
Eugerta Dilka (Tirana, Albania), Artan Simaku, Perlat Kapisyzi

Asthma with normal lung function
Imane El hamdani (Casablanca, Morocco), Nahid Zaghba, Hanane Benjelloun, Khadija Chaanoun, Harraz Hanaa, Najiba Yassine

Effects of the dead space apparatus on compartments volume and configuration of chest wall in infants
Armele Dornelas De Andrade (Recife (PE), Brazil), Cyda Reinaux, Andrea Aliverti, Livia Silva, Harrison Euller, José Eulalio Filho, Murilo Britto

Quantitative start of test criteria for spirometry in preschool children
Luciano Enrique Busi (Trelew (Chubut), Argentina), Peter David Sly

Respiratory oscillometry in infants: methodological aspects
Zoltán Hantos (Budapest, Hungary), Jeffrey Bjerregaard, Christina Tiller, Laura Amos, Gergely Makan, Robert Tepper

Comparison of Lung Function and Respiratory Muscle Strength in Geriatric Individuals with and without Metabolic Syndrome
Alper Kemal Gürbüz (Kırıkkale, Turkey), Funda Sirakaya, Aynur Demirel, Meral Sertel

Late Breaking Abstract - The Introduction of Improved Quality Assurance Practices in a Pulmonary Physiology Department
Anita Doggett (Dublin 4, Ireland), Su Hemenstall, Charlie Gallagher

A review of latent TB infection screening practices in south-west England: A need for consensus
Danielle Bruchez (Bristol, United Kingdom), David Hettle, Miles Edwards, Fraser Easton

One-Month Rifapentine plus Isoniazid (1HP) is a safe regimen for LTBI treatment in non-HIV population: A randomized controlled trial
Jann-Yuan Wang (Taipei, Taiwan), Hung-Ling Huang, Chih-Hsin Lee
PA1467  Efficacy of 3HR regimen in prevention of progression of latent tuberculosis infection in patients receiving immunosuppressive therapy. A single center, prospective, observational study. 
Abhishek Tandon (Rohtak (Haryana), India), Naiveen Dutt, Nishant Chauhan, Gopal Durgeshwar, Hariharan Iyer

PA1468  Rifapentine + isoniazid for latent tuberculosis infection in Brazil: a retrospective cohort study
Beatriz Chaves (Rio de Janeiro, Brazil), Ana Carolina Souza, Janaina Leung, Walter Costa, Ana Paula Santos

PA1469  An analysis of the effectiveness of the latent tuberculosis service in Southampton - the reasons for treatment non-adherence
Mila Bilsland (warwickshire, United Kingdom), Anindo Banerjee, Ben Marshall

PA1470  Pyridoxine levels in healthy patients receiving isoniazid for latent tuberculosis infection
Sivan-Haia Perl (Tel aviv jaffa, Israel), Karm Amar, Benjamin Fox

PA1471  Contact investigation after exposure to TB in healthcare workers
Aikaterini Manika (Pylaia (Thessaloniki), Greece), Panagiota Kyreltsi, Michail Leontakianakos, Foteini Gkakou, Maria Alevizaki, Maria Sionidou, Evgenia Katsimpourlia, Eleni Papadaki, Marija Hadji-Mitrova, Anna Tsakona, Anna Nikopoulou, Despoina Papakosta

PA1472  The impact of the COVID-19 pandemic on the latent tuberculosis service in Southampton
Mila Bilsland (warwickshire, United Kingdom), Anindo Banerjee, Ben Marshall

PA1473  Latent tuberculosis and biotherapy in chronic inflammatory diseases: value of the QuantiFERON TB Gold Plus test in diagnosis
Fatima Zahra SOUID (Alger, Algeria), Imane Sakhri, Samia Mamouzi

PA1474  Comparative analysis of LTBI treatment tolerance across age groups: a retrospective monocentric observational study
Irene Sini (Orani, Italy), Lucia Allavena, Gloria Leonardi, Maurizio Ferrarese, Alice Claudia Repossi, Marco Mantero, Francesco Blasi, Luigi Rufio Codecasa

PA1475  Cost of Tuberculosis (TB) screening and contact tracing an Eastern European immigrant population seasonally employed at an agricultural farm in the United Kingdom
Harmesh Moudgil (Telford (Shropshire), United Kingdom), Susan George

PA1476  LTBI screening in tuberculosis low-incidence country – can a negative IGRA “cancel” a positive TST result?
Sivan-Haia Perl (Tel aviv jaffa, Israel), Oksana Niazov, Daniel Chemtob, Benjamin Fox

PA1477  Characteristics of patients with borderline T-SPOT.TB test and retest results
Ole Skouvig Pedersen (Aarhus C, Denmark), Søren Sperling, Victor Naestholt Dahl, Andreas Fløe

PA1478  QuantiFERON-TB Gold Plus CLIA vs. T-SPOT.TB in patients with immunosuppressive conditions
Miguel Arias Guillen (Oviedo (Asturias), Spain), Sergio Palacios-Penedo, Marta Solis-Garcia, Sabino Riestra-Menéndez, Marta Maria Garcia-Clemente, Juan Nieves-Salceda, Iván Menéndez-Vallina, Gema Ramirez-Parras, Victor Asensi, Juan José Palacios-Gutierrez

PA1479  Risk of tuberculosis and uptake rates of latent tuberculosis infection(LTBI) screening among clinical risk groups in South Korea: A nationwide population-based cohort study
Yun Seok Kim (Incheon, Republic of Korea), Lee Jun Seung, Hyung Woo Kim, Ju Sang Kim, Jinsoo Min, Joong Hyun Ahn

PA1480  Tuberculosi Preventive Therapy-Will the strategy work to control Tuberculosis
Darshan Kumar Bajaj (Lucknow (Uttar Pradesh), India), R A S Kushwaha, Rajiv Garg, Richa Tyagi, Surya Kant, Nandini Dikshit, Ankit Kumar, Jyoti Bajpai, Ajay Verma, Anand Srivastava, Ranjeet Raman, Neha Kumari, Yogita Vats

PA1481  Active TB related to IGRA conversion in a dynamic cohort of patients with Inflammatory Bowel Disease receiving biological therapy, with up to 14 years of follow-up.
Miguel Arias Guillen (Oviedo (Asturias), Spain), Sabino Riestra-Menéndez, Juan José Palacios-Gutierrez, Marta Maria Garcia-Clemente, Ramón Fernández-Alvarez, Miguel Santibañez-Margiüelo, Ruth De Francisco, Guillermo Muñiz-Albaiceta, Patricio Escalante

PA1482  Integrated approach to lung health screening through mobile X-ray technology: experience from Odeska Oblast, Ukraine
Liana Kevtunovych (Odesa, Ukraine), Olena Pavlenko, Serhii Samchenko, Myroslava Germanovych, Aleksey Bogdanov, Yana Terleieva, Gunta Dravniece

PA1483  The prevalence and predictors of latent TB infection (LTBI) of COPD patients in Taiwan
Hung-Ling Huang (Kaohsiung, Taiwan), Meng-Hsuan Cheng, Chau-Chyun Sheu, Inn-Wen Chong, Jann-Yuan Wang
Latent tuberculosis and immune-mediated inflammatory diseases: the performance of TST and IGRA
Ana Paula Santos (Rio De Janeiro (RJ), Brazil), Bernardo Torres Skinner, Samara Galdino Coelho, Roberto Stefan De Almeida Ribeiro, Juliana Cristina Borges Da Silva, Janaina Aparecida De Medeiros Leung, Walter Costa, Thiago Thomaz Maftor, Rogerio Rufino, Luciana Silva Rodrigues

A Retrospective Study on the Agreement and Diagnostic Utility of the Biofire Pneumonia Array Compared to the Sputum Culture in a Tertiary Hospital in Metro Manila from January 2022 to August 2023
JUAN MIGUEL PENA (Las Pinas, Philippines), Lenora Fernandez

Acute community pneumonia: Contribution of microbiological samples in a pulmonology department
Ines moussa (ariaina, Tunisia), Jalloulil Nour Lahbib, Moussa Ines, Ben Hmida Lenda, Sahnoun Imen, Mrassi Hana, Douik El Gharbi Leila

The value of sputum cytobacteriological examination in the management of bacterial pneumonitis in hospital
Hafsa Mitre (Casablanca, Morocco), Nahid Zaghiba, Hanane Benjelloun, Khadija Chaanoun, Harraz Hanan, Najiba Yassine

Pleural fluid proteomics from patients with pleural infection shows signatures of diverse neutrophilic responses: The Oxford Pleural Infection Immunophenotyping Study (TORPIDS 2)
Nikolaos I. Kanellakis (Oxford, United Kingdom), Kiki Cano-Gamez, Julia Chu, Nikita Manoharan, Roman Fischer, Tao Dong, John Corcoran, Julian Knight, Justin Whalley, Najib Rahman

Clinical Application Value of Metagenome Next-Generation Sequencing (mNGS) in Pulmonary Diffuse Exudative Lesions: A Retrospective Study
Hongru Li (Fuzhou (Fujian), China), Yisong Wu, Jian Wu, Nenguan Xu, Ming Lin, Wenguang Yue, Yusheng Chen, Qiongyao Zhang

Combined use of respiratory multiplex PCR and procalcitonin to reduce antibiotic exposure in acute chest syndrome
Alexandre Elabbad (Paris, France), Alejandro Santin, Keyvan Razazi, Charlotte Verdet, Francois Lionnet, Armand Mekontso Dessap, Alexandre Rousseau, Sophie Tuffet, Romane Lacoste-Badie, Guillaume Voiriot, Muriel Fartoukh

Serum Sphingolipids Aid in Diagnosing Adult HIV-Negative Patients with Pulmonary Cryptococcosis: A Clinical Cohort Study
Zhengtu Li (Guangzhou, China)

Prolonged QTc Interval at Admission: A Hallmark of Poor Prognosis in Community-Acquired Pneumonia?
Warda Jelassi (Tunis, Tunisia), Sonia Toujani, Khadija Euchi, Sana Cheikhrouhou, Yacine Ouahchi, Meriem Mjid, Abir Hedhili, Besma Dhahri

Blood eosinophil numbers as predictor of severity of community-acquired pneumonia in a prospective multicentre validation cohort
Barbara Christine Weckler (Marburg, Germany), Stephan Ringshandl, Peter Ahnert, Hendrik Pott, Wilhelm Bertrams, Max Kutzinski, Anna Lena Jung, Katrin Laakkmann, Christian Seidemann, Norbert Sutorp, Christian Wildberg, Dominik Heider, Roman Martin, Claus Franz Vogelmeier, Bernd Schmeck

The prognostic role of lung ultrasound in hospitalized patients with COVID-19
Ioannis Tomos (Athens (P. Faliro), Greece), Elvira Markelou Antoniogianaki, Konstantina Dimakopoulou, Thomas Raptakis, Vasiliki Apollonatou, Maria Kallieri, Stefanos Lampadakis, Myrto Bлизузо, Antonis Krousos, Anna Karakatsani, Effrosyni D. Manali, Stylianos Loukides, Spyros A. Papiris

Analyzing the Performance of the COVID-19 Early Warning Score in Diagnosing COVID-19
Jatu Aphridasari (Surakarta (Central Java), Indonesia), Linda Soebroto, Dian Widya Anggraeni

Microbial etiology of pleural infections – A Retrospective view in a Portuguese Hospital
Maria João Lúcio (linda a velha, Portugal), Eva Brysch, Ana Santos, Tiago Saldanha, Fernando Nogueira

Pathogen identification in endotracheal aspir sample using metatranscriptomics
Nan Wu (Beijing, China), Zhenchao Wu, Ning Shen
**PA1498**  
PLEURAL FLUID AGITATION FOR IMPROVING THE MICROBIOLOGIC DIAGNOSTIC YIELD IN PLEURAL INFECTION – A FEASIBILITY STUDY  
Ahmed Sadaka (Alexandria, Egypt), Reda Saaid, Heba Ashmawy, Hadir Okasha, Heba Gharraf

**PA1499**  
IL-6 and TIMP-1 correlated to airway pathogen colonization and predict disease severity in patients with non-cystic fibrosis bronchiectasis  
Shih-Wei Huang (Taoyuan, Taiwan), Chun-Yu Lin, Horng-Chyuan Lin

**PA1500**  
A molecular method for bacterial infection monitoring in bronchiectasis by RNA quantification  
Adam Bell (Edinburgh, United Kingdom), Daniela Alfére De Lima Headley, Migle Young, Marie-Jeanne Kempen, Chandani Hennayake, Sarah Williams-Macdonald, Rebecca Hull, Mateja Sborchia, Pawlina Dand, Jamie Long, Maia Kavenagh-Williams, Declan Fawcett-Gibson, Daniel De Vega, Zsofia Eke, Eve McIntosh, Rachel Dakin, Carolyn Clarke, Rebecca Holmes, James D. Chalmers

**PA1501**  
Respiratory multiplex PCR could predict morbidity and mortality in solid organ transplant patients  
Dorina Rama Esenagli (Ankara, Turkey), Fidan Layijova, Emre Karakaya, Gaye Ulubay, Mehmet Haberal

**PA1502**  
Prognostic Significance of Blood CMV DNA Load in Immunocompetent Patients with CMV Pneumonia: A Retrospective Cohort Study  
Ezgi Demirdogen (Bursa, Turkey), Ozge Aydin Guclu, Esra Kazak, Nilufer Aylin Acet Ozturk, Merve Nur Yildiz, Orkun Eray Terzi, Asli Gorek Dilektasli, Ahmet Urasvavas

**PA1503**  
Investigation of methods to identify the etiology of infection rapidly and accurately by using the Biofire® FilmArray® Pneumonia Panel (PN panel) in admitting pneumonia.  
NORIKO TAKEDA (OSAKA, Japan), Hidenori Tanaka, Kentaro Ueno, Masaaki Kobayashi, Yuri Oshima, Takahiro Ueda, Hideaki Kadotani, Riki Uenishi, Hiroaki Kubo, Mariko Isii, Haruhiko Matsuishita

**PA1504**  
Clinical application of multiplex PCR in adults with parapneumonic pleural effusion  
King-Pui Florence Chan (Hong Kong, Hong Kong), Terence Chi Chun Tam, David Chi-Leung Lam, Pak-Leung Ho

**PS-26**  
Session 149  
12:30 - 14:00

**Poster session:** After the storm: COVID-19 in 2024

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

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

**Tag(s):** Clinical

**Chairs:** Anna Freeman (Southampton, United Kingdom)

**PA1505**  
Short- and long-term effects of imatinib in patients hospitalised for COVID-19: A randomised trial  

**PA1506**  
Inhaled Aviptadil is a new hope for recovery of lung damage due to COVID-19  
Dorina Rama Esenagli (Ankara, Turkey), Nuran Sari, Sila Akhan, Sonay Arslan, Gürdal Yılmaz, Firdevs Aksoy, Esra Canpolat Ünlü, İşıl Kibar Akıltı, Mustafa Kemal Çelen, Çiğdem Mermutluoğlu, Ahmet Çağkan Inkaya, Emre Kara, Barış Demirkol, Levent Arafat, Erdoğan Çetinkaya, Mustafa Çörtük, Nagihan Durmuş Koçak, Elif Torun Parmaksiz, Gamze Durhan

**PA1507**  
Influence of demographics and dosing on COVID-19 outcomes and Favipiravir efficacy  
Rebecca Wawman (East Malling, United Kingdom), Christopher M Orton, Marta Boffito, Anand Tana, James Tonkin, Alexandra N Baikov, Mark R Johnson, Anton Pozniak, Michael Pelly, Pankaj K Bhavsar, Pallav L Shah

**PA1508**  
Skin conductance as indicator of relaxation capacity in patients with and without post-traumatic stress symptoms related to COVID-19 hospitalization  
Michelle Iran Aboyte Pedroza (IZTAPALAPA, Mexico), Karen Sánchez Martinez, Sandra Denise Enriquez Godefroy, Frida Uríbe Gaspar, Victoria Lilian Pachicano Romero, Frida Albarran Lopez, Viridiana Pelaez Hernández, Arturo Orea Tejeda, Tomas Peña Espinosa

**PA1509**  
Efficacy of Oral 20-hydroxyecdysone (20E) in adults with severe COVID-19  
Capucine Morelott-Panzini (Paris, France), Bryan Snyder, Suzana Tanni, Ludhmla Abrahao Hajjar, Valerie Poucherd, Girish Nair, Muriel Lins, Edouard Devaud, Jean Mariani, Rene Lafont, Sandrine Rabut, Claudia Ferreira, Cendrine Tourette, Serge Carmelo, Waly Dioh, Stanislas Veillet, Rob Van Maanen, Lee Maddox, Gaëtan Plantevefe, Suzana Lobo
**The impact of COVID-19 infection on eosinophil dynamics**
Maral Ranjbar (Hamilton, Canada), Ruth Cusack, Christanne Whetstone, Jennifer Wattie, Lesley Wiltshire, Jennifer Le Roux, Eric Cheng, Thivya Srinathen, Therenne Ho, Roma Sehmi, Maryonne Snow-Smith, Michelle Makiya, Amy Klion, Mylinh Duong, Gail Gauvreau

**A perspective on COVID-19 hospitalised patients across Europe: data from the END-COVID CRC**
Mattia Nigro (Milan, Italy), Claudia Valenzuela, Marko Lucijanic, Vladimir Kobilizek, Rosario Menendez, Alessandra Bandera, Raffaele Antonelli-Incalzi, Cormac McCarthy, Merel Hellemens, Philippe Lambin, Branislava Milenkovic, Sara Tomassetti, Florin Mihalatan, James Chalmers, Stefano Aliberti

**Clinical analysis of 6 patients with severe COVID-19 pneumonia who underwent pathological autopsy**
Manabu Suzuki (Tokyo, Japan), Yuriko Terayama, Yuuko Terayama, Clara So, Akinari Tsukada, Chie Morita, Takashi Katsuno, Yuusaku Kusaba, Yoshie Tsujimoto, Akane Ishida, Masuo Hashimoto, Kento Misumi, Hideki Miyazaki, Jin Jin, Hiroshi Nokihara, Shinyu Izumi, Toru Igarashi, Masayuki Hojo, Haruhito Sugiyama

**The early impact of COVID-19 vaccines on major events in pulmonary, cardiac, and thromboembolic disease: a nationwide retrospective cohort study**
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André Almeida (Lisboa, Portugal), Alessandro Cozzi-Lepri, Massimo Staffoglia, Maria Francesca Greco, Giulia Caporalí, Mariella Santoro, Federica Nobile, Joana Monjardino, Taciaca Banco Ribeira, Francesca Bai, Giulia Marchetti, Hugo Tente, Anderson Rude, Rizzieri Pedruzzo, Marco Ianetta, Daniele Spalletta, Luca Mariotti, Francesca Incardona, Cristina Toscano, Ana Abecasis, Carlos Figueiredo, Thierry Mertens

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Yoshitaka Wakabayashi (Tokyo, Japan), Shin Nakayama, Ai Yamamoto, Kyungho Chang, Takatoshi Kitazawa, Kazuhisa Tsukamoto

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Mariana Haeberer (ALCOBENDAS, Spain), Rong Fan, Marina Toquero Asensio, Alejandro Martin Toribio, Quin Liu, Yongzheng He, Sonal Uppal, Caihua Liang, Elizabeth Begier, Jose M. Eiros, Javier Castrodeza Sanz, Ivan Sanz-Muñoz

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Dan Padawer (Jerusalem, Israel), Fares Darawshy, Yaser Salaymeh, Aed Redawaqan, Neville Berkman

**Post-acute COVID and sarcopenia: combined impacts on muscle mass, strength, and physical performance**
Neslihan Özçelik (Rize, Turkey), Songül Özyurt, Elvan Senturk Topaloglu, Aziz Gumus, Cıçek Hocaoglu, Unal Sahin

**Clinical outcomes of COVID-19 patients with HIV and HIV-negative COVID-19 patients in a tertiary care hospital**
MYEONG GEUN CHOI (Seoul, Republic of Korea), Min-Ho Kim, Eun Mi Chun

**A comprehensive review of the impact of the COVID-19 pandemic on mental health in children and adolescents**
Neslihan Özçelik (Rize, Turkey), Songül Özyurt, Elvan Senturk Topaloglu, Aziz Gumus, Cıçek Hocaoglu, Unal Sahin

**The impact of COVID-19 infection on eosinophil dynamics**
Maral Ranjbar (Hamilton, Canada), Ruth Cusack, Christanne Whetstone, Jennifer Wattie, Lesley Wiltshire, Jennifer Le Roux, Eric Cheng, Thivya Srinathen, Therenne Ho, Roma Sehmi, Maryonne Snow-Smith, Michelle Makiya, Amy Klion, Mylinh Duong, Gail Gauvreau

**A perspective on COVID-19 hospitalised patients across Europe: data from the END-COVID CRC**
Mattia Nigro (Milan, Italy), Claudia Valenzuela, Marko Lucijanic, Vladimir Kobilizek, Rosario Menendez, Alessandra Bandera, Raffaele Antonelli-Incalzi, Cormac McCarthy, Merel Hellemens, Philippe Lambin, Branislava Milenkovic, Sara Tomassetti, Florin Mihalatan, James Chalmers, Stefano Aliberti

**Clinical analysis of 6 patients with severe COVID-19 pneumonia who underwent pathological autopsy**
Manabu Suzuki (Tokyo, Japan), Yuriko Terayama, Yuuko Terayama, Clara So, Akinari Tsukada, Chie Morita, Takashi Katsuno, Yuusaku Kusaba, Yoshie Tsujimoto, Akane Ishida, Masuo Hashimoto, Kento Misumi, Hideki Miyazaki, Jin Jin, Hiroshi Nokihara, Shinyu Izumi, Toru Igarashi, Masayuki Hojo, Haruhito Sugiyama

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Disease(s) : Thoracic oncology
Method(s) : Endoscopy and interventional pulmonology  Cell and molecular biology  General respiratory patient care  Imaging  Epidemiology  Surgery
Tag(s) : Clinical
Chairs : Amanda Dandanell Juul (Odense S, Denmark), Eric Daniel Tenda (Jakarta, Indonesia)

PA1525 Limited diagnostic yield of urgent haemoptysis referrals to lung cancer clinics
David Quigley (Dublin, Ireland), Laura Piggott, Parthiban Nadarajan

PA1526 Diagnostic performance of bronchial washing fluid NGS by clinical characteristics of lung cancer
Jeong Seon Ryu (Incheon, Republic of Korea), Jun-Hyeok Lim, Woo-Kyung Ryu

PA1527 Ultrasound-guided (USG) Tru-Cut biopsies of thoracic masses performed by respiratory physicians.
Viktoria Oakden (Stoke-on-Trent, United Kingdom), Amna Salman, Muhammad Ganaie

PA1528 Efficacy of imaging-guided transthoracic needle lung biopsy - a single center retrospective study
Cristian Pintilie (Bucharest, Romania), Athir Eddan, Vlad Ştefan Băcioiu, Ştefania Florina Oprea, Cristina Sanda, Paula Copil, Daniel Muşetescu, Radu Matache, Claudia Lucia Toma

PA1529 EBUS for Lung Cancer: Our Experience Over 5 Years
Abhimanyu Lal (Solihull (West Midlands), United Kingdom), Grace Pink, M. Bilal Niazi, Muhammad Sarfraz, Eleanor Hartree

PA1530 Comparison of the diagnostic effect of EBUS-TBNA versus conventional bronchoscopic biopsy in patients with lung cancer who exhibit external bronchial stenosis
Xin He (Beijing, China), Ailin Yang, Shan Nie, Bo Wu, Yanjun Wu, Nan Jia, Zhigang Yao

PA1531 Implementation of rigid bronchoscopy safety protocols in lung cancer diagnosis
Georgi Hardavella (Athens, Greece), Ioannis Karampinis, Ioannis Kyritsis, Antonios Katsipoulakis, Nikolaos Anastasiou

PA1532 Long-term Diagnostic Yield for Navigational Bronchoscopy: Analysis of Over 600 Procedures
Arvind Muthirevula (Leeds, United Kingdom), Joshil Lodhia, Elaine Teh, Marco Nardini, Alessandro Brunelli, Richard Milton, Kostas Papagiannopoulos, Peter Tcherveniakov, Nilanjan Chaudhuri

PA1533 Transbronchial peripheral forceps biopsy without direct guidance in suspected pulmonary oncological lesions – analysis of 189 consecutive patients
Natalia Motas (Bucuresti, Romania), Veronica Manolache, Vlad Alexe, Madalina Cristiana Mizea, Madalin Tetu, Ovidiu Rus, Elena Jianu, Alin Burlacu, Liviu Verinceanu, Dragoș Sion, Nicolae Gheorghiu, Catalina Ceausescu, Mihaea Dan Davidescu

PA1534 Effectiveness of argon plasma coagulation in patients with haemoptysis caused by malignancies
Luca Alessandro Belmonte (Belvedere Marittimo, Italy), Giovanni Sotgiu, Andrea Baccelli, Momen Mohammed Wahidi, Laura Saderi, Paolo Carlucci, Fausta Alfano, Rocco Rinaldo, Gabriele Guido, Carmelo Intravaia, Andrea Luciani, Paolo Busatto, Stefano Centanni, Michele Mondoni

PA1535 Percutaneous CT-guided thermal ablation of primary lung cancer
Elissavet Konstantelou (Athens, Greece), Georgia Hardavella, Avraam Assi, Marianna Dimitrakopoulou, Aikaterini Kosma, Evangelos Lianos, Evangelos Fergadis, Anna Ntokou, Nikolaos Charalampakis, Elissaios Kontis, Ioannis Karampinis, Nikolaos Bolanos, Nikolaos Zias, Christos Kosmas, Konstantinos Stefanidis

PA1536 Utility of cryobiopsy for diagnosis of mucinous adenocarcinoma
Aki Ikeda (Toyoake, Japan), Yuko Oya, Takaya Sato, Tomoya Horiguchi, Yasuhiro Goto, Naozumi Hashimoto, Masashi Kondo, Kazuyoshi Imaizumi

PA1537 Navigated Superselective Intrabronchial Brachytherapy for peripheral lung cancer: an old technique plays a new role
Yishi Li (Chongqing, China), Longhao Li

PA1538 Urine metabolomics can discriminate between NSCLC or SCLC
Tina Kramarič (Aberystwyth, United Kingdom), Andrine Vangberg, Manfred Beckmann, David Rooke, Luis A J Mur, Keir E Lewis

PA1539 The electronic nose in lung cancer diagnostics: A systematic review and meta-analysis

PA1540 DIAGNOSTIC YIELD AND SAFE OF RADIAL ENDOBRONCHIAL ULTRASOUND (R-EBUS) FOR PERIPHERAL PULMONARY LESIONS (PPLs) IN BEGINNERS
Irene Lojo-Rodriguez (Vigo (Pontevedra), Spain), Ignacio Fernández-Granda, Maria Isabel Botana Rial, Manuel Nuñez-Delgado, Almudena González-Montaos, Fernando Vargas-Ursua, Alberto Fernández-Villar
PA1541  Morphological tumor-infiltrating lymphocytes evaluation in biopsies from patients with non-small cell lung carcinoma: useful or useless?  Soumaya Debiche (Le Kram, Tunisia), Hela Cherif, Sarra Ben Rjab, Feriel Ben Soltana, Sirine Daoud, Mariem Triki, Salma Mokaddem, Ferdaous Yangui, Mohamed Ridha Charfi

PA1542  Early Results of Clinical Trial with nsCanary: Digital ROSE Device for Bronchoscopic Biopsy Evaluation  Efrain Sanchez Angarita (Guayaquil, Ecuador), Federica Dibennardo, Galo Chang, Martina Guidetti, Onur Fidaner, Daniel Gehrke, Donato Ceres, Margaret John, Constantine Bovalis, Les Bogdanowicz

PA1543  The Impact of PET/CT Parameters on Survival in Small Cell Lung Cancer  Merve Ayık Türk (Izmir, Turkey), Mücahit Fidan, Nhưnşin Agüloğlu, Sinan Çoru, Özgür Batum, Berna Kömürcüoğlu

PS-28  Session 151  12:30 - 14:00

Poster session: Novel diagnostics and monitoring strategies in interstitial lung disease

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

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

Tag(s): Clinical

Chairs: Laurens De Sadeleer (Leuven, Belgium), Katharina Buschulte (Heidelberg, Germany)

PA1544  Cone Beam Computed Tomography improves location of transbronchial cryobiopsy in interstitial lung disease with limited extent  Claudia Ravaglia (Forlì, Italy), Giovanna Vignigni, Antonio Vizzuso, Alessandra Dubini, Enrico Petrella, Emanuela Giampalma, Stefano Maitan, Arianna Johanna De Grauw, Sara Piciucchi, Venerino Poletti

PA1545  Impact Confocal laser endomicroscopy (pCLE) findings on long-term outcome in interstitial lung diseases (ILD)  Frank Reichenberger (Munich, Germany), Daniel Hamberger, Edith Silbernagel, Juergen Behr, Elivira Stacher-Priehse, Wolfgang Gesierich

PA1546  Safety and utility of transbronchial lung cryobiopsy re-assessment in progressive interstitial lung disease  Chieri Yamada (Kawasaki, Japan), Takashi Niwa, Kazushi Fujimoto, Masashi Sakayori, Tsuneyuki Oda, Hideya Kitamura, Tomohisa Baba, Eri Hgiwara, Tae Iwasawa, Tamiko Takemura, Takashi Ogura

PA1547  Diagnostic role of tissue acquisition in patients with minimal fibrotic changes and normal lung functions  Martina Bonifazi (Ancona (AN), Italy), Claudia Ravaglia, Francesca Boni, Federico Mei, Lina Zucatosta, Majed Refai, Gaia Goteri, Francesca Barbisan, Marina Carotti, Alessandra Dubini, Alessandra Borgheresi, Sara Piciucchi, Venerino Poletti

PA1548  Clinical predictors for IPF in an unclassified patient population with indication to transbronchial cryobiopsy  Markus Polke (Heidelberg, Germany), Jana Reinhard, Michael Kretsch, Katharina Buschulte, Johannes Flick, Monika Eichinger, Claus Peter Heubel, Michael Allgäuer, Nikolaus Kneidinger, Philipp Höger, Julia D. Michel-Zetsche, Matthias Grott, Konstantina Kontogianni, Ralf Eberhardt, Felix J. Herth, Franziska C Trudzinski

PA1549  Genomic profiling by next-generation sequencing of idiopathic pulmonary fibrosis in Sardinia  Sara Solveig Fois (Sassari, Italy), Ivana Persico, Panagiotis Palagiannis, Barbara Piras, Antonio Cosso, Stefania Casula, Giuseppe Palmieri, Pietro Pirina, Alessandro Giuseppe Fois

PA1550  Diagnostic confirmation ability of multidisciplinary group aided by Telehealth for interstitial lung diseases (ILD) with undetermined diagnosis  Gabriella Gomes de Carvalho (BOTUCATU, Brazil), Bruno Deo De Oliveira, Bruno De Mattos Freire, Luis Mauricio Batalin Júnior, Julio Cesar De Oliveira, Thomaz Almeida Vargas, Gabriel Couto Bueno, Marcel Koenigkam Santos, Alexandre Todorovic Fabro, Simone Alves Do Vale, Talita Jacon Cezare, Sergio Marrone Ribeiro, Robson Prudente, Estefânia Franco, Suzanna Erico Tanni

PA1551  Don’t be wed to your classification model: deep learning-based models to diagnose idiopathic pulmonary fibrosis using computed tomography  GraceHyun Kim (Los Angeles, United States), Wenxi Yu, Michael McNitt-Gray, Pangyu Teng, Matthew Brown, Goldin Jonathan

PA1552  Deep learning in the diagnosis of idiopathic pulmonary fibrosis  Gullem Ozduygu (BAHÇELİEVLER, Turkey), Gulsum Arı, Nevar Bayhan, Sedat In, Hasan Tiryaki, Ali Aslan Demir, Gulfer Okumus, Zuleyha Bingol

PA1553  Idiopathic Pulmonary Fibrosis (IPF) and Hypersensitivity Pneumonitis (HP): Comparison of GAP, ILD-GAP, CPI Models  Burcu Babağloğlu (İstanbul, Turkey), Elif Tanriverdi, Mustafa Çörtük, Kürşad Nuri Baydili, Fulya Senem Karahmetoğlu, Erdoğan Çetinkaya
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<th>PA1554</th>
<th>To compare one-minute sit-to-stand test with six-minute walk test to assess exercise induced oxygen desaturation in interstitial lung disease</th>
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<td>Deekshith Kolluri (Pune, India), Shabina Faruqi, Rahul Lokhande, Sanjay Gaikwad</td>
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<tr>
<th>PA1555</th>
<th>Could the 6-Minute-Walk-Test be a shorter duration and still show significant oxygen desaturation in interstitial lung disease?</th>
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<td>Lucy Robertson (Cambridge (Cambridgeshire), United Kingdom), Joseph Newman, Karl Sylvester</td>
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<th>PA1556</th>
<th>Exploring small airways disease in IPF patients: insights from oscillometry analysis</th>
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<td></td>
<td>Ourania Kotsiou ( Larissa, Greece), Paraskevi Kigou, Konstantinos Gourgoulianos, Zoe Daniil</td>
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<tr>
<th>PA1557</th>
<th>Assessing small airways in interstitial lung diseases: The use of oscillometry</th>
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<td>Vasilina Sotropoulou (Patras, Greece), Matthaios Katsaras, Dionysios Papaalexatos, Antonios Christopoulos, Ourania Papaioannou, Panagiota Tsiri, Georgios Tsirikos, Electra Koulousoua, Eva Theochari, Ioannis Christopoulos, Dimitrios Komninos, Alexandra Pandi, Eili Malakounidou, Vasiliki Georgiopoulou, Maria Tsamita, Kyriakos Karkoulis, Dimosthenis Lykouras, Fotos Sampsonas, Argyris Tzouveleakis</td>
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<th>PA1558</th>
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<td></td>
<td>Christopher C. Huntley (Bromsgrove, United Kingdom), Paul Ellis, Shivani Kanabar, Michael N Armitage, Pathrabali Mitra, Maximillian Thomas, P. Sherwood Burge, Gareth I Walters, Alice M Turner</td>
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<th>PA1559</th>
<th>From a different angle: Diagnostic Performance of the Beta Angle in Idiopathic Pulmonary Fibrosis versus Chronic Hypersensitivity Pneumonitis – A Cross-Sectional Study</th>
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<td>Joaquin Maritano Furcada (Ciudad Autónoma Buenos Aires, Argentina), Jesica Daiana Nuñez, Ignacio Cesar Rodriguez, Horacio Matías Castro, Hernán Javier Benito, Clara Torres Cabreros</td>
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<th>PA1560</th>
<th>Prevalence of Interstitial Lung Abnormalities (ILA) in the general population and specific radiological patterns</th>
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<td>Giada Maria Capizzi (Palermo, Italy), Nunzia Cannizzaro, Riccardo Messina, Francesco Battista, Irene Di Leo, Rosangela Di Lerti, Domenico Salvatore Gagliano, Emanuele Grasendon, Nicola Scichilone</td>
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<th>PA1561</th>
<th>Neither obstructive sleep apnea nor nocturnal hypoxemia is associated with mortality in idiopathic pulmonary fibrosis patients</th>
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<td>Line Kølner-Augustson (Hørning, Denmark), Thomas Skovhus Prior, Elisabeth Bendstrup</td>
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<th>PA1562</th>
<th>REM-associated obstructive sleep apnoea in interstitial lung disease associates with more severe disease</th>
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<td>Katherine Myall (London, United Kingdom), Jennifer Martinovic, Eui-Sik Suh, Alex West, Brian Kent</td>
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<th>PA1563</th>
<th>The relation between gastroesophageal reflux and pulmonary findings on CT in a general population</th>
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<td>Össur Ingi Emilsson (Uppsala, Sweden), Andrei Malinovschi, Åse Johnsson, Mirjam Ljunggren, Anders Blomberg, Ida Pesonen, Magnus Sköld, Carl-Johan Östgren, Tomas Hansen</td>
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**PS-29**

**Session 152**

**12:30 - 14:00**

**Poster session: Deep in clinical dilemmas of non-idiopathic interstitial lung diseases**

**Disease(s):** Intermittent lung disease, Thoracic oncology, Airway diseases

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

**Tag(s):** Clinical

**Chairs:** Paolo Spagnolo (Padova (PD), Italy), Chair to be confirmed

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<th>PA1564</th>
<th>Drug-induced interstitial lung disease: a nationwide observational study over 37 years using the French pharmacovigilance database</th>
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<td>Sophie Yavordios (Lyon, France), Guillaume Beltramo, Romane Freppel, Frédérique Beau Salinas, Christine Le Beller, Kévin Bihan, Marjolaine Georges, Philippe Camus, Aurélie Grandvuillémin, Philippe Bonniaud</td>
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<th>PA1565</th>
<th>Comparative risk of interstitial lung disease (ILD) among Trastuzumab Deruxtecan (T-DXd) and other anti-breast cancer drugs: a VigiBase pharmacovigilance study approach</th>
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<td>Lana Elu (Paris, France), Kevin Bihan, Anthony Canellas, Marc-Antoine Bendif, Paul Gougis, Joseph Gligorov, Bénédicte Lebrun-Vignes, Jacques Cadranel</td>
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<th>Pneumotoxicity ASSociated With Rheumatological Drugs (PASSWRD) – A modified Delphi</th>
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<td>Manjit Cartlidge (Edinburgh, United Kingdom), Kevin Brown, Nazia Chaudhuri, Tamera Corte, Philippe Dieude, Clive Kelly, Dinesh Khanna, Euan Merorie, Lisa Nicol, Gareth Stewart, Simon Walsh, Marlies Wijsenbeek, Nikhil Hirani</td>
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<th>PA1567</th>
<th>Efficacy and safety of Immune Checkpoint Inhibitors in Lung Cancer Patients with Combined Pulmonary Fibrosis and Emphysema</th>
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<td>Haruka Chin (Sibuya, Japan), Minoru Inomata, Keita Sakamoto, Ken Ito, Akari Misumi, Takashi Maeda, Yu Ito, Nobuyasu Awano, Naoyuki Kuse, Takehiro Izumo</td>
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Understanding the Effects of COVID-19 on Respiratory Function: Insights from Interstitial Lung Disease
Imen Talbi (Sousse, Tunisia), Soumaya Khaldi, Khouloud Kchaou, Soumaya Rebay, Yosra Abdelhedi, Saloua Ben Khamsa Jameddeinne

Longitudinal Outcomes and Risk Factors Associated with COVID-19 Pulmonary Fibrosis: A Comprehensive Analysis.
Won Jin Yang (Seoul, Republic of Korea, Republic of Korea), Ye Seul Seong, Yong Jun Choi, Chi Young Kim, Hye Jung Park, Jae Hwa Cho, Min Kwang Byun

Prevalence and impact of SARS-CoV-2 infection in interstitial lung disease patients: an exploratory experience in two tertiary centers in South Italy
Iudovica capitelli (san nicola la strada, Italy), Luigi Massari, Antonio Russo, Arcangela Di Domenico, Gaetano Rea, Fausto De Michele, Mariatulia Bocchino

Long-term Experience in Fibrotic Hypersensitivity Pneumonitis: A Comprehensive Study of Progressive Pulmonary Fibrosis at a Tertiary Center
Maria Florencio Pilia (Barcelona, Spain), David Espejo, Christian Romero, Ana Villar, Xavier Muñoz, M Jesus Cruz, Iñigo Ojanguren

Prevalent comorbidity in patients with hypersensitivity pneumonitis: a UK primary care population study
Berce Ozalpın (London, United Kingdom), Daryl Cheng, Muhammed Quummer Ul Arfeen, Natalie Fitzpatrick, Harry Hemingway, Kenan Direk, Joseph Jacob

Hypersensitivity pneumonitis with and without Autoimmune Features: a comparative analysis at diagnosis
Joana Catarina Neto Lourenço (Porto, Portugal), Sofia Castro, David Barros Coelho, André Terras Alexandre, Natália Melo, Patricia Caetano Mota, Helder Novais Bastos, António Morais

Hypersensitivity pneumonitis- single center data from Hungary
Sarah Brack (Budapest, Hungary), Nóra Melinda Tóth, Alexandra Nagy, Bernadett Máik, Veronika Müller

Impact of different diagnostic criteria in hypersensitivity pneumonitis: a center’s experience
Rita Vasconcelos Rodrigues Pereira (Cinfães, Portugal), Ana Luisa Fernandes, Joana Lourenço, Maria João Moura, Márcia Araújo, Inês Neves

Recurrence risk factors for organizing pneumonia: a single-center retrospective cohort study
Yuki Sato (Kamogawa, Chiba, Japan), Hiroyuki Ito, Jun Hayashi, Hiroki Matsui, Kei Nakashima

Approaches in diagnosis, follow-up and treatment of patients with progressive pulmonary fibrosis: a questionnaire study
Nilgün Yilmaz Demirci (Ankara, Turkey), Ceyda Anar, Oğuzhan Okutan, Berra Akıncı Özyürek, Funda Coşkun, Ezgi Erdem Türe

Home environmental fungal exposure in patients with Hypersensitivity Pneumonitis
David Jorge Araújo Barros Coelho (Braga, Portugal), João Cavaleiro Rufo, Rita Santos, Catarina Cardoso, André Terras Alexandre, Patricia Mota, Natalia Melo, Helder Novais Bastos, Antonio Morais

Comparing CPET and 6MWT for Assessing Exercise Capacity in Systemic Sclerosis Patients with Pulmonary Involvement
Łukasz Minarowski (Białystok, Poland), Agnieszka Chwiedz, Jakub H. Mróz, Katarzyna Guziejko, Otylia Kowal-Bielecka, Robert M. Mróz

PS-3 Session 153 12:30 - 14:00
Poster session: Athletes, sport, exercise intervention and altitude: an olympic physiology challenge
**Disease(s):** Airway diseases, Sleep and breathing disorders, Pulmonary vascular diseases

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

**Tag(s):** Clinical

**Chairs:** James H. Hull (London, United Kingdom), Hayley Lewthwaite (Merewether, Australia)

**Prevalence of exercise-induced bronchoconstriction in adolescent cross-country skiers using exercise challenge test in sub-zero air.**
Linda Ek (Östersund, Sweden), Helen Hanstock, Mats Ainegren, Anne Lindberg, Nikolai Stenfors

**Assessing if Dysfunctional Breathing is associated with performance in endurance athletes**
João V. Hermógenes de Souza (São Paulo, Brazil), Juliana M. B. Santos, Guilherme B. Rodrigues, Celso R. F. Carvalho, Helena S. Batko

**Expiratory flow limitation and respiratory muscle metaboreflex in young and master athletes of both sexes**
Valentin Mons (Nice, France)

**Investigation of exertional dyspnoea by cardiopulmonary exercise testing with continuous laryngoscopy.**
Mark Hew (Melbourne (VIC), Australia), Joy Lee, Eve Denton, Logan Gardner, Tiffany Lin, Asger Sverrild, Mahesh Dharmakumara, Brigitte M Borg

**Treadmill running vs treadmill hill walking: the impact on ventilatory and thoraco-abdominal patterns**
Antonella LoMauro (Milano (MI), Italy), Christian Pozzi, Andrea Aliverti

**Respiratory rate and pulse rate can be reliably monitored during dynamic activities with wearables**
Alessandra Angelucci (Milano, Italy), Federica Camuncoli, Federica Dotti, Filippo Bertozzi, Manuela Galli, Marco Tarabini, Andrea Aliverti

**Pulmonary hemodynamics by echocardiography over two days of acclimatization in lowlanders with chronic obstructive pulmonary disease traveling to high altitude.**
Julian Müller (Zürich, Switzerland), Konstantinos Bitos, Simon R. Schneider, Omuralieva Adilet, Mona Lichtblau, Michael Furian, Talfant Sooornbaev, Konrad E. Bloch, Silvia Ulrich

**Reduced exercise ventilatory efficiency at moderate altitude**
Matteo Morviducci (Roma, Italy), Luigi Panza, Daniel Piamonti, Ilaria Menichini, Gianluca Paciucci, Giulia Prezioso, Flavio Marco Mirabelli, Marco Brunori, Paolo Palange

**Effectiveness of a HIIT exercise program in post-infectious bronchiolitis obliterans: preliminary results from a RCT**
Fernanda Salazar Pérez (Barcelona, Spain), Amanda Ferrer Barberá, Angela Blanco Velasco, Lina Keijzer Dubarry, Cristina De Fuentes Miret, Elena Tundidor Canfran, David Blanco De Tena-Dávila, Marta Amor Barbosa, Tamara Iturriaga Ramirez, Inês De Mir Messa, Ana Diez Izquierdo, Olaia Sardon Prado, Erika Rezola Arcelus, Margarita Pérez Ruiz, Verónica Sanz Santiago, Mário Vinícius Fagundes Donadio

**Breathless challenges – understanding airflow limitation in exercise intolerance**
Susana Maria Gonçalves Clemente (Lisbon, Portugal), Marco Pereira, Ana Lutas, Teresa Pequito, Ana Ladeira, André Sequeira, Andreia Isidoro, Sofia Furtado

**Changes in lung function and exercise capacity in young people after posterior spinal fusion (PSF) for adolescent idiopathic scoliosis (AIS)**
Laura Jess (Edinburgh, United Kingdom), Kaustubh Ahuja, Athanasios Tsirikos, Donald Urquhart

**Impacts of Regular Physical Activity on Hospitalization in Chronic Obstructive Pulmonary Disease: A Nationwide Population-based Study**
Hyeon Kyun Noh (Cheongju, Republic of Korea), Ji-Yong Moon, Hyun Lee, Kang Hyeon Choe, Bumhee Yang

**Exploring abnormal breathing strategies and deconditioning in individuals with elevated trunk fat mass**
Tae Tran Quoc (Ho Chi Minh, Vietnam), Quan Vu Tran Thien, Anh-Thu Huynh Dang, Thu Nguyen Ngoc Phuong, Vinh Nguyen Nhu

**Cardiopulmonary exercise test (CPET) in people with Cystic Fibrosis on eluxacaftor/tezacaftor/ivacaftor therapy**
Mariangela Retucci (Milan, Italy), Andrea Gramaglia, Crizia Colombo, Simone Gambazza, Alessandra Mariani, Serena Tammaro, Marco Vicenzi, Maria Russo, Irene Tomarelli, Valeria Daccò, Francesco Blasi

**Reviewing postoperative cardiorespiratory morbidity in patients assessed by CPET: a 10-year experience**
Joana Da Silva Cruz Gameiro Duarte (Oeiras, Portugal), Rita Enriquez, Teresa Martin, Susana Clemente, Filipa Todo Bom
Improvement of walking capacity in patients with Alpha1-antitrypsin deficiency after augmentation therapy
Rocco Accogli (Parma, Italy), Alessandra Marchese, Annalisa Frizzelli, Alessandro De Simoni, Gaetano Caramori, Alfredo Chetta, Marina Aiello

A detailed analysis of body composition in relation to cardiopulmonary fitness
Per Karlsson (Uppsala, Sweden), Robin Strand, Joel Kullberg, Håkan Ahlström, Lars Lind, Andrei Malinovschi

THE RELATIONSHIP BETWEEN FEV1, DLCO and VO2max TENDS TO DECREASE WITH ALTITUDE
Pedro José Romero Palacios (Pelégros, Spain), Bernardino Alcázar Navarrete, Rocio Torres Gervilla, Maria Wenceslaa Puya Pérez, Juan Antonio Holgado Terriza, Antonio Arrebola Moreno

Variation in spirometric indices during a 16-week combined exercise training in sedentary workers: a randomized controlled trial
Fernanda M. Silva (Sertã, Portugal), José P. Ferreira, Ana M. Teixeira, Diogo Monteiro, Pedro Duarte-Mendes

Session 154 12:30 - 14:00
Poster session: Novel aspects in pulmonary hypertension pathobiology

Disease(s) : Pulmonary vascular diseases
Method(s) : Cell and molecular biology  General respiratory patient care  Physiology  Imaging  Epidemiology
Tag(s) : Translational
Chairs : Christina A. Eichstaedt (Heidelberg, Germany), Andrea Olschewski (Graz, Austria)

Pulmonary hypertension in patients carrying FLNA loss-of-function variants
Laura Stourn (Tregomeur, France), Julien Grymbat, Laurent Savale, Thomas Lacoste-Palasset, Xavier Jaïs, Florence Coulet, Marilène Levy, Damien Bonnet, Olivier Meyrignac, Olivier Sitbon, François Goupil, Marc Humbert, Frédéric Gagnadoux, David Montana

Pulmonary vascular phenotype identified in patients with GDF2 (BMP9) or BMP10 variants: An international multicentre study
Julien GRYNBAT (Paris, France), Harm Jan Bogaard, Melanie Eyries, Olivier Meyrignac, Laurent Savale, Xavier Jaïs, Maria-Rosa Ghigna, Lucas Celant, Arjan Houvelling, Lilian Meijboom, Marilène Levy, Fabrice Antigny, Ari Chaouat, Vincent Cottin, Olivier Sitbon, Damien Bonnet, Marc Humbert, David Montana

Glycoprotein IIb/IIIa-ICAM-1 mediated platelet-endothelial adhesion aggravates pulmonary hypertension
Bai Qianwen (Guangzhou, China), Tao Wang

LncRNA MIR210HG promotes phenotype switching of pulmonary arterial smooth muscle cells through autophagy-dependent ferroptosis pathway
Ran Wang (Hefei (Anhui), China), Enze Wang, Binbin Zhang, Ling Huang, Pulin Li, Rui Han, Sijing Zhou, Daxiong Zeng

Increased DNA Methylation: A Potential Therapeutic Target in Pulmonary Arterial Hypertension
Reem El Kabout (Quebec, Canada), Antonella Abi Sleimen, Sandra Breuils Bonnet, Alice Bourgeois, Melanie Sauvaget, Sandra Martineau, Sarah-Eve Lemay, Charlotte Romnet, Charlie Théberge, Olivier Boucherat, Sleeve Provencher, Sébastien Bonnet, François Potus

Aurora kinase B: A New Therapeutic Target in PAH
Sarah-Eve Lemay (Quebec, Canada), Manon Mougin, Mélanie Sauvaget, Reem El Kabbout, Keiko Yamamoto, Sandra Martineau, Andrénanne Pelletier, Yann Grobs, Alice Bourgeois, Charlotte Romanet, Sandra Breuils-Bonnet, Charlie Théberge, François Potus, Sleeve Provencher, Sébastien Bonnet, Olivier Boucherat

Exploring P300/CBP as therapeutic targets for pulmonary arterial hypertension and right ventricular failure
Alice Bourgeois (Québec, Canada), Sarah-Eve Lemay, Yann Grobs, Charlotte Romanet, Charlie Théberge, Mélanie Sauvaget, Sandra Martineau, Sandra Breuils-Bonnet, François Potus, Sleeve Provencher, Olivier Boucherat, Sébastien Bonnet

IL-6 regulates GATA6 gene promoter methylation by activating the JAK2/STAT3 signaling pathway to promote PASMCs proliferation
Xunping Wu (Guiyang, China), Jie Luo, Jianxiong Liao, Weijia Liu

Narcilasine as a Novel Therapeutic Target for Pulmonary Arterial Hypertension: Addressing Glycosylation in Disease Pathophysiology.
François Potus (Quebec, Canada), Antonella Abi Sleimen, Reem El Kabbout, Sandra Breuils Bonnet, Sandra Martineau, Alice Bourgeois, Mélanie Sauvaget, Charlotte Romanet, Sarah-Eve Lemay, Yann Grobs, Olivier Boucherat, Sleeve Provencher, Sébastien Bonnet
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<td>PA1613</td>
<td>Reverse remodeling and anti-proliferative effects of seralutinib in PAH precision-cut lung slices and pulmonary artery smooth muscle cells</td>
<td>Beate Christiane Schlüter (Gießen, Germany), Ravikumar Sitapara, Eduardo Garcia, Lawrence S. Zisman, Jean-Marie Bruey, Soni Pulliamsetti, Ralph Theo Schermuly, Chanil Valasarajan</td>
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<td>PA1614</td>
<td>Utilising self-similarity to model the morphometry of the pulmonary arteries</td>
<td>Atefeh Rahimi (Auckland, New Zealand), Joyce John, Kelly S Burrowes, Alys Clark, Farbod N Rahaghi, Raul San Jose Estep, Merryn Tawhai</td>
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<td>PA1615</td>
<td>Unlocking the Potential of Genetic Research in Pulmonary Arterial Hypertension: Insights from Clinicians, Researchers and Study Team</td>
<td>Emilia Maria SWIETLIK (CAMBRIDGE, United Kingdom), Michaela Fay, Nicholas W Morrell</td>
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<td>PA1616</td>
<td>Pathogenic variants of genes associated with pulmonary arterial hypertension (PAH): Insights from Trans-Omics for Precision Medicine (TOMPeds) study participants</td>
<td>Vasile Foris (Graz, Austria), Adel Boueiz, Kangjin Kim, Courtney Tern, Edwin K Silverman, Michael H Cho</td>
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<td>PA1617</td>
<td>Understanding what drives Genetic Study Participation: Perspectives of Patients, Carers, and Relatives</td>
<td>Emilia Maria SWIETLIK (CAMBRIDGE, United Kingdom), Michaela Fay, Nicholas W Morrell</td>
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<td>PA1618</td>
<td>Reduced SOX17 in HPAECs drives CXCL10/11 upregulation and CXCR3-dependant lymphocyte migration in vitro</td>
<td>Abdul Mahomed (London, United Kingdom), Anne Burke-Gaffney, Quezia Toe, Gregory Quinlan, Christopher Rhodes, James Pease, S John Wort</td>
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<td>PA1619</td>
<td>Identification of integrin a5b1 inhibition as a potentially disease-modifying approach for the treatment of pulmonary arterial hypertension</td>
<td>Monica Montesinos (Waltham, United States), Sarah-Eve Lemay, Parmita Saxena, Hailey Rapisardi, Minh Hai Nguyen, Hae Jin Kim, Muzaaffar Akram, Dhwal Jain, Elizabeth H. Konopka, Terence I. Moy, Inese Smukste, Andrew Mcetage, James E. Dowling, Sujan Lama, Jessica Pondish, Qi Qiao, Meghan Monroy, Fu-Yang Lin, Hua Wang, Olivier Boucherat, Melanie Sauvaget, Francois Potus, Sandra Breuils-Bonnet, Charlie Theberge, Steeve Provencen, Adrian S. Ray, Blaise Lippa, Sébastien Bonnet, Bryan Goodwin, Min Lu</td>
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<td>PA1620</td>
<td>Plexiform lesions in human explant lungs with end-stage pulmonary arterial hypertension: µCT analysis</td>
<td>Monica Montesinos (Waltham, United States), Sarah-Eve Lemay, Parmita Saxena, Hailey Rapisardi, Minh Hai Nguyen, Hae Jin Kim, Muzaaffar Akram, Dhwal Jain, Elizabeth H. Konopka, Terence I. Moy, Inese Smukste, Andrew Mcetage, James E. Dowling, Sujan Lama, Jessica Pondish, Qi Qiao, Meghan Monroy, Fu-Yang Lin, Hua Wang, Olivier Boucherat, Melanie Sauvaget, Francois Potus, Sandra Breuils-Bonnet, Charlie Theberge, Steeve Provencen, Adrian S. Ray, Blaise Lippa, Sébastien Bonnet, Bryan Goodwin, Min Lu</td>
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<td>PA1621</td>
<td>Role of ATP Citrate Lyase (ACLY) in Vascular Remodeling</td>
<td>Yann Grobs (quebec, Canada), Charlotte Romanet, Sarah-Eve Lemay, Alice Bourgeois, Charlie Theberge, Reem El Kabbout, Pierre Voisine, Melanie Sauvaget, Sandra Breuils-Bonnet, Sandra Martineau, Manon Mougin, Francois Potus, Steeve Provencen, Olivier Boucherat, Sebastien Bonnet</td>
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<td>PA1622</td>
<td>Late Breaking Abstract - A risk score including parenchymal lung disease improves risk stratification in Group 3 Pulmonary Hypertension</td>
<td>Krit Dwivedi (Sheffield, United Kingdom), Michael Sharkey, Samer Alabed, Catherine Hill, Christopher Johns, Smitha Rajaram, Roger Thompson, Alex Rothman, Robin Condliffe, Andrew Swift, David Kiely</td>
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**Poster session: Peripheral bronchoscopy: pushing boundaries**

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

**Method(s):** Endoscopy and interventional pulmonology, Cell and molecular biology, Epidemiology, Imaging

**Tag(s):** Clinical

**Chairs:** Ales Rozman (Golnik, Slovenia), Francesca Conway (London, United Kingdom)

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<th>Session 155</th>
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<td>PA1623</td>
<td>Electromagnetic bronchoscopy-guided transcervical dye marking for localization of peripheral lung lesions.</td>
<td>Ana Reyes Pardessus Otero (Barcelona, Spain), Albert Rafecas-Codern, Juan Carlos Trujillo Reyes, Elisabeth Martinez Tellez, Pere Serra Mitja, Jose Manuel Brenes Castro, Alejandro Liberoño Niño, Georgina Planas Canovas, Marta Navarro Colom, Mar Vega Castosa, Alfons Torroge Fernandez, Virginia Pajares Ruiz</td>
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<td>PA1624</td>
<td>Lung nodules and bronchus sign classification: a retrospective study</td>
<td>Giulia Pastorelli (bologna, Italy), Thomas Galasso, Martina Ferioli, Pasquale Fabio Leggieri, Gian Piero Bandelli, Marco Ferrari, Filippo Natali, Piero Candioli</td>
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<td>PA1625</td>
<td>CT-based radial endobronchial ultrasound image simulation of peripheral pulmonary lesions using deep learning</td>
<td>Chunxi Zhang (Shanghai, China), Yongzheng Zhou, Chuanqi Sun, Jilei Zhang, Junxiang Chen, Xiaoxuan Zheng, Ying Li, Xiaoyao Liu, Weiping Liu, Jiayuan Sun</td>
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<td>PA1626</td>
<td>Peripheral nodular lesions: Interventional experience with electromagnetic navigation and diagnostic correlation with radial radial EBUS.</td>
<td>Medardo Montenegro (Madrid, Spain), Maria Jose Bernabé Barrios, Beatriz Morales Chacón, Maria Asunción Nieto Barbero, Ilígo García Peñuela, Jorge García Aragon, Elena Fernandez M</td>
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<td>PA1627</td>
<td>Suitability of transbronchial biopsies using ultrathin bronchoscope (UTB) and 1.2 mm forceps for genotyping of peripheral pulmonary lesions (PPL)</td>
<td>Giuseppe La Mattina (Palermo, Italy), Michele Gallo, Giuseppe Arcoleo, Giuseppe Adamo, Nicola Scichilone</td>
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<td>PA1628</td>
<td>Cryobiopsy guided by electromagnetic navigation bronchoscopy for the diagnosis of peripheral lung nodules.</td>
<td>Albert Rafecas-Codern (Barcelona, Spain), Ana Pardessus Otero, Marta Navarro Colom, Mar Vega Castosa, Pere Serra Mitja, Alfons Torrego Fernadez, Virginia Pajares Ruiz</td>
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<td>PA1629</td>
<td>Comparison of complications between transbronchial lung biopsy using small forceps and cryoprobes during radial probe endobronchial ultrasound for peripheral lung lesions in a fluoroscopy-free environment</td>
<td>Changhwan Kim (Hwaseong-si, Republic of Korea), Jiwon Park</td>
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<td>PA1630</td>
<td>A randomised controlled study on SuperDimension versus fluoroscopy guided lung cryobiopsies.</td>
<td>Sissel Kronborg-White (Lystrup, Denmark), Stefan Harders, Søren Helbo, Line Madsen, Janne Moller, Venerino Poletti, Thomas Prior, Torben Rasmussen, Sara Tomassetti, Elisabeth Bendstrup</td>
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<td>PA1631</td>
<td>Differences in diagnostic performance between single-use and reusable cryoprobes for peripheral pulmonary lesions</td>
<td>Yuji Matsumoto (Tokyo, Japan), Toshiyuki Nakai, Hideaki Furuse, Takaaki Tsuchida, Tetsuya Watanabe, Yu Mikami</td>
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<td>PA1632</td>
<td>Diagnostic yield of Cone beam CT Navigation Bronchoscopy for Metastatic Lesions: A propensity matched case-control study</td>
<td>Marta Viscuso (Roma, Italy), Roel L.J. Verhoeven, Stephan E.P. Kops, Gerjon Hannink, Rocco Trisolini, Erik H.F.M. Van Der Heijden</td>
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<td>PA1633</td>
<td>Mobile 3-dimensional (3D) C-arm system-assisted transbronchial biopsy under conscious sedation.</td>
<td>Tadashi Sakaguchi (Ma Tsu Saka, Japan), Yoichi Nishi, Osamu Hataji</td>
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<td>PA1634</td>
<td>Changes in diagnostic patterns in patients with lung cancer following implementation of a shape-sensing robotic-assisted navigation bronchoscopy (SSRAB) platform.</td>
<td>Mounir Ghali (Grand Rapids, United States), Marci Smigiel, Sam Wing, Adam Gaertner</td>
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<td>PA1635</td>
<td>First European experience with electromagnetic navigation bronchoscopy for the diagnosis of peripheral nodules</td>
<td>Martina Ferioli (Sermide (MN), Italy), Thomas Galasso, Giulia Pastorelli, Gian Piero Bandelli, Marco Ferrari, Filippo Natali, Pasquale Fabio Leggieri, Piero Candoli</td>
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<td>PA1636</td>
<td>Effectiveness of shields to minimize scattered radiation for bronchoscopist: a phantom study</td>
<td>Yun Seong Kim (Yangsan city (Kyeongsang Nam-do), Republic of Korea), Hee Yun Seol, Seong Hoon Yoon, Won Chul Shin, Suk-Woong Kang, Hosang Jeon, Dongwoon Kim, Yongkan Ki, Seong Jang Kim</td>
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<td>PA1637</td>
<td>Shape-Sensing Robotic-Assisted Bronchoscopy and Mobile Cone-Beam Computed Tomography for Pulmonary Nodules Less than 1 cm</td>
<td>Alejandra Yu Lee-Mateus (Jacksonville, United States), Rodrigo Funes-Ferrada, Alanna Barrios-Ruiz, David Abia-Trujillo, Ana Garza-Salas, Nikitha C. Chandra, Anoop Koratala, Tapendra Koirala, Neal M. Patel, Britney N. Hazelett, Ryan M. Chadha, Sebastian Fernandez-Bussy</td>
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<td>PA1638</td>
<td>Estimating the effect of lung cancer screening on interventional pulmonology procedures in Italy</td>
<td>Giuseppe Croce (Milan, Italy), Martina Ferioli, Giuseppe Dejan Lucido, Dejan Radovanovic, Lorenzo Corbetta, Piero Candoli, Pierachille Santus</td>
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<td>PA1639</td>
<td>Lung cancer screening: estimating the eligible population per single interventional pulmonology center in Italy</td>
<td>Martina Ferioli (Sermide (MN), Italy), Giuseppe Croce, Giuseppe Dejan Lucido, Dejan Radovanovic, Lorenzo Corbetta, Pierachille Santus, Piero Candoli</td>
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<td>PA1640</td>
<td>Late Breaking Abstract - Implantable Artificial Bronchus (IAB) Performance up to 1 year</td>
<td>Felix J.F. Herth (Heidelberg, Germany), Hugo De Oliveira, Dirk-Jan Slebos</td>
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<td>PA1641</td>
<td>Shape-sensing Robotic-assisted Bronchoscopy (SS-RAB) in Sampling Peripheral Pulmonary Nodules: A Prospective, Multicenter Clinical Feasibility Study in China</td>
<td>Fangfang Xie (Shanghai, China), Quancheng Zhang, Chuanyong Mu, Qin Zhang, Huizhen Yang, Jingyu Mao, Jian’An Huang, Xiaoju Zhang, Jiayuan Sun</td>
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<td>PA1642</td>
<td>Identification of high-grade subtypes of lung adenocarcinoma by cryobiopsy as a postoperative prognostic predictor</td>
<td>Hiromu Keira (TOKYO, Japan), Yuji Matsumoto, Hideaki Furuse, Takaaki Tsuchida</td>
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Poster session: Emerging imaging studies in pulmonary fibrosis, infectious diseases and critical situations

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

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

**Tag(s):** Clinical

**Chairs:** Chair to be confirmed

**PA1643** Using FDG PET/CT for assessment of idiopathic pulmonary fibrosis disease activity and prediction of prognosis
Chun-Kai Huang (Taipei city, Taiwan), Jei-Yie Huang

**PA1644** Characterising Regional Pulmonary Gas Transfer using Hyperpolarised 129-Xenon MRI in Fibrosing Interstitial Lung Disease
Mattias Kristensen (Aarhus, Denmark), Michael Væeggemose, Nikolaj Boegh, Esben Hansen, Elisabeth Bendstrup, Christoffer Laustsen

**PA1645** Clinical evaluation of interstitial lung disease using 18F-FDG PET/CT
Masatake Matsumoto (Miki, Japan), Máho Morikawa, Shun Yamazaki, Sáki Itô, Masahiro Katsurada, Yuko Kono, Kiyonobu Takatsuki, Yoshihiro Nishimura

**PA1646** Connective tissue disease-associated interstitial lung disease: a series of 60 patients
Donia Chebbi (Ben Arous, Tunisia), Samar Derbal, Olfa Hentati, Yousra Cherif, Ines Moussa, Hela Kammoun, Fatma Ben Dahmen, Leila Fekih, Leila Gharbi, Meya Abdallah

**PA1647** Prominent nodular elastosis in a subset of patients with UIP pattern. Radiological-pathological correlation.
Sara Picucci (Forlì, Italy), Nicola Sverzellati, Claudia Ravaglia, Alessandra Dubini, Alberto Cavazza, Venerino Poletti

**PA1648** Image Recognition in Chest Radiographs for Chronic Pulmonary Aspergillosis Detection through Deep Learning Process
Shiang-Fen Huang (Taipei, Taiwan), Shu Lin, Tzu-Jung Fu, Tsai-Pei Wang, Kun-Ta Chou

**PA1649** Humans versus machines: The use of AI for chest X-ray interpretation to diagnose laboratory confirmed Tuberculosis among people presenting for primary healthcare in Karnataka, India.
Anthony Byrne (Allambie Heights, Australia), Florent Geerts, Venkat Chekuri, Matthew Edwards, Gautam Kalyatanda

**PA1650** Characterization of Ventilatory Patterns in Diverse Respiratory Disorders via X-ray Velocimetry
Anna Šebová (Bratislava, Slovakia), František Šandor, Michal Šenitko, Andrej Klepanec, Dušan Gierfl, Tamás Ötvös, Trishul Siddharthan, Jason Kirkness

**PA1651** Quantitative CT imaging with vascular analysis in combined pulmonary fibrosis and emphysema
Scott Helgeson (Jacksonville, United States), Hassan Baig, Tony Nadrous, Alejandra Yu Lee Mateus, Sushil Sonavane, Justin Stowell, Augustine Lee, Anna Weaver

**PA1652** Etiological profile of excavated pulmonary opacities: about 168 cases
asmaa rattal (Casablanca, Morocco), Nahid Zaghiba, Hanane Benjelloun, Hanaa Harraz, Khadija Chaanoun, Najiba Yassine

**PA1653** Extraction of clinical data on major pulmonary diseases from unstructured radiologic reports using a large language model
Myeong Seung Choi (Seoul, Republic of Korea), Hyung Jun Park, Jin-Young Huh, Ganghee Chae

**PA1654** Virtual bronchoscopic navigation based on lateral supine computed tomography yields better reproducibility of the peripheral branches than normal supine computed tomography
Atsushi Kitamura (Tokyo, Japan), Fumitsugu Koijima, Tomoaki Nakanura, Clara So, Kohhei Okafuji, Michiho Tanaka, Yutaka Tomishima, Torihiko Jinta, Naoki Nishimura, Touru Bando

**PA1655** Dyssynchrony of the interventricular septum in sarcoid Patients revealed by Cardiac-MRI
Sara Picucci (Forlì, Italy), Elisa Gardini, Maria De Vita, Chiara Daflasera, Roland Barbante, Lucia Crociani, Emanuela Giampalma, Venerino Poletti, Claudia Ravaglia

**PA1656** CT findings of IgG4-related thoracic disease: correlations with clinical and laboratory characteristics
Xueqing Liu (Beijing, China), Jianmin Zhou, Weihong Zhang, Wen Zhang

**PA1657** Reproducibility of automated and manual determination of the pulmonary artery to aorta ratio (PA:A) of ‘real-world’ CT scans
Luis Henry Gonzalez Torres (Montreal, Canada), Henry Jason Biem, Micheal Mcinnis, Fadi Aris, Sandra Derksen Biem, Roger Pang, Misha Fotovati, Paolo F. Medina, Ruben San José Estépar, Raul San José Estépar, Ronald J. Dandurand
Case-based Education Improves Clinician Competence in Appropriate Follow-up of Interstitial Lung Abnormalities
Christy Rohani-Montez (Duillier, Switzerland), Ashley Stumvoll, Marinella Calle, Helmut Prosch

Deep learning based infectivity evaluation by CXR in pulmonary tuberculosis
Jinsik Yoon (Yongin-si, Gyeonggi-do, Republic of Korea), Wouyoung Chung, Songsoo Kim, Yujeong Kim, Jieun Park, Youngae Kang, Dukyong Yoon

Foreign body aspiration in children
Alireza Eshghi (Tehran, Islamic Republic of Iran)

CT-Guided Transthoracic Needle Biopies – The reality in a Portuguese Hospital
Maria João Lúcio (linda a velha, Portugal), Eva Brysch, Ana Santos, Tiago Saldanha, Fernando Nogueira

Pulmonary Alveolar Proteinosis: a tricky case
Claudia D’Antoni (Milan, Italy), Jacopo Civello, Fabrizio Nava, Salvatore Longobardi, Paolo Tarsia

PS-4 Session 157 12:30 - 14:00
Poster session: Clinical respiratory physiology in COPD and respiratory muscles: what’s new?

Disease(s): Respiratory critical care Airway diseases Sleep and breathing disorders Pulmonary vascular diseases
Method(s): Physiology Pulmonary function testing Pulmonary rehabilitation Imaging Cell and molecular biology Respiratory intensive care General respiratory patient care Epidemiology Public health
Tag(s): Clinical
Chairs: Joana Cruz (Leiria, Portugal), J. Alberto Neder (Kingston (ON), Canada)

Satellite cell number makes up its nearest capillary is inversely associated with muscle mass and strength in persons with COPD
Jana De Brandt (Ternat, Belgium), Milan Betz, Thorben Aussieker, Alejandra P. Monsegue, Dion C.J. Houtvast, Sebastian Gehlert, Lex B. Verrijckt, Luc J.C. Van Loon, Harry Gosker, Ramon Langen, Wim Derave, Chris Burtin, Martijn A. Spruit, Tim Snijders

Diaphragm ultrasound assessments in newly diagnosed patients with spinal-onset amyotrophic lateral sclerosis
Dimosthenis Lykouras (Patra, Greece), Kanellos Spiliopoulos, Dimitra Veltisista, Olga Lagiou, Vasilina Sotiropoulou, Kyriakos Karkoulias, Elisabeth Chroni, Argyrios Zoumoulopoulos

Prediction of Cough Effectiveness in Amyotrophic Lateral Sclerosis (ALS) patients assessed by Ultrasound of the Diaphragm during the Cough Expiration phase
Sarah Impagnatiello (roma, Italy), Altea Lecci, Mariateresa Sanzari, Angela Tramontano, Fausta Viccaro, Arianna Sanna, Maria D'Andria, Letizia D'Antoni, Paolo Palange

Diaphragmatic excursion and sternocleidomastoid muscle thickness correlate with exercise capacity and lung hyperinflation in patients with chronic obstructive pulmonary disease
Yu Takeda (Osaka, Japan), Masashi Shiraishi, Yuji Higashimoto, Osamu Nishiyama, Ryuji Sugiya, Hiroki Mizusawa, Masaya Noguchi, Kengo Kanki, Tamotsu Kimura, Hisako Matsuno

Hyposic respiratory failure: ventilation and chest wall inspiratory muscle function in severe COPD
Suk Joon (Michael) Ji (Edmonton, Canada), Jenny Sunheby Jagers, Giovanni Tagliabue, Woosung Lee, Eric Wilde, Andrew Mcivor, Paul Easton

Evaluating the relationship between respiratory muscle electromyography and ultrasound in healthy subjects
Annalisa Frizzelli (Parma, Italy), Junyi Zhang, Owais Kadwani, Alfredo Chetta, Georgios Kaltsakas, Rebecca D’Cruz

Application of electrical impedance tomography in assessing diaphragmatic function
Yao-Wen Kuo (Taipei City, Taiwan), Jih-Shuin Jerng, Huey-Dong Wu

Comparison of tonus and viscoelastic properties of respiratory and peripheral muscles of COPD patients with healthy subjects; a pilot study
Çağatay Maden (Gaziantep, Turkey), Sibel Dogru

Transcriptomics and metabolomics revealed the pulmonary protective mechanism of aerobic exercise in COPD
Siqi Liu (Beijing, China), Alilin Yang, Yue Yu, Yuxiao Li, Xin He, Yanjun Wu, Bo Wu, Bo Xu, Ganggang Yu, Haoyan Wang

Cardiovascular Response During 6-Minute Walk Test in Patients with Stable COPD
Amit Kiran Rath (Raiipur, India), Sajal De, Pallavi Bharadwaj, Soma Sai Kiran Y, Nitesh Goyal
The decline of the 6-minute walk test in subjects with chronic obstructive pulmonary disease (COPD), during a 3-year follow-up
Fettal Nadia (Sidi Bel Abbes, Algeria), Akram Benhaddad

Extracellular Vesicle-mediated Inflammatory Response in COPD is Negatively Enriched by High-intensity Exercise
Asghar Abbasi (Torrance, United States), Bessie Meecheovet, Elizabeth Hutchins, Robert Calmelat, Carrie Ferguson, Patrick Pirrotte, Janos Porszasz, Richard Casaburi, William W. Stringer, Harry B. Rossiter

Dynamic interactions between submaximal leg effort and dyspnoea during incremental CPET: implications for exercise tolerance in COPD
J. Alberto Neder, Abed Hijleh, Danilo Berton, Sophia Wang, Igor Neder-Seralfini, Matthew James, Sandra Vincent, Nicolle Domnik, Devin Phillips, Denis O'Donnell

Late Breaking Abstract - O2 dissociation curve inflection: hemoglobin's built-in Bohr effect trigger
Holger Burchert

Late Breaking Abstract - Sex disparities in Respiratory Medicine. A Swiss cohort study
Benjamin Troxler (Liestal, Switzerland), Giorgia Lüthi-Corridori, Maria Bösing, Jörg Leuppi

Effect of alternate invasive and noninvasive ventilation on duration of mechanical ventilation in patients with tracheotomy: a multicenter randomized controlled trial
xiao zhuo zheng (Chongqing, China), Lei Wu, Shuliang Guo

The impact of different prong-nares ratio on ventilation in subjects using nasal high-flow (NHF) – a physiological study
Jens Bräunlich (Leipzig, Germany), Hubert Wirtz

Influence of nasal high-flow (NHF) on right heart function in stable patients with pulmonary hypertension
Jens Bräunlich (Leipzig, Germany), Hubert Wirtz

Weronika Malgorzata Michalak (Vedano al Lambro, Italy), Silvia Pagani, Stefania Raschi, Cristiano Bonacina, Pierfranco Usai, Monica Bernareggi, Chiara Melacini, Serena Bencini, Martina Piluso, Francesca D’Arcangelo, Luca Parachini, Claudio Macaluso, Ludovico Lanfranchi, Tiziana La Spina, Daniele Magni, Samuele Promi, Giulia Russo, Paolo Scarpazza

Optimizing NIV initiation in acute hypercapnic respiratory failure: a multisystem approach reducing delays
Anna Newton (West Midlands, United Kingdom), Akusha Zahid, Viktoria Oakden, Jawah Ahmed, Aniska Mowat, Atul Gulati

Exploring Factors Associated with Intolerance of Helmet NIV in High-Risk Postextubation Patients; A Retrospective Cohort Study
Napat Jirawat (Bangkok, Thailand), Noppakaj Kongpolprom

Delta ROX as a predictor of High flow nasal cannula failure in COVID-19 critically ill patients
Lilia Bouajina (Kairouan, Tunisia), Oussama Saadaoui, Hend Zorgati, Yosri Ben Ali, Sourour Bel Haj Yousef, Dhouha Ben Braiek, Amani Kacem, Imen Kharrat, Rania Hidri, Anis Maatallah, Rahma Ben Jazia, Jihene Ayachi

Performance of low-flow oxygen delivery systems with mouth breathing and altered respiratory mechanics: a bench study.
Emeline Fresnel (Rouen, France), William Poncin, Shani Arrouch, Roberto Martinez-Alejos

High flow nasal therapy practices in acute and chronic respiratory failure: results from the ERS Hi-Flow survey
Claudia Crimi (Catania (CT), Italy), Marieke Duiverman, Maxime Patout, Alberto Noto, Annalisa Carlucci, Andrea Cortegiani, Cesare Gregoretti, Begum Ergan, Deniz Inal-Ince, Frits Franssen, Christian Karagiannidis, Joao Winck, Stefano Nava

Validity of ROX index to predict High flow nasal cannula outcomes in COVID19 critically ill patients
Lilia Bouajina (Kairouan, Tunisia), Hend Zorgati, Oussama Saadaoui, Dhouha Ben Braiek, Sourour Bel Haj Yousef, Yosri Ben Ali, Rania Hidri, Amani Kacem, Imen Kharrat, Anis Maatallah, Rahma Ben Jazia, Jihene Ayachi
PA1689 Late Breaking Abstract - Effect of body position on inspiratory and sensory responses to rapid bilateral anterolateral magnetic phrenic nerve stimulation
Kyle Boyle (Zurich, Switzerland), Andrea Beglinger, Anna Stahel, Esther Schwarz, Christina Spengler

PA1690 Comparison of Extubation Success between Prophylactic Helmet NIV and High-flow Nasal Cannula in Postextubation Patients at High Risk of Reintubation
Panyporn Temphatharachok (Bangkok, Thailand), Nappatik Kongpolprom

PA1691 Influence of different ventilation modes of non-invasive ventilation in patients with hypercapnic-hypoxic ventilation failure – IVAPS vs. ST
Klaas F. Franzen (Luebeck, Germany), Dominik Pawlak, Tobias Jagomast, Isabell-Christin Scherer, Lisa Jung, Mareike Lüthgen, Daniel Drömann

PA1692 Difficult decannulation: impact of an individualized strategy on the survival of patients with neuromuscular diseases.
Deborah Dos Reis Estrella (Belo Horizonte (MG), Brazil), Renata Meira Isensee, Brigida Amatto, Felipe Silva, Sabrina Bernardes, Mauro Vidigal De Rezende Lopes

PA1693 Response to high-intensity ventilation in COPD using IVAPS mode.
Paula Pujal Montaña (L’Ametlla Del Valles, Spain), Macarena Segura Medina, Patricia Peñacoba Toribio, Ana Pardessus Otero, Carme Puy Rion, Carolina Panadero Paz, Sandra Lopez Suarez, Noelia Perez Marquez, Pedro A Anton Albisu

PA1694 High-flow nasal cannula therapy for acute hypercapnic respiratory failure: A randomised controlled trial
Asem Alnajada (Riyadh, Saudi Arabia), Adeel Akhtar, Ivan Pavlov, Bronagh Blackwood, Abdulmajeed Mobrad, Milind Sovani, Murali Shyamsunder

PA1695 Late Breaking Abstract - Clinical effects of Telemonitoring (TM) of patients treated with home non-invasive ventilation (HIV)
Jacek Nasilowski (Warszawa, Poland), Agnieszka Kaczmarska, Dorota Kaczmarska, Szymon Skoczyński, Przemysław Bielen, Katarzyna Przybyłowska, Katarzyna Mycroft, Piotr Jankowski, Aleksander Kania, Szymon Bialka

PA1696 Prophylactic Helmet NIV versus Facemask NIV on Extubation Success in Postextubation Patients with Preexisting Cardiac Disease: A Retrospective Cohort Study
Napat Jirawat (Bangkok, Thailand), Nappatik Kongpolprom

PA1697 High flow nasal cannula oxygen and noninvasive mechanical ventilation in management of COVID-19 patients with acute respiratory failure: a retrospective observational study
Amr Shoukri (Cairo, Egypt)

PA1698 Impact of Combined Non-Invasive Oxygenation Techniques in the Management of SARS-COV2 Pneumonia, OXY-COV
wiem lakhal (Aureville, France), Sandrine Pontier, Elise Noel-Savina

PS-6 Session 159 12:30 - 14:00
Poster session: Emerging biomarkers and methods in chronic lung diseases

Disease(s) : Respiratory critical care, Airway diseases, Interstitial lung diseases, Pulmonary vascular diseases, Thoracic oncology
Method(s) : Cell and molecular biology, Physiology, Respiratory intensive care
Tag(s) : Translational
Chairs: Olivier Burgy (Dijon, France), Namrata Kewalramani (Bern, Switzerland)

PA1699 ADAM proteases control disease severity and systemic outcome in pneumonia
Daniela Yildiz (Homburg, Germany)

PA1700 Interleukin-17 as a marker of progression of Chronic Obstructive Pulmonary Disease (COPD).
Gulechkhra Tashmetova (Tashkent, Uzbekistan), Irina Liverko

PA1701 Rheumatological syndromes with Autoimmune features in post covid setting at 24 months: Reversible, persistent and accelerated traits
Shital Vishnu Patil (Latur (Maharashtra), India), Sanidhaya Tak, Wahab Abdul Mirza, Gurmaihner Singh Theti, Arpit Johar

PA1702 Single cell transcriptome sequencing of fresh and cryopreserved bronchoalveolar lavage cells
Iryna Kolosenko (Solna, Sweden), Martina Bonatti, Nicole Wagner, Pia Lindberg, Benedikt Zöhrer, Kristina Piontkovskaya, Michael Runold, Asa Maria Wheelock

PA1703 Late Breaking Abstract - Unraveling the Role of IncRNA SYISL: A Key Regulator in Idiopathic Pulmonary Fibrosis Pathogenesis
Lan Wang (xinxiang, China), Cong Xia, Wenyu Zhao, Guoying Yu
PA1704 Genetic Diagnosis of Alpha-1 Antitrypsin Deficiency; core laboratory experience
Lourdes Osaba (Derio, Spain), Edurne Entrena, Iratxe Calahorro, Noelia Rapun, Laura Grandoso

PA1705 Evolutionary and airway specific analysis of ORMDL in smoke exposed Drosophila melanogaster larvae
Daniel Meißner (Sievershütten, Germany), Birte Ehrhardt, Jacqueline Nakel, Mario Stanke, Susanne Krauss-Etschmann

PA1706 Determinant microbiota and lauroylcarnitine mediated immune activation in checkpoint inhibitor pneumonitis
Wenyi Yu (Beijing, China), Yukun He, Ran Li, Zhancheng Gao

PA1707 The inflammatory microenvironment in ARDS patients affects the metabolism of MSCs
Abigail Warren (Galway, Ireland), Claire Masterson, Bairbre Mc Nicholas, Daniel O'Toole, Karen English, John Laffey

PA1708 The HLA-G 14 bp insertion/deletion is associated with COVID-19 severity and exercise-induced oxygen desaturation in post-COVID subjects
Ingrid Fricke-Galindo (Mexico City, Mexico), Ivette Buendía-Roldán, Paola Montoya-Angulo, Gloria Pérez-Rubio, Leslie Chávez-Galán, Ramcés Falfán-Valencia

PA1709 Identification of novel protein drug targets for respiratory diseases by integrating human plasma proteome with GWAS
Xinqian Ma (Beijing, China), Wentao Ni, Zhancheng Gao

PA1710 A breathomics database to identify, contextualise and validate biomarkers of respiratory conditions
Lara Pocock (Cambridge, United Kingdom), Wisnave Anulvasan, Owen Birch, Shane Swann, Rosalia Hazel, Simon Coplowe, Ella Mead, Steven Levett, Elizabeth Lam, Patrick Gordon, Julia Greenwood, Billy Boyle, Max Allsworth, Elizabeth Crone

PA1711 Physiomimetic lung extracellular matrix hydrogel enhances pulmonary recovery in a rat model of acute respiratory distress syndrome
Alicia Jurado (Barcelona, Spain), Anna Uldemolins, Jorge Otero, Ramon Farré, Isaac Almendros

PA1712 LSC - 2024 - Primary ciliary dyskinesia patient-specific model to study and treat ciliary dysfunction.
Tamara Paff (Rotterdam, Netherlands), Bahar Yetkin-Arik, G. Nefeli Ithakisiou, Hetty H.M. Dreyer, Bram B. Bosch, Eric G. Haarman, Karin M. De Winter-Groot, Sam Van Beuningen, Glimo D. Amatugalalim, Jeffrey M. Beekman

PA1713 Feasibility of a minimally invasive technique to collect microbiopsies from sternocleidomastoid muscle (SCM) for histological analysis in humans: preliminary results
Diego Poddighe (Wilsele, Belgium), Anke Andries, Alexandros Kalkanis, Marieke Wuyts, Karen Maes, Jeroen Meulemans, Ghislaine Gayan-Ramirez, Greet Hermans, Daniel Langer

PA1714 Development of a new breath collection method for analysing volatile organic compounds from intubated mouse models
Lara Pocock (Cambridge, United Kingdom), Alastair Taylor, Sylvia Blum, Madeleine Ball, Owen Birch, Hsuan Chou, Julia Greenwood, Shane Swann, Elizabeth Crone, Billy Boyle, Max Allsworth, Kerstin Geillinger-Kästle

PA1715 “Comprehending the role of Adipocytokines: Leptin, Visfatin, and IL-6 in Chronic Obstructive airway disease and Diabetes mellitus."
AFREEN MEHDI (LUCKNOW, India), Surya Kant, Mohd Kaleem Ahmad, Nitu Nigam, Jyoti Bajpai, Seema Singh

PA1716 The level of katG and inhA gene mutations of drug-resistant strains of Mycobacteria tuberculosis spreading in Azerbaijan
Gulzar Aliyeva (Baku, Azerbaijan), Irada Akhundova, Konul Karimova, Rafik Abuzarov, Mehriban Seyfaddinova

PA1717 Feasibility of miRNA Detection in Particles in Exhaled Air (PEXa) using a multiplexed RT-PCR Method
Martina Bonatti (Solna, Sweden), Monika Ezerskyte, Pia Lindberg, Iryna Kolosenko, Asa Maria Wheelock

PA1718 Investigating cigarette smoke-induced pathogenetic mechanisms in interstitial lung disease: A multi-omics approach
Marie Zöller (München, Germany), Christoph H. Mayr, Michal Mastalerz, Elisabeth Dick, Ashesh Chakraborty, Elisabeth Hennen, Lukas M. Simon, Juliane Merl-Pham, Aicha Jeridi, Jürgen Behr, Anne Hilgendörff, Otmar Schmid, Ali Ö. Yildirim, Stefanie M. Hauck, Herbert B. Schiller, Claudia A. Staab-Weijnitz

PS-7 Session 160 12:30 - 14:00
Poster session: Pathways unbound: molecular insights into chronic lung diseases

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

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

Tag(s): Translational

Chairs: Didier Cataldo (Liege, Belgium), Janine Gote-Schniering (Bern, Switzerland)
PA1719  Cannabinoid CB1 receptor and its endogenous lipid mediator 2-AG alleviates severity in a pancreatitis-associated lung injury mouse model
Paula Goncalves Romeu (Badalona, Spain), Enrique De Madaria, Karina Cárdenas-Jaen, Irene Aldás, Marina Galdeano, Toni Marin, Mónica Matute, Daniel Closa, Raquel Guillamat Prats

PA1720  Doublecortin-like Kinase 1 highly expressed CD14 monocytes mediates lipopolysaccharide-induced NF-κB activation and acute lung injury
Pei-Yun Lin (Taipei City, Taiwan), Chia-Ling Chen

PA1721  PAFR and ICAM-1 expression increases in patients with IPF: implications for microbial pathogenesis
Wenying Lu (Newnham, Australia), Aftan M Shahzad, Sarajit Dey, Prem Bhattacharai, Archana V Gaikwad, Jade Jaffar, Glen Westall, Darren Sutherland, Gurpreet Kaur Singhera, Tillie-Louise Hackett, Mathew S Eafen, Sukhwinder Singh Sohal

PA1722  The role of neutrophil extracellular traps in the pathogenesis of elastase-induced emphysema in mice
Megumi Katsumata (Chiba-city, Japan), Jun Ikari, Akira Urano, Eiko Suzuki, Koichiro Tatsumi, Takuji Suzuki

PA1723  Co-expression of matrix metalloproteinase-7 and cellular senescence markers in fibrosing interstitial lung diseases
Fernanda Ines Hernandez Gonzalez (Barcelona, Spain), Daniel Martinez, Tamara Cruz, Nuria Mendoza, Sandra Casas-Recaens, Alejandro Frino-Garcia, Nancy Perez-Rodas, Xavier Alsina-Restoy, Gemma Lopez-Saiz, Ana Maria Medina, Federico Pietrocola, Alvar Agusti, Mauricio Rojas, Manuel Serrano, Rosa Faner, Jacobo Sellares

PA1724  Increased pulmonary expression of P2Y6 receptor and right ventricle hypertrophy in a COPD murine model
Andrea Méndez (Santiago, Chile), Marcelo Fonseca, Joan Orellana, Alejandro Fernández-Moya, Mauricio Henríquez

PA1725  Brain-derived neurotrophic factor (BDNF)-TrkB signaling regulates alveolar epithelial type 2 (AT2) cell survival and is reduced in hyperoxia-induced neonatal lung injury.
Centina Kuiper-Makris (Cologne, Germany), Luise Fahle, Christina Vohlen, Oleksiy Klymenko, Stephanie Stefan, Gabriela Riederer, Dharmesh Hirani, Jörg Dötsch, Miguel Alcàzar

PA1726  Role of miRNA-191-5p within extracellular vesicles in lung inflammation
Roberta Gaeta (Pisa, Italy), Tommaso Neri, Sara Carpi, Beatrice Polini, Erica Bazzan, Dario Nieri, Alessandro Celi

PA1727  Airway epithelial-mesenchymal-transition and vascular changes in patients with asthma-COPD overlap (ACO)
Wenying Lu (Newnham, Australia), Sarajit Dey, Greg Haug, Heinrich C Webber, Prabuddha S Pathinayake, Peter A. B. Wark, Mathew S Eafen, Sukhwinder Singh Sohal

PA1728  Peroxisiredoxin 6 enhances PINK1 phosphorylation to activate mitophagy to protect acute lung injury.
Xiaocen Wang (Shanghai, China), Tingting Wei, Ke Lang, Xinyi Ning, Yuanlin Song, Dong Yang

PA1729  THBS1 in cell-cell communication routes of human lung fibrosis and regeneration
Sara Asgharpour (Munich, Germany), Aicha Jeridi, Michael Gerckens, Niklas Jonathan Lang, Janine Gote-Schniering, Mareike Lehmann, Thomas Mark Conlon, Diana Porras Gonzalez, M. Camila Melo-Narvaez, Carola Voss, Roxana Maria Wasnick, Herbert Schiller, Ali Oender Yildirim, Gerald Burgstaller

PA1730  Reduction of anxious and aversive behavior to allergen in mice with allergic lung inflammation and treated with angiotensin-(1-7).
Giselle Magalhães (Belo Horizonte, Brazil), Maria Gloria Rodrigues Machado, Juliana F. Gregório, Ana Flavia Almeida-Santos, Kezia Gonzaga, Luciola S. Barcelos, Robson Augusto S. Santos, Maria Jose Campagnole-Santos

PA1731  Exploring the Role of WISP1 in Redox Homeostasis in COPD
Maria ELPida Christopoulou (Freiburg im Breisgau, Germany), Eleni Papakonstantinou, Charikleia Ntenti, Gernot Zissel, Daiana Stolz

PA1732  The IL-17 neutralizing antibody treatment reverses the inflammatory response mediated by Th17 cells and alveolar enlargement in an experimental model of chronic obstructive pulmonary disease (COPD)
Alyne Riani Moreira (maua, Brazil), Leticia Mattos, Camila Uchoa, Veronica Camargo Berti, Francine Almeida, Juliana Ito-Uchoa, Alex Silva, Franciele Lima, Cintia Silva, Suellen Bezerra, Iolanda Tiberio, Fernanda Degobbi Tenorio Quirino dos Santos Lopes

PA1733  α1-Antitrypsin regulates CXCR2 surface expression in human neutrophils via IL-8 release and expression
Kokilavani Sivaraman (Hannover, Germany), Joanna Chorostowska-Wynimko, Urszula Lechowicz, Wenzhang Si, Tobias Welte, Sabina Janciauskiene

PA1734  Runx1 promotes pulmonary fibrosis through fibroblasts differentiation and senescence
Faping Wang (Chengdu (Sichuan), China), Jia Liu, Xin Tian, Yutian Lai, Fengming Luo

PA1735  G-protein coupled receptor (GPR)55 Deficiency on Neutrophil Function: Attenuation of Inflammation in an Acute Lung Injury Mouse Model of Infection
Raquel Guillamat Prats (Badalona, Spain), Paula Goncalves-Romeu, Guo Li, George Shakir, Mónica Matute, Toni Marin, Marina Galdeano, Irene Aldás, Sabine Steffens
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<td>PA1736</td>
<td>Pro-fibrotic role of miR-21 and its modulation in Precision Cut Lung Slices model</td>
<td>Sara Bozzini (Pavia, Italy), Eleonora Bozza, Cecilia Bagnera, Giulio Melloni, Guido Baietto, Vincenzo Sanci, Giuseppina Ferrario, Frediano Inzani, Federica Meloni</td>
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<td>PA1737</td>
<td>PPAR-alpha activation suppresses the TGF-b-induced profibrotic response in lung IPF fibroblasts</td>
<td>Gani Oruqaj (Gießen, Germany), Learta Pervizaj-Oruqaj, Andreas Günther, Susanne Herold, Wei Shi, Eveline Baumgart-Vogt</td>
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**PS-8** | **Session 161** | **12:30 - 14:00**

**Poster session: Different tools and predictive models for the diagnosis/screening of obstructive sleep apnoea**

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<td>PA1738</td>
<td>Application of the STOP-BANG Questionnaire with a Modified Scoring Model on Detection of Undiagnosed Obstructive Sleep Apnea</td>
<td>Ophelia Lam Hin Shek (Shatin, Hong Kong), CHI YUEN YIP, Chi Kai Chow, Lam Hin Shek, Mo Lin Wong</td>
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<td>PA1739</td>
<td>Morning headaches as a specific OSA characteristic in a large sleep clinic population</td>
<td>Athanasia Patakia (Thessaloniki, Greece), Serafim Chrysovalantis Kotoulas, Asterios Tzinas, Aliki Karkala, Giannis Beis, Anastasia Argyropoulou, Evdokia Sourla, George Kalamaras</td>
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<td>PA1740</td>
<td>Scalloped tongue: a clinical sign of severe obstructive sleep apnea?</td>
<td>Francisca Trigueiros Pinçao Nieto Guimarães (Lisboa, Portugal), Joana Canadas, Maria Cunha, Vera Durão, Paula Rosa, Flávio Magalhães</td>
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<td>PA1741</td>
<td>Prevalence and characteristics of OSA patients with sawtooth sign in spirometry</td>
<td>Mahdi Martani (Constantine, Algeria), Mohamed Kheireddine Bourahli, Safia Brihi, Mohamed Bougrida</td>
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<td>PA1742</td>
<td>APP.nee: a digital tool for obstructive sleep apnoea screening</td>
<td>Luca Roberti (Rome, Italy), Luigi Carrocio, Carmelo Causarano, Matteo Siciliano, Giuseppe Insalaco</td>
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<td>PA1743</td>
<td>A diagnostic algorithm for obstructive sleep apnea in primary care</td>
<td>Lidia Zamudio Domingo (BANYOLES, Spain), Eric Rojas-Calvera, Anton Obrador Legarés, Anna Torrente Nieto, Carmen Vargas Arévalo, Judith Pinsach Garanger, Daniela Torres Scianca, Gerard Muñoz Castro, Marc Bonnin Vilaplana, Ramor Orriols Martínez</td>
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<td>PA1744</td>
<td>Comparison of the WatchPAT device with Polysomnography and Home Limited Sleep Studies for the Diagnosis of Obstructive Sleep Apnoea.</td>
<td>Christina D. Campbell (Dublin 6, Ireland), Ben Mc Ginn, Thomas Kane, Margaret Gleeson, Padhraic Ridge, Ross Morgan, Emmet O'Brien, Richard Costello, Daniel Ryan, Imran Sulaiman</td>
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<td>PA1745</td>
<td>Diagnosis of neurological and respiratory sleep disorders using home-video-PSG: preliminary results in 325 patients</td>
<td>Giulia Rimaudo (Palermo, Italy), Chiara Cilona, Giuseppe Di Liberto, Vincenzo Di Stefano, Cesare Gagliardo, Filippo Brighina, Marisa Bonsignore, Andrea Gagliardi</td>
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<td>PA1746</td>
<td>Construction and evaluation of a predictive model for the types of respiratory events in patients with OSA based on hypoxic parameters</td>
<td>Cheng Peng (Tianjin, China)</td>
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<td>PA1747</td>
<td>Changes in physiological entropy signals in patient with obstructive sleep apnoea: a systematic review</td>
<td>Nawal Alotaibi (London, United Kingdom), Maggie Cheung, John Hurst, Alireza Mani, Swapna Mandal</td>
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<td>PA1748</td>
<td>Hypoxic burden as diagnostic indicator of obstructive sleep apnea</td>
<td>Javier Romero Lopez (Sevilla, Spain), Jaime Domínguez Caro, Jessica Hilares Vera, Ana Belén Rodríguez Gómez, Gloria Toledo Muñoz-Cobo</td>
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<td>PA1749</td>
<td>Hypoxic burden combination model in screening low-ArTH subtype of obstructive sleep apnea</td>
<td>Yi Wang (Shanghai, China), Qingyun Li</td>
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<td>PA1750</td>
<td>Diagnostic performance of a Doppler radar-based sleep apnoea testing device</td>
<td>Jonathan Röcken (Basel, Switzerland), Andrei M. Darie, Claire E. Dexter, Leticia Grize, Michael Tamm, Daiana Stolz</td>
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PA1751 Non-contact monitoring of respiratory rate including sleep apnea using millimeter wave radar.
Kazuo Chin (H. B. Jin) (Tokyo, Japan), Shigeaki Okumura, Daisuke Endo, Tatsuya Ito, Mamiko Hoshi, Yutaka Kozu, Hirosho Sunadome, Kimihiko Murase, Susumu Sato, Toyohiro Hirai, Yasuhiro Gon, Takuya Sakamoto, Hirofumi Taki, Toshiki Akahoshi

PA1752 The utility of visceral fat area for screening nocturnal hypoxemia in non-obese subjects
Pei Yi Shen (Taichung, Taiwan), Tung-Chuan Liu, Ming-Feng Wu, Wei-Chang Huang

PA1753 Spontaneous brain activity in obstructive sleep sleep apnea with excessive daytime sleepiness
Yuanfeng Sun (Chengdu, China), Xiangdong Tang

PA1754 Light, latitude and Epworth Sleepiness Scale in the European Sleep Apnea database - a daring proposal
Holger Hein (Reinbek, Germany), Sebastien Bailly, Ding Zou, Marisa Bonsignore, Richard Staats, Ludger Grote

PA1755 Differences of daytime sleepiness among subjects with obesity.
Harpa Arnardottir (Akureyri, Iceland), Thorarinn Gislason, Gudjon Kristjansson

PA1756 Obstructive positional sleep apnea. Prevalence and characteristics.
Karla Margarita Cordero Camañ (Valladolid (Valladolid), Spain), Claudia Beigveder Durante, Carmen Ainhoa Arroyo Domingo, Fernando Gil Diez, Angela Alvarez Suarez, Tomas Ruiz Albi, Daniel Alvarez Gonzalez, Fernando Moreno Torrero, Gonzalo Gutierrez Tobal, Fernando Vaquezio Villar, Roberto Hornero Sanchez, Felix Del Campo Matias

PA1757 The clinical significance of REM-predominant obstructive sleep apnea: a retrospective observational study
Shauni Wellekens (Aalst, Belgium), Eef Vanderhelst, Sonia De Weerd

PS-9 Session 162 12:30 - 14:00
Poster session: Comorbidities in chronic obstructive pulmonary disease and asthma

Disease(s) : Airway diseases Thoracic oncology Pulmonary vascular diseases
Method(s) : Pulmonary function testing General respiratory patient care Epidemiology Public health Palliative care Respiratory intensive care Cell and molecular biology Physiology
Tag(s) : Clinical

Chairs : Morten Hvidtfeldt (Lejre, Denmark), Zuzana Diamant (Lund, Sweden)

PA1758 Atrial fibrillation in hospitalized patients with exacerbation of COPD: prevalence and associated factors
Zichen Ji (Madrid, Spain), Javier De Miguel-Diez, Ana Lopez-De-Andres, Jose Javier Zamorano-Leon, Cristhian Alonso Correa-Gutierrez, Cristina Sanchez-Fernandez, Gabriella Manzanares-Cavin, Rodrigo Jimenez-Garcia

PA1759 Tumor prevalence in a cohort of ambulatory COPD patients.
Luis Asencio Monteagudo (Sevilla, Spain), Virginia Almandana Pacheco, Maria Del Mar Ignacio Exposito, Carmen Amezcuas Sanchez

PA1760 Major adverse cardiovascular events in a real-life COPD patient population
Naomi Michotte (Overijse, Belgium), Shane Hanon, Sylvia Verbanck, Eef Vanderhelst

PA1761 Impact of co-morbid Heart Failure on health outcomes following hospitalization for AECOPD
Kahir Rahemtulla (Edmonton, Canada), Grace Lam, Chuan Wen, Subhabrata Moitra, Michael Stickland, Jason Weatherald, Mohit Bhutani

PA1762 Severity of hospitalised COPD exacerbations and risk of cardiovascular events: a case-crossover study in France
Maeva Zysman (cabanac et villagrains, France), Clementine Nordon, Nolwenn Poccardi, Caroline Fabry-Vendrand, Kirsty Rhodes, Amayelle Rey, Oriiane Brelin, Cedric Collin, Victor Aboyans

PA1763 Heterogeneity of comorbidities captured by European national severe asthma registries in SHARP CRC

PA1764 A multi-disciplinary team (MDT) approach to improve adherence to inhaled corticosteroids (ICS) and severe asthma management
Mohammed Almutairi (Birmingham, United Kingdom), John Marriott, Zahraa Jalal, Hanan Hussein, Lisa White, Sharron Gilbay, Baljit Ahitan, Adel Mansur

PA1765 Potential hematopoietic effects of SGLT2 inhibitors in patients with cardiac amyloidosis.
Nikita Ermolaev (Vienna, Austria), Robin Willixhofer, Christina Kronberger, Rene Retzl, Christina Binder, Franz Duca, Christian Nitsche, Andreas Kammerlander, Michael Poledniczek, Bernhard Gregshammer, Diana Ahmadi-Fazel, Johannes Kastner, Jutta Bergler-Klein, Roza Baddr Eslam
Mental health disease in patients with severe asthma: a problem overlooked
Joseph Durrant (London, United Kingdom), Robert Stone, Rebecca Annis, Ferdia Brennan

Comorbidities and mortality in relation to asthma severity and exacerbations.
Arja Viinanen (Paimio, Finland), Anton Klævus, Helga Olsen, Annina Lyly, Mariann I Lassenius, Hannu Kankaanranta, Lauri Lehtimäki

C0morb1d Asthma and Allergic Rhinitis: Clinicians' EXPerience and ASsessment (CO-EXIST) Survey in Myanmar
Thi ha (Yangon, Myanmar), Aniruddha Mukhopadhyay, Vaibhav Gaur, Jaideep Gogtay

Combined response to biologics in patients with T2 severe asthma and chronic rhinosinusitis with nasal polyps
Irene Pomerio (Torino, Italy), Chiara Gollinucci, Giuseppe Guida, Stefano Pizzimenti, Stefano Levra, Vitina Carriero, Francesca Bertolini, Elisa Arrigo, Gianluca Fadda, Chiara Rustichelli, Fabio Luigi Massimo Ricciardolo

Dual response to Dupilumab in patients with severe asthma and nasal polyposis
Cristina Bellver (Barcelona, Spain), Mireia Gollet, Xavier González, Anna Penella, Alejandro Portillo, Héctor Cabrерizo, Núria Padullés, Laura Mejía, Salud Santos, MaríAna Muñoz-Esquerre

Dexamethasone prophylaxis in sex-based respiratory complications under acute hypobaric hypoxia
Qadar Pasha (New Delhi (Delhi), India), Kavita Sharma, Neha Chhabra, Tsêring Palmo, Rahul Kumar, Bhushan Shah, Mohit Gupta, Tashi Thinlas, Brian Graham

Biologic agents in idiopathic hypereosinophilic syndrome: a 4-year-follow up in a case series
Ourania Papaioannou (Patras, Greece), Theodoros Karampitsakos, Electra Koulousousa, Panagiota Tsiri, Eva Theochari, Vasiliki Sotiropoulou, Georgios Tsi riftos, Ioannis Christopoulos, Dimitrios Komninós, Alexandre Pandi, Matthais Katsaras, Vassiliki Georgioupolou, Dionysis Papalexatos, Fotios Sampsonos, Argyrios TzouvelekiS

Vitamin D and B12 supplementation in patients with COPD: a cohort study
Efthymia Papadopoulou (Thessaloniki, Greece), Konstantina Papadopoulou, Mariani Moyseos, Christos Chatzis, Rena Okonomidou, Dimitrios Karanasios, Stavros Tryfon

Efficacy of Benralizumab in eosinophilic granulomatosis with polyangiitis in real life setting
Alida Benfante (Palermo (PA), Italy), Maria Noemi Cicero, Riccardo Messina, Nunzia Cannizzaro, Alessia Leonarda Lisotta, Dario Bartolo Macaluso, Stefania Principe, Nicola Scichilone

Biologics suppresses asthma exacerbation in patients with allergic bronchopulmonary mycosis (ABPM)
Yuto Motobayashi (Yokohama, Japan), Nami Masumoto, Kosuke Terada, Yuka Kodama, Yu ga Yamashita, Hinako Masumitsu, Takeshi Kaneko, Naomi Tsurikisawa

No infection risk with alvelestat in patients with AATD in two phase 2 trials.
Adzoe Ekue (London, United Kingdom), Jacqueline Parkin, James Fettiplace

Efficacy and safety of roflumilast in bronchiectasis patients: a cross-over, double-blinded placebo-controlled trial
Blenda Nunes Endlich (São Paulo (SP), Brazil), Samia Rached, Regina Carvalho-Pinto, Thais Figueiredo, Milena Accacio, Alberto Cukier, Rodrigo Athanazio

12:45-13:45
INDUSTRY LUNCHTIME SYMPOSIUM

State of the art session: Interstitial lung diseases
Pitfalls in clinical trials in idiopathic pulmonary fibrosis

Aims: To focus on understanding the lessons learned from the failed trials and how drug development can be improved for IPF; to present novel endpoints different from forced vital capacity decline.

Disease(s): Interstitial lung diseases
Method(s): General respiratory patient care
Tag(s): Clinical

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

Chairs: Antoine Froidure (Bruxelles, Belgium), Marlies S. Wijsenbeek (Rotterdam, Netherlands), Katerina Antoniou (Heraklion, Greece)

13:45 Failed idiopathic pulmonary fibrosis trials: lessons learned
Luca Richeldi (Rome, Italy)

1807
**C2 Session 169 13:45 - 14:30**

Guidelines session: Symptom management for adults with serious respiratory illness

**European Respiratory Society clinical practice guideline**

**Aims**: To discuss the newly published European Respiratory Society guideline on symptom management for adults with serious respiratory illness; to highlight recommendations for management of breathlessness, fatigue and cough in adults with serious respiratory illness; to provide practical guidance for health professionals on managing symptoms in adults with serious respiratory illness.

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

**Method(s)**: General respiratory patient care, Palliative care, Pulmonary rehabilitation

**Tag(s)**: Clinical

**Target audience**: Adult pulmonologist/Clinician, General practitioner, Nurse, Patient, Respiratory physiotherapist, Respiratory therapist

**Chairs**: Raquel Duarte (Porto, Portugal), James D. Chalmers (Dundee (Angus), United Kingdom)

13:45  **Patient's perspective**

13:50  **Recommendations for symptom management in people with serious respiratory illness**
Anne Holland (Fitzroy North (VIC), Australia)

14:05  **Should opioids be used to reduce symptoms in people with serious respiratory illness?**
Natasha Smallwood (Melbourne (VIC), Australia)

14:20  **Discussion and Q&A**
All Speakers

**C5 Session 170 13:45 - 15:15**

Symposium: Obstructive sleep apnoea and vascular injury: what we know and where we are going

**Aims**: To discuss pathophysiological mechanisms and novel markers of the vascular sequelae of obstructive sleep apnoea (OSA) in different vascular beds and different populations including children.

**Disease(s)**: Paediatric respiratory diseases, Sleep and breathing disorders

**Method(s)**: General respiratory patient care, Physiology

**Tag(s)**: Clinical, Translational

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

**Chairs**: Henri Korkalainen (Kuopio, Finland), Athanasia Pataka (Thessaloniki, Greece), Dries Testelmans (Leuven, Belgium)

13:45  **How can obstructive sleep apnoea lead to vascular injury?**
Silke Ryan (Dublin, Ireland)

14:00  **Surrogate markers of vascular injury and cardiovascular autonomic stress in obstructive sleep apnoea**
Manuel Sanchez De La Torre (Toledo, Spain)

14:15  **Consequences of obstructive sleep apnoea on the cerebrovascular bed and effect of obstructive sleep apnoea therapy on stroke risk**
Esther Irene Schwarz (Zürich, Switzerland)

14:30  **Elevated blood pressure in otherwise healthy children with obstructive sleep apnoea and the effects of adenotonsillectomy: the jury is still out**
Athanasios G. Kaditis (Athens, Greece)

14:45  **Discussion and Q&A**
All Speakers
### Session 171 13:45 - 15:15

**Hot topics: Imaging for precision treatment in obstructive lung diseases: ready for prime time?**

**Aims:**
- To highlight how novel imaging tools have changed diagnosis, management and prognosis in different fields of respiratory disease.
- To explain the added value for prognosis and management when imaging tools are powered by artificial intelligence.
- To demonstrate opportunities to progress the role of imaging to prime time in precision management of people with respiratory diseases.
- To outline opportunities for use of imaging tools to drive regulatory and clinical development.

**Disease(s):** Airway diseases

**Method(s):**
- Endoscopy and interventional pulmonology
- Imaging
- Physiology

**Tag(s):** Congress theme: Humans and Machines: getting the balance right

**Target audience:**
- Adult pulmonologist/Clinician
- Clinical researcher
- Patient
- Physician in Pulmonary Training
- Physiologist
- Radiologist
- Thoracic surgeon

**Chairs:**
- Gabor Kovacs (Graz, Austria)
- Judith Lößler-Ragg (Innsbruck, Austria)
- Ádám Domonkos Tárnoki (Budapest, Hungary)

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<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Reference</th>
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<tbody>
<tr>
<td>13:45</td>
<td>Imaging in identification of the COPD comorbidome</td>
<td>Juan Pablo de Torres Tajes (Zizur Mayor, Spain)</td>
<td>1821</td>
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<tr>
<td>14:00</td>
<td>Patterns of 129Xe MRI respiratory dysfunction in people with obstructive lung diseases in NOVELTY</td>
<td>Helen Marshall (Sheffield (South Yorkshire), United Kingdom)</td>
<td>1822</td>
</tr>
<tr>
<td>14:15</td>
<td>Identify and scoring mucus plugs with chest CT: is there a place for AI</td>
<td>Arnaud Bourdin (Montpellier Cedex 5, France)</td>
<td>1823</td>
</tr>
<tr>
<td>14:30</td>
<td>Imaging for selection of COPD patients for lung volume reduction</td>
<td>Dirk-Jan Slebos (Groningen, Netherlands)</td>
<td>1824</td>
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<tr>
<td>14:45</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
<td>1825</td>
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### Session 172 13:45 - 15:15

**State of the art session: Thoracic oncology**

**Aims:**
- To describe essential criteria to decide the best personalised treatment options in early-stage non-small cell lung cancer (NSCLC).
- To describe the indications and applications of robotic bronchoscopy in the diagnosis and management of early-stage NSCLC.
- To explain the indications for neoadjuvant treatment at stage IB/IIA and adjuvant treatment at stage I and to describe the identification of potential candidates.
- To describe the impact of chemo/immunotherapy on the type of surgical resection and subsequent surgical events.
- To identify associations with surgical outcomes.

**Disease(s):** Thoracic oncology

**Method(s):**
- Imaging
- Surgery

**Tag(s):** Clinical

**Target audience:**
- Adult pulmonologist/Clinician
- Clinical researcher
- General practitioner
- Medical Student
- Medical Technical Assistant
- Nurse
- Pathologist
- Patient
- Physician in Pulmonary Training
- Radiologist
- Scientist (basic, translational)
- Thoracic oncologist
- Thoracic surgeon
- Journalist

**Chairs:**
- Najib M. Rahman (ABINGDON, United Kingdom)
- Didier Schneiter (Zürich, Switzerland)
- Maria Joana Pereira Catarata (Porto, Portugal)

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<tbody>
<tr>
<td>13:45</td>
<td>The modern endoscopic approach for lung cancer</td>
<td>Niral Patel (La Jolla, United States)</td>
<td>1826</td>
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<tr>
<td>14:00</td>
<td>Neoadjuvant treatment in stage IB/IIA. Who, when, why?</td>
<td>Jacques Cadranel (Paris Cedex 20, France)</td>
<td>1827</td>
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<tr>
<td>14:15</td>
<td>Neoadjuvant chemo-/immunotherapy and subsequent surgical approach and outcomes: the surgeon’s view</td>
<td>Alessandro Brunelli (Leeds (West Yorkshire), United Kingdom)</td>
<td>1828</td>
</tr>
<tr>
<td>14:30</td>
<td>State-of-the-art molecular diagnostics in lung cancer for the pulmonologist</td>
<td>Joanna Chorostowska-Wynimko (Warsaw, Poland)</td>
<td>1829</td>
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<tr>
<td>14:45</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
<td>1830</td>
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**Session 173**

**Symposium: Smoking in patients with obstructive airway diseases: a challenge beyond chronic obstructive pulmonary disease**

**Aims:** To understand the importance of smoking cessation as an integral part of every service for patients of pulmonary physicians; to highlight tobacco cessation in adolescence as a complex and ongoing process that should involve various stakeholders, including schools, healthcare providers, parents and the community, to create a comprehensive strategy for success.

**Disease(s):** Airway diseases

**Method(s):** Epidemiology, Public health

**Tag(s):** Clinical, Translational, Congress theme: Humans and Machines: getting the balance right

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

**Chairs:** Ane Johannessen (Bergen, Norway), Apostolos Bossios (Stockholm, Sweden), Howraman Meteran (Hvidovre, Denmark)

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<th>Time</th>
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<tr>
<td>13:45</td>
<td>Patient's perspective</td>
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<td>13:50</td>
<td>Smoking among adolescents: facts on data</td>
<td>Stamatoula Tsikrika (Athens, Greece)</td>
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<td>14:05</td>
<td>Cellular mechanisms and structural changes associated with cigarette smoking in asthma: impact of smoking on asthma inflammatory phenotypes</td>
<td>Guy Brusselle (Ghent, Belgium)</td>
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<td>14:20</td>
<td>Smoking before and after COPD diagnosis</td>
<td>Aslı Görek Dilektaşlı (Bursa, Turkey)</td>
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<td>14:35</td>
<td>Impact of smoking on treatment response: reduced efficacy of inhaled corticosteroids and biologicals?</td>
<td>Marco Idzko (Wien, Austria)</td>
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<td>14:50</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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**Session 174**

**Mini symposium: End-of-life care in non-cancer conditions**

**Aims:** To describe an evidence-based approach to end-of-life issues in different diseases and situations.

**Disease(s):** Interstitial lung diseases, Respiratory critical care, Respiratory infections

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

**Tag(s):** Clinical

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

**Chairs:** Marieke L. Duiverman (Groningen, Netherlands), Christian Karagiannidis (Cologne, Germany)

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<th>Time</th>
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<tr>
<td>13:45</td>
<td>End-of-life care in motor neuron disease</td>
<td>Speaker to be confirmed</td>
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<tr>
<td>14:00</td>
<td>End-of-life care in interstitial lung disease: worth treating exacerbation?</td>
<td>Claudia Valenzuela (Madrid, Spain)</td>
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<tr>
<td>14:15</td>
<td>Long-term invasive mechanical ventilation in COPD and beyond: opportunities and limits</td>
<td>Anita Simonds (London, United Kingdom)</td>
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<td>14:30</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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**INDUSTRY SKILLS LAB WORKSHOP**

**Session 177**

Skills lab: Performing and interpreting pulmonary function tests in children
Aims: To present and discuss videos on three pulmonary function tests (nasal nitric oxide, multiple breath washout and oscillometry); to focus on important issues with the techniques and measurements; to explain how to interpret the results in children.

Disease(s): Paediatric respiratory diseases

Method(s): Epidemiology  Physiology  Pulmonary function testing

Tag(s): Clinical

Target audience: Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Medical Technical Assistant, Paediatrician, Patient in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist

Chairs: Nicole Beydon (Paris, France)

14:00  Introduction  All Speakers  1843

14:05  Performing and interpreting nasal nitric oxide measurements  Emma Fettes (London, United Kingdom)  1844

14:20  Performing and interpreting multiple breath washout in children  Speaker to be confirmed  1845

14:35  Performing and interpreting oscillometry in children  Enrico Lombardi (Florence, Italy)  1846

A1  Session 178  14:15 - 15:30

Oral presentation: Inflammation and new insights into cystic fibrosis

Disease(s): Airway diseases

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

Tag(s): Clinical

Chairs: Oded Breuer (Jerusalem, Israel), Chair to be confirmed

OA1848  Neutrophil elastase and myeloperoxidase in airway extracellular vesicles of cystic fibrosis children during pulmonary exacerbations  Elad Ben-Meir (Shoham, Israel), Lina Antounians, Shafinaz Eisha, Felix Ratjen, Augusto Zani, Hartmut Grasemann

OA1849  Effectiveness of eluxacaftor/tezacaftor/ivacaftor (ETI) on oxidative stress in patients with cystic fibrosis.  Giuseppe Fabio Parisi (Catania (CT), Italy), Evelina Moliteo, Maria Papale, Giulia Pecora, Novella Rotolo, Salvatore Leonardi

OA1850  The role of peristin in cystic fibrosis and severity of disease in children with cystic fibrosis  Tuğba Şişmanlar Eyuboglu (Ankara, Turkey), Aleyna Sever, Harun Mamac, Kubranur Unal, Leyla Ibrahimkanlı, Volkan Medeni

OA1851  Does the highly effective modulator therapy influence airway inflammation in people with cystic fibrosis?  Irena Wojsyk-Banaszak (Poznan, Poland), Paulina Famulska, Beata Narożna, Katarzyna Tąpolska-Jóźwiak, Zuzanna Stachowiak, Marta Osiońska, Aleksandra Szczepankiewicz, Anna Wiesner, Aleksandra Szczepankiewicz

OA1852  Impact of the Lung Clearance Index on clinical decision-making in children with cystic fibrosis  Lucy Perrem (Toronto (ON), Canada), Sanja Stanojevic, Stephanie Jeanneret-Manning, Stephanie D Davis, Margaret Rosenfeld, Felix Ratjen

OA1853  Ventilation distribution efficiency or lung clearance index: Does it matter?  Christine Sachs Olsen (Oslo, Norway), Michelle Shaw, Renee Jensen, Sanja Stanojevic, Felix A. Ratjen

OA1854  Our new stethoscope LUS, with a new scoring system, in CF lung disease  Sule Selin Akyan Soydaş (ANKARA, Turkey), Sati Özkan Tabakçı, Işıl Bilgiç, Meltem Kurtul Çakar, Gamze Akça Dinç, Bahar Ece Tokdemir, Hande Yetişgin, Çelebi Yıldırım, Gökşen Dilșa Tuğcu, Sanem Eryılmaz Polat, Dilber Ademhan Tural, Avni Merter Keleşeci, Güzin Cinel

OA1855  Does Lactobacillus Reuteri affect Spirometry Parameters in Cystic Fibrosis patients?  Seyedeh Zalfa Modarresi (Tehran, Islamic Republic of Iran), Seyed Ahmad Tabatabai, Ghamartaj Khanbabaee, Saeed Sadr, Nazamin Farabhaksh, Matin Pourghasem, Mahmoud Hajipour

OA1856  Beta-adrenergic sweat test in challenging cystic fibrosis diagnosis.  Mairead Kelly-Aubert (Paris, France), Clémence Martin, Arnaud Schweitzer-Chaput, Manuel Niertert, Emmanuelle Girodon, Isabelle Sermet-Gaudelus, Thao Nguyen-Khoa

OA1857  Discussion and Q&A  All Speakers
Session 179  
14:15 - 15:30  
Oral presentation: Best European Respiratory Society research from a primary care perspective

Disease(s): Airway diseases  Interstitial lung diseases  
Method(s): Public health  Epidemiology  Cell and molecular biology  General respiratory patient care  
Tag(s): Clinical  
Chairs: Hilary Pinnock (Edinburgh, United Kingdom)  

Late Breaking Abstract - SPIROmetry interpretation in primary care with or without Artificial Intelligence Decision support software (SPIRO-AID)  
Gillian Doe (Leicester, United Kingdom), Ethaar El-Emir, George Edwards, Marko Topalovic, Rachael A Evans, Richard Russell, Karl P Sylvester, Karolien Van Orshoven, Elena Smets, Anthony P Sunjaya, David A Scott, A Toby Prevost, Stephanie Jc Taylor, Nick S Hopkinson, Samantha S Kon, Ian Jarrold, Nannette Spain, Winston Banya, William D-C Man

Overlap of treatable traits in asthma and COPD in Dutch primary care  
Lars Dijk (Groningen, Netherlands), Marjan Kerkhof, Merijn Driessen, Yoran Gerritsma, Thys Van Der Molen, Ian Pavad, Ronald Meijer, Huib Kerstjens, Janwillem Kocks

A novel COPD anticipatory care service (CACS) to optimize high-risk population and alleviate winter pressures.  
Kay Roy (London, United Kingdom), Raj Gill, Yasmin Abdi, Sarah Farooqi, Rebecca Maynard

Exploring the Link between Social Support and Patient-Reported Outcomes in COPD Patients: A Cross-Sectional Study in Primary Care  
Izolde Bouloukaki (Heraklion (Crete), Greece), Antonios Christodoulakis, Katerina Margetaki, Antonia Aravantinou Karlatou, Ioanna Tsiligianni

Assessment of neutrophils and lymphocytes ratio (NLR) association with mortality in acute COPD exacerbation  
Julio Cesar de Oliveira (Botucatu, Brazil), Bruno Déo De Oliveira, Juliana Rocha Chiappetto, Thomaz Vargas, Luis Maurício Batalin Jr., Bruno De Mattos Freire, Gabriella Gomes De Carvalho, Diane Rezende Batista, Robson Prudente, Suzana Erico Tinni

Reference values for blood eosinophil counts in a population-representative adult sample  
Reshed Abohalaka (Göteborg, Sweden), Selin Ercan, Lauri Lehtimäki, Salihah Selin Özyuygur Ermis, Daniil Lisik, Mwada Bashir Awad Bashir, Radhika Jadhav, Linda Ekerljung, Göran Wennegren, Jan Lötvarl, Teet Pullerits, Helena Backman, Madeleine Rådinger, Bright I. Nwaru, Hannu Kankaanranta

Culturally secure strategies for treating child chronic wet cough  
Gloria Lau (Manning, Australia), Pam Laird, Robyn Aitken, Melanie Barwick, Gabrielle McCallum, Peter Morris, Richard Norman, Maree Toombs, Roz Walker, Anne Chang, André Schultz, On Behalf Of The Apple Investigator Group

Use of standardised pathway times to improve timely care in ILD and what waiting times are acceptable to ILD patients  
Max Haupt (Manchester, United Kingdom), Sian McIntont, Jenna Swale, Holly Montgomery, Helen Morris, Cristina Avram

AZD4604 PK assessment using finger-prick microsampling  
camille riff (Gothenburg, Sweden), Davinder P S Dosanjh, Maria Heijer, Julia Larsson, Zala Jevnikar, Pablo Forte Soto, Laila Ahmed, Kyriakos V Konstantinidis, Tina Jellesmark Jensen, Rod Hughes

Clinical validation of Swaasa® artificial intelligence platform using cough sounds for screening and diagnosis of respiratory diseases  
Balamugesh Thangakunam (Vellore (Tamil Nadu), India), Sujith Chandy, D J Christopher, Narayana Rao Sripada, Charishma Gopipilla, Gowrisree Rudraraju, Kripa Rasquinha, Prasanna Samuel

Discussion and Q&A  
All Speakers

Session 180  
14:15 - 15:30  
Oral presentation: Novel aspects in pulmonary hypertension

Disease(s): Interstitial lung diseases  Pulmonary vascular diseases  
Method(s): Imaging  Physiology  Cell and molecular biology  General respiratory patient care  Pulmonary rehabilitation  
Tag(s): Translational  
Chairs: Jurjan Aman (Amsterdam, Netherlands), Laura Price (London, United Kingdom)
Late Breaking Abstract - SGLT2 promotes endothelial dysfunction and inflammation induced by plasma from patients with pulmonary hypertension
Hira MUZAMMEL (strasbourg, France), Sophie Kerth, Said Amisss, Ali Mroueh, Marianne Riou, A Petry, Agnes Görlach, Valerie B. Schini-Kerth

OA1870
Imatinib aggravates pressure-overload-induced right ventricle failure via JNK/Runx2 pathway
Xiaohui Zeng (Guangzhou, China), Tao Wang

Sustained benefit with seralutinib treatment: Lessons from the open-label extension (OLE) of the TORREY study

Sustained effect of seralutinib on circulating biomarkers: Lessons from the TORREY phase 2 open-label extension study

Novel biomarkers for BMPR2 target engagement have significant effects upon mortality in pulmonary arterial hypertension.
Rowena Jones (CB2 0BD, United Kingdom), Eckart De Bie, Nina Deliu, Sofia Villar, Allan Lawrie, Dennis Wang, Chris Rhodes, Mark Toshner

Plasma Proteome Clusters in Pulmonary Hypertension and Their Therapeutic Implications
Athénaïs Boucly (London, United Kingdom), Shanshan Song, Merve Keles, Dennis Wang, Luke Howard, Marc Humbert, Olivier Sitbon, Allan Lawrie, Christoph Rhodes, Martin Wilkins

Exploring biomarkers in CTEPH: prognostic significance and post-PEA dynamics analysis
ALESSANDRA CUOMO (Le Kremlin-Bicêtre, France), Corinne Normand, Ly Tu, Xavier Jais, Mitja Jevnikar, Olivier Sitbon, David Montani, Valentina Mercurio, Elie Fadel, Olaf Mercier, Marc Humbert, Christophe Guignabert, Laurent Savale

Implication of Integrin α5β1 in right ventricular failure associated with pulmonary arterial hypertension
Sarah-Eve Lemay (Quebec, Canada), Mónica S. Montesinos, Yann Grobs, Charlie Théberge, Mélanie Sauvaget, Tetsuro Yokokawa, Tsukasa Shimauchi, Charlotte Romanet, Alice Bourgeois, Sandra Breulix-Bonnet, Sandra Martinez, James E Dowling, Min Lu, Parmita Saxena, T. Andrew McTeague, Bryan Goodwin, Blaise Lippa, François Potus, Steeve Provencher, Olivier Boucherat, Sébastien Bonnet

Right ventricular strain impairment due to hypoxia in patients with COPD
Helga Preiss (Zurich, Switzerland), Stephanie Saxer, Simon R Schneider, Julian Müller, Michael Furian, Maamed Madenimov, Anna Titz, Shehab Anwer, Felix C Tanner, Lena Reimann, Talant Soorobayev, Konrad Bloch, Silvia Ulrich, Mona Lichtblau

Effect of eccentric cycling on oxygen uptake and hemodynamics in patients with pulmonary vascular disease.
Julian Müller (Zürich, Switzerland), Simon R. Schneider, Anna Titz, Claudia Thalmann, Esther I. Schwarz, Christoph Bauer, Ekkehard Grünig, Malcolm Kohler, Mona Lichtblau, Silvia Ulrich

Discussion and Q&A
All Speakers

OA1876
Late Breaking Abstract - A digital mindfulness-based intervention improves mental health in COPD - Findings from a pilot RCT
Hannah Tschenett (Vienna, Austria), Florian Vafai-Tabrizi, Ralf Harun Zwick, Arshang Valipour, Georg-Christian Funk, Urs M. Nater

Menthol for exertional dyspnoea relief in COPD
Michele Schaeffer (Vancouver, Canada), Lucas Vanden Bossche, Kaat Beckers, Kristin Verbeke, Wim Janssens, Dennis Jensen, Andreas Von Leupoldt, Daniel Langer
Error processing in patients with asthma during dyspnea
Ysys Denutte (Leuven, Belgium), Astrid Remue, Wim Janssens, Thierry Troosters, Andreas Von Leupoldt

Neural processing of respiratory sensations in patients with dysfunctional breathing
Lucas Vanden Bossche (Leuven, Belgium), Ysys Denutte, Kristy Lam, Katieen Bogaerts, Linda Stans, Wim Janssens, Thierry Troosters, Andreas Von Leupoldt

Breathlessness self-management in people with long-term conditions: using a realist review to develop theory and work with stakeholders to codesign an implementation strategy
Ann Hutchinson (Hull (North Humberside), United Kingdom), Flavia Swan, Sarah Greenley, Tim Luckett, Kath Sartain, Miriam Johnson, Mark Pearson

Effect of a personality-informed intervention on changes in quality of life in pulmonary rehabilitation
Sébastien Kuss (Lodève, France), Nelly Héraud, Espérance Moine, Virginie Molnien, François Alexandre, Benjamin Eichenauer, Lorie Thomas, Laura Brandon, Perrine Sanchez, Brice Canada

Differences in Psychosocial Wellbeing between Rehabilitants with Asthma, COPD, and Long COVID
Markus Hayden (Bad Reichenhall, Germany), Matthias Limbach, Gabriele Schwarzl, Anna Greißel, Antonius Schneider

Role of Partnership in PAP Therapy Adoption in Obstructive Sleep Apnea
Leanne Kaye (San Diego, United States), Vy Vuong, Adam Benjafield, Priyanshu Gupta, Meredith Barrett

Evaluating adherence to Non-Invasive Ventilation (NIV): findings from a validation study among patients with obstructive or restrictive respiratory conditions
Eleonora Volpato (Milano (MI), Italy), Francesco Pagnini, Paolo I. Banfi

Causal associations of depression with chronic respiratory diseases: a mendelian randomization study
Zhi-Yuan Chen (QUANZHOU, China), Ang Liu, Wan-Jing Zheng, Xiao-Hua Gao, Ping-Yang Hong, Jian-Hua Wu, Bin Su

OA1891 Human SARS-CoV-2 challenge uncovers differences in local and systemic cellular responses associated with protection from infection and distinct infection states
Kaylee Worlock (London, United Kingdom), Rik G.H. Lindeboom, Lisa Dratva, Masahiro Yoshida, David Scobie, Helen Wagstaff, Laura Richardson, Anna Wilbrey-Clark, Josephine Barnes, Puja Mehta, Lorenz Kretschmer, Krzysztof Polanski, Jessica Allen-Hytinnen, Dimithi Sumanaweeera, Jacqueline M. Boccacino, Waradon Sungnak, Rasa Elmentaite, Ni Huang, Lira Mamanova, Rakeshal Kapuge, Liam Bolt, Elena Prigmore, Ben Kilingley, Mariya Kalinova, Maria Mayer, Alison Boyers, Alex Mann, Leo Swadling, Maximillian Woodall, Samuel Ellis, Claire M. Smith, Vitor Teixeira, Sam M. Janes, Rachel C. Chambers, Muzlifah Haniffa, Andrew Catchpole, Rob Heyderman, Mahdad Noursadeghi, Benny Chain, Andreas Mayer, Kerstin B. Meyer, Christopher Chiu, Sarah A. Teichmann, Marko Z. Nikolić

OA1892 LSC - 2024 - Unravelling susceptibility to COPD: insights from a novel in vitro model to potential therapeutic targets
Cheng-Yu Wu (Giessen, Germany), Anis Cilic, Kevin Lo, Henrik Watz, Fräule Pedersen, Werner Seeger, Friedrich Grimminger, Hossein-Ardeschir Ghofrani, Ralf Theo Schermuly, Natascha Sommer, Norbert Weissmann, Stefan Hadzic

OA1893 Early human lung immune cell development and its role in epithelial cell fate
Josephine Barnes (London, United Kingdom), Masahiro Yoshida, Peng He, Kaylee Worlock, Rik Lindeboom, Chenqu Suo, J. Patrick Pett, Anna Wilbrey-Clark, Emma Dann, Lira Mamanova, Laura Richardson, Krzysztof Polanski, Adam Pennycuick, Jessica Allen-Hytinnen, Iván Herczeg, Romina Azrili, Robert Hynds, Vitor Teixeira, Muzlifah Haniffa, Kyungtai Lim, Dawei Sun, Emma Rawlins, Amanda Oliver, Paul Lyons, John Marioni, Christiana Ruhrberg, Zewen Tuong, Menna Clatworthy, James Reading, Sam Janes, Sarah Teichmann, Kerstin Meyer, Marko Nikolić

OA1894 LSC - 2024 - The lung microvasculature promotes alveolar type 2 cell differentiation via secreted SPARCL1
Paolo Panza (Bad Nauheim, Germany), Till Lautenschläger, Gan Zhao, Mario Looso, Ondine Cleaver, Elisabeth Naschberger, Michael Stürzl, Andrew Vaughan, Didier Stainier

OA1895 Intra-pulmonary adipocytes exert a profibrotic effect

OA1896 Oral presentation: Innovative perspectives on cellular mechanisms in lung diseases

OA1897 Disease(s) : Airway diseases, Interstitial lung diseases, Pulmonary vascular diseases

OA1898 Method(s) : Cell and molecular biology, Epidemiology, Imaging

OA1899 Tag(s) : Translational

OA1890 Discussion and Q&A
All Speakers
Applying single-cell profiling to assess drug anti-fibrotic properties in the human precision-cut lung slice model of fibrosis
Aurélien Justet (Caen, France), Milay Mitash, Sam Micha Raredon, Ricardo H Pineda, Taylor Adams, Nebal Al Hussein, Masahiro Ishizuka, Kim Hahram, Johad Khoury, Farida Ahangari, Yang Xiting, Kaminski Naftali, Königshoff Melanie

Lung transcriptomics of emphysema reveal barrier function impairment and macrophage M1-M2 imbalance
Adel El Boueiz (Dedham, United States), Robin Lu, Rahul Suryadevara, Zhonghui Xu, Dhawal Jain, Jeffrey Curtis, Maor Sauler, Brian Bartholmai, Edwin Silverman, Peter Castaldi

Identification of an airway smooth muscle gene expression profile in COPD tissue versus control using spatial transcriptomics
Robert Hall (Nottingham (Nottinghamshire), United Kingdom), Michael Portelli, Alexander Clay, Ian Hall, Ian Sayers

LSC - 2024 - Deciphering the spatial heterogeneity of interstitial lung disease by integrative radiomics and single-nucleus transcriptomics
Michael Ammeter (Bern, Switzerland), Yuexin Chen, Michaela Müller, Shuhong Zhou, Laurens J. De Sadeleeer, Matthias Brunner, Oliver Distler, Hubert S. Gabrys, Stephanie Tanadini-Lang, Malte D. Luecken, Stijn Verleden, Britta Maurer, Herbert B. Schiller, Janine Gote-Schniering

Novel insight into alveolar capillary dysplasia from multi-omics and 3D imaging
Jan-Christopher Kamp (Hannover, Germany), Lavinia Neubert, Jonas C. Schupp, Peter Braubach, Wrede Christoph, Laenger Florian, Tim Salditt, Jakob Reichmann, Tobias Welte, Arjang Ruhparwar, Fabio Jus, Nicolaus Schwerk, Anke K. Bergmann, Sandra Von Hardenberg, Matthias Griese, Christina Rapp, Karen M. Olsson, Jan Fuge, Da-Hee Park, Marius M. Hoepfer, Danny D. Jonigk, Lars Knudsen, Mark P. Kuehnel

Guidelines session: Advances in short regimens for treating drug-susceptible and drug-resistant tuberculosis
Insights from the American Thoracic Society, Centers for Disease Control, and Prevention and European Respiratory Society guidelines

Aims: To explain the most up-to-date recommendations and insights from the American Thoracic Society, European Respiratory Society and Centers for Disease Control and Prevention guidelines for short-course regimens for drug-susceptible and drug-resistant tuberculosis that are expected to be published by the end of 2023.

Disease(s): Respiratory infections

Method(s): Epidemiology, Public health

Tag(s): Clinical

Target audience: Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Nurse, Paediatrician, Patient, Journalist

Chairs: Raquel Duarte (Porto, Portugal), James D. Chalmers (Dundee (Angus), United Kingdom)

14:30 Short-Course Regimens for Drug-Susceptible Tuberculosis - evidence to decision framework
Carla Winston (Atlanta, United States)

14:45 Short-Course Regimens for Rifampicin-Resistant Tuberculosis
Jussi Saukkonen (Boston, United States)

15:00 Patient's perspective

15:05 Discussion and Q&A
All Speakers

Skills workshop: SW20 Cardiac Ultrasound in the management of respiratory failure - €
Additional registration is required for this session.

Aims: 1. Develop a rigorous and systematic approach in performing and analysing cardiac ultrasound parameters in respiratory disease. 2) Explain systolic function, diastolic function, right heart dysfunction during COPD patients, management of pulmonary embolism. 3) Explain the hemodynamic consequences of non-invasive ventilation and propose an echocardiographic monitoring for the best settings of non-invasive ventilation. 4) Develop knowledge and understanding of echocardiographic parameters in patients with COPD, pulmonary embolism or requiring non invasive ventilation

Disease(s): Pulmonary vascular diseases, Respiratory critical care

Chairs: Bouchra Lamia (Le Havre, France)
### Session 187: 15:15 - 16:00

**Congress theme:** Little humans and machines, getting the balance right in childhood asthma

**Aims:** To explore the integration of digital health technologies in the management of childhood asthma, including mobile apps, social robots and tele-monitoring systems, and the potential consequences of these tools for the well-being of children and their relationships with respiratory care professionals; to provide an overview of the existing digital health technologies for the management of childhood asthma; to describe the evidence of the clinical effectiveness of digital health technologies for the management of childhood asthma; to provide insight into the benefits and risks of digital health technologies in children.

**Disease(s):** Paediatric respiratory diseases

**Method(s):** General respiratory patient care

**Tag(s):** Congress theme: Humans and Machines: getting the balance right

**Target audience:** General practitioner, Medical Student, Medical Technical Assistant, Nurse, Paediatrician, Patient

**Chairs:** Susanne Vijverberg (Amsterdam, Netherlands), Andrew Bush (London, United Kingdom)

- **15:15** Managing childhood asthma: the potential contributions of digital technologies.
  Giuliana Ferrante (Verona, Italy)
  
- **15:30** Telemonitoring systems and their technical, ethical and societal challenges in children with asthma
  David Drummond (Paris, France)

- **15:45** Discussion and Q&A
  All Speakers

### Session 188: 15:30 - 17:00

**Clinical cases: Lungs on fire: interstitial lung diseases?**

**Aims:** To present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

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

**Tag(s):** Clinical

**Chairs:** Antoine Froidure (Bruxelles, Belgium), Marlies S. Wijsenbeek (Rotterdam, Netherlands), Katerina Antoniou (Heraklion, Greece)

**Discussants:** Vincent Cottin (Lyon, France), Pilar Rivera Ortega (Manchester, United Kingdom)

- **15:30** Case 1 incl. panel discussion and Q&A - Submitter: J. Taylor (Australia)
  Pilar Rivera Ortega (Manchester, United Kingdom)
  
- **15:52** Case 2 incl. panel discussion and Q&A - Submitter: S. Ng (Singapore)
  Vincent Cottin (Lyon, France)
  
- **16:14** Case 3 incl. panel discussion and Q&A - Submitter: A. Kahnlund (Sweden)
  Pilar Rivera Ortega (Manchester, United Kingdom)
  
- **16:36** Case 4 incl. panel discussion and Q&A - Submitter: M. Rodil Riera (Spain)
  Vincent Cottin (Lyon, France)
Journal session: The best of the European Respiratory Journal

Aims: To review the best papers published in the European Respiratory Journal during 2024 in the following fields: sleep and ventilation, cystic fibrosis and bronchiectasis, translational science and airways disease.

Disease(s): Airway diseases, Respiratory infections, Sleep and breathing disorders

Method(s): Cell and molecular biology

Tag(s): Clinical

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

Chairs: Raquel Duarte (Porto, Portugal), James D. Chalmers (Dundee (Angus), United Kingdom)

15:30 The best of the ERJ- sleep and ventilation
Patrick Lévy (Grenoble, France) 1920

15:45 The best of the ERJ- cystic fibrosis and bronchiectasis
Marcus Mall (Berlin, Germany) 1921

16:00 The best of the ERJ- translational sciences
Melanie Konigshoff (Pittsburgh, United States) 1922

16:15 The best of the ERJ- COPD and asthma
Jodie Simpson (New Lambton (NSW), Australia) 1923

16:30 Discussion and Q&A
All Speakers 1924

Symposium: Novel diagnostic approaches to sleep-disordered breathing and translation to personalised patient care

Aims: To review the recent advances in diagnostic technology, discuss the application of machine learning tools for improved diagnostic accuracy and describe the development of novel applications that are directed towards improved patient participation in personalised care in the context of the ongoing major European Union Horizon 2020 grant “Sleep Revolution” (Grant Agreement no. 965417); to provide a comprehensive understanding of the latest advances in diagnostic tools and technologies for sleep-disordered breathing; to identify the mechanics, advantages and potential limitations of novel diagnostic approaches, enabling them to evaluate and incorporate these tools into their clinical practice or research; to equip participants with the knowledge and skills required to translate diagnostic findings into personalised care strategies; to foster a collaborative environment that encourages the sharing of ideas and experiences among participants.

Disease(s): Sleep and breathing disorders

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

Tag(s): Translational, Congress theme: Humans and Machines: getting the balance right

Target audience: Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Patient, Scientist (basic, translational), Journalist

Chairs: Henri Korkalainen (Kuopio, Finland), Athanasia Pataka (Thessaloniki, Greece), Dries Testelmans (Leuven, Belgium)

15:30 Sleep Revolution: objectives and achieved milestones in revolutionising sleep-disordered breathing diagnostics and management
Erna Sif Arnardóttir (Reykjavik, Iceland) 1925

15:45 Novel technologies in the diagnosis and management of sleep-disordered breathing
Ding Zou (Gothenburg, Sweden) 1926

16:00 Machine learning and data analytical approaches to improve the diagnosis and management of sleep-disordered breathing
Timo Leppänen (Kuopio, Finland) 1927

16:15 Translation of technological developments in diagnosis to personalised patient care
Sophia E. Schiza (Heraklion, Greece) 1928

16:30 Discussion and Q&A
All Speakers 1929
C1  Session 191  15:30 - 17:00
Symposium: Humans and machines: getting the balance right
Congress chair's session

Aims: To present the development, current role and future potential of artificial intelligence in different fields of science, healthcare and medical research.

Method(s): Epidemiology  Imaging  Physiology

Tag(s): Congress theme: Humans and Machines: getting the balance right

Target audience: Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Patient, Radiologist, Scientist (basic, translational), Journalist

Chairs: Gabor Kovacs (Graz, Austria), Judith Löffler-Ragg (Innsbruck, Austria), Ádám Domonkos Tárnoki (Budapest, Hungary)

15:30  Patient's perspective
Speaker to be confirmed

15:35  Digital hospital and other practical steps towards digitalization in medicine: advances and limitations
Michael Dreher (Aachen, Germany)

15:50  Robotic bronchoscopy for pulmonary nodules: finally a solution or just a toy?
Daniela Gompelmann (Vienna, Austria)

16:05  AI in pediatric pneumology
Stefania La Grutta (Palermo (PA), Italy)

16:20  Putting theory into practice: implementation of artificial intelligence in thoracic imaging
Helmut Prosch (Wien, Austria)

16:35  Discussion and Q&A
All Speakers

C6  Session 192  15:30 - 17:00
Clinical cases: Lungs on fire: lung cancer?

Aims: to present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

Disease(s): Thoracic oncology

Chairs: Najib M. Rahman (ABINGDON, United Kingdom), Didier Schneiter (Zürich, Switzerland), Joanna Chorostowska-Wynimko (Warsaw, Poland)

Discussants: Georgia Hardavella (Athens, Greece), Torsten Gerriet Blum (Berlin, Germany)

15:30  Case 1 incl. panel discussion and Q&A - Submitter: S. Chaurasia (India)
Georgia Hardavella (Athens, Greece)

15:52  Case 2 incl. panel discussion and Q&A - Submitter: M. Ibrahim (Germany)
Torsten Gerriet Blum (Berlin, Germany)

16:14  Case 3 incl. panel discussion and Q&A - Submitter: D. Amorim (Portugal)
Georgia Hardavella (Athens, Greece)

16:36  Case 4 incl. panel discussion and Q&A - Submitter: J. T. Kutty (India)
Torsten Gerriet Blum (Berlin, Germany)
Aims: To provide an expert overview of the current state of knowledge concerning patterns of lung function and cardiovascular and other comorbidities; to highlight that evidence is stronger for restrictive than obstructive defects; to clarify that chronic obstructive pulmonary disease (COPD)-comorbidity links are largely explained by known risk factors, whereas the restrictive lung function-comorbidity link has not been fully explored or explained; to present evidence from low- and middle-income countries linking a low forced vital capacity (small lungs) to cardiometabolic comorbidities; to demonstrate that part of the association between a restrictive defect (lower forced vital capacity) and cardiovascular comorbidity is explained by shared developmental signalling pathways; to describe the clinical and healthcare implications of comorbidities associated with COPD and impaired lung function; to describe how artificial intelligence techniques have contributed to lung function trajectory modelling; to provide take-home messages; to provide a deeper understanding of respiratory comorbidities and their clinical implications.

Disease(s): Airway diseases

Method(s): Epidemiology Public health

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

Chairs: Ane Johannessen (Bergen, Norway), Apostolos Bossios (Stockholm, Sweden), Howraman Meteran (Hvidovre, Denmark)

15:30 Lung function and asthma trajectories and extrapulmonary comorbidities
Shyamali Dharmage (Carlton Victoria, Australia)

15:45 Respiratory comorbidities in Sub-Saharan Africa: a cardiologist's perspective
Ana Mocumbi (Maputo, Mozambique)

16:00 Shared developmental origins of low adult lung function and cardiovascular comorbidity
Seif Shaheen (London, United Kingdom)

16:15 Clinical and healthcare implications of COPD and multimorbidity
LEONARDO FABBRI (Modena, Italy)

16:30 Discussion and Q&A
All Speakers

C3 Session 194 15:30 - 17:00

Symposium: Future developments in respiratory failure

Aims: To describe the future developments in acute and chronic respiratory care and mechanical ventilation.

Method(s): Respiratory critical care

Tag(s): Clinical Congress theme: Humans and Machines: getting the balance right

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

Chairs: Marieke L. Duiverman (Groningen, Netherlands), Christian Karagiannidis (Cologne, Germany)

15:30 How can we use big data and artificial intelligence to optimise and personalise treatment of respiratory failure?
Speaker to be confirmed

15:45 Future treatments of acute respiratory distress syndrome
Lieuwe D.J. Bos (Amsterdam, Netherlands)

16:00 Telemedicine-guided set-up of home mechanical ventilation
Marieke L. Duiverman (Groningen, Netherlands)

16:15 Remote monitoring to optimise long-term home mechanical ventilation care
Clara Bianquis (Saint-Prix, France)

16:30 Discussion and Q&A
All Speakers

15:30-16:15 INDUSTRY SKILLS LAB WORKSHOP SEE PAGE 1

A1 Session 197 15:45 - 17:00

Oral presentation: Exercise testing: what’s new in pulmonary physiology?
**Disease(s):** Airway diseases

**Method(s):** Physiology  Pulmonary function testing  Pulmonary rehabilitation  Imaging

**Chairs:** J. Alberto Neder (Kingston (ON), Canada), Mathieu Marillier (Echirolles, France)

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**Late Breaking Abstract - ERS technical standard: Global Lung Function Initiative reference values for lung clearance index and functional residual capacity**

Kathryn Ramsey (Perth, Australia), Sanja Stanojevic, Luis Chavez, Noah Johnson, Cole Bowerman, Graham Hall, Philipp Latzin, Katherine O’Neill, Paul Robinson, Mirjam Stahl, Daniel Weiner, Annelies Zwitserloot, Alex Horsley

**Detrimental effects of electronic cigarettes on vascular function and ventilatory efficiency during exercise**

Azmy Faisal (Manchester, United Kingdom), Agata Giles, Sarah Jones, Olivia Louise Phillips, Jay Vadher, Rehan Junejo

**Quantifying exertional symptoms throughout incremental CPET adds value to peak measurements across the range of COPD severity**

J. Alberto Neder (Kingston (ON), Canada), Abed Hijleh, Sophia Wang, Danilo Berton, Igor Neder-Serafini, Matthew James, Sandra Vincent, Nicolle Domnik, Devin Phillips, Denis O'Donnell

**Breathing pattern and ventilatory response to exercise in chronic obstructive pulmonary disease**

Rocco Accogli (Parma, Italy), Annalisa Frizzelli, Olga Bondarenko, Panagiota Tsani, Luigino Calzetta, Roberta Pisi, Marina Aiello, Alfredo Chetta

**Two measures of ventilatory efficiency from preoperative cardiopulmonary exercise testing can risk stratify patients before oesophageal cancer surgery**

Karolina Kristenson (Linköping, Sweden), Elin Ludvigsson, Kristofer Hedman

**Impact of bronchiectasis on the thoracoabdominal kinematics at rest and during exercise: a controlled cross-sectional study**

Celso Ricardo Fernandes de Carvalho (São Paulo (SP), Brazil), Cibele Marques Da Silva, Leticia Kato, Adriana Lunardi, Marieta Cunha, Simone Dal Corso, Renato Vitorasso, Alfredo Fonseca, Rodrigo A. Athanazio

**T2*-weighted oxygen-enhanced pulmonary MRI in COPD is linked to resting and exertional functional measurements.**

Amany Elbehairy (Alexandria, Egypt), Josephine H. Naish, Hossein Baghertash, Christopher A. Miller, Jørgen Vestbo, Alex Horsley

**Feasibility of continuous bronchoscopy during exercise in the assessment of large airway movement in healthy subjects**

Zander J Williams (London, United Kingdom), Christopher M. Orton, Justin L. Garner, Ley T. Chan, Anand Tana, Pallav L. Shah, Michael I. Polkey, Thomas Semple, James H. Hull

**Automating the interpretation of cardiopulmonary exercise testing: a proof-of-concept study**

Michaël Staes (Leuven, Belgium), Ahmed Elmahy, Dimitri Stylemans, Kenneth Verstraete, Helene Huts, Amber Beersaerts, Thierry Troosters, Maarten De Vos, Wim Janssens

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**Discussion and Q&A**

All Speakers

**Oral presentation: Clinical and translational studies of asthma and chronic obstructive pulmonary disease: novel treatment targets**

**Disease(s):** Airway diseases

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

**Tag(s):** Translational

**Chairs:** Lena Uller (Lund, Sweden), Ian M. Adcock (London, United Kingdom)

**Late Breaking Abstract - FRONTIER-4: a phase 2a study to investigate tozorakimab (anti-IL-33 mAb) in COPD**

Dave Singh (Manchester, United Kingdom), Hitesh Pandya, Patricia Guller, Fred Reid, Sarah Doffman, Lars Nordenmark, Ulla Seppälä, Ioannis Psallidas, Rachel Moate, Rebecca Smith, Joanna Kiraga, Eulalia Jimenez, Dennis Brooks, Aofie Kelly, Muhammad Waqs Sadiq, Chris Kell, Maria Belvisi
Resting-state CNS networks in refractory/unexplained chronic cough
James Wingfield Digby (Manchester (Greater Manchester), United Kingdom), Rachel Dockry, Shane Mckie, Jenny King, Kimberley Holt, Shannon Galgani, Phil Turner, Paul Czyzyk, Joanne Mitchell, Laura Parkes, Paul Marsden, Kyle Pattinson, Jacky Smith

Pan-antiviral effects of RIG-I agonist (RIG-101) against respiratory syncytial virus and human rhinovirus in nasal epithelium in vitro and mice in vivo
Kazuhiro Ito (London, United Kingdom), Leah Daly, Agethe Moen, Hugo Ombredane, Ian Knowles, Jag Shur, Garth Rapeport, Susan Sobolov

Targeting SOCE attenuates IL-17-driven airway inflammation in cigarette smoking-induced COPD mice
Zijian Zeng (CHENGDU, China), Mengxin Cheng, Yutian Zhang, Tao Wang, Fuqiang Wen, Jun Chen

TSLP blocking modifies cross-talk between airway epithelium and macrophages reducing macrophage activation
Elisabetta Pace (Palermo (PA), Italy), Serena Di Vincenzo, Maria Ferraro, Valentina Lazzara, Paola Pinto, Bernardo Patella, Rosalinda Inguaanta

Histological evaluation of GR and HDAC expression in endobronchial biopsies of COPD patients with known responsiveness to ICS: Insights from the HISTORIC study
Eleni Papakonstantinou (Freiburg, Germany), Marta Nowak, Leticia Grize, Daniel Soriano, Spasenija Savic Prince, Viktor H Koelzer, Daiana Stolz

Reversing oxidative stress-induced senescence in small airway epithelial cells using the mTOR inhibitor AZD8055
Faye Shrosbery (Hertfordshire, United Kingdom), Werngard Czechtizky, Louise Donnelly, Peter Barnes

Effect of azithromycin on epithelial antiviral immunity in patients with asthma (AZIMUNE-study)
Muzhda Ghanizadeh (Copenhagen, Denmark), Sofia Malm Tillgren, Mandy Menzel, Louis Praeger-Jahnsen, Nihaya Mahmoud Said, Sisse Ditlev, Nanna Dyhre-Petersen, Samuel Cerps, Asger Sverrdld, Celeste Porsbjerg, Lena Uller, Therese Lappere

A phase I study of SHR-1905, a long-acting anti-TSLP monoclonal antibody, in healthy subjects and patients with asthma
Qian Chen (Shanghai, China), Chen Yu, Yang Zou, Lika Ye, Jun Yang, Zhi Xiang, Zhihua Shi, Min Zhang, Jianlong Wu, Xin Li, Yingwu Zhu, Lihong Wang, Nan Xu, Xing Gao, Hongda Lin, Meng Fu, Kai Sheng, Jinrui Wang, Huize Han, Xiaopeng Wang

Mycobacterium tuberculosis growth control by peripheral blood mononuclear cells from household contacts is not affected by recent SARS-CoV-2 infection
Jane Shaw (Cape Town (Cape), South Africa), Caleb Petersen, Andriette Hiemstra, Gerhard Walzl, Stephanus Malherbe, Nelita Du Plessis

Performance of Surface-enhanced Raman Spectroscopy in Biopsy Tissue for Rapid Diagnosis of Tracheobronchial Tuberculosis: A Prospective Study
Gang Hou (Beijing, China), Mingming Deng, Qin Zhang
OA1979 How to diagnose TB in migrants? A systematic review of reviews and decision tree analytical modelling exercise to evaluate properties for single and combined TB screening tests.
Dominik Zenner (London, United Kingdom), Hassan Haghparast-Bidgoli, Tahreem Chaudhry, Ibrahim Abubakar, Frank Cobelens

OA1980 In vitro synergistic effects of omadacycline with other antimicrobial agents against Mycobacterium abscessus
Keiji Fujiwara (Tokyo, Japan), Akio Aono, Takahiro Asami, Keisuke Kamada, Kozo Morimoto, Satoshi Mitarai

OA1981 Predictive risk factors of treatment-refractory Mycobacterium avium complex lung disease
Takahiko Saito (Hamamatsu, Japan), Yuya Aono, Masato Kono, Takuma Sugiy, Misato Higasa, Mineo Katsumata, Hideki Miwa, Yoshishiro Miki, Dai Hashimoto

OA1982 Safety and efficacy of clofazimine are correlated with its serum concentration: Findings of a prospective observational study for pulmonary nontuberculous mycobacterial disease
Fumiya Watanabe (Tokyo, Japan), Keiji Fujiwara, Koji Furuuchi, Masashi Ito, Kazuhiko Hanada, Tatsuya Kodama, Akio Aono, Satoshi Mitarai, Kozo Morimoto

OA1983 Discussion and Q&A
All Speakers

Strauss 1 Session 200 15:45 - 17:00
Oral presentation: Advancements in paediatric infectious respiratory health

OA1984 Late Breaking Abstract - Recessively inherited deficiency of secreted WFDC2 (HE4) causes nasal polypsis and bronchiectasis

OA1985 A randomised controlled trial of hypertonic saline nose drops as a treatment in children with the common cold (ELVIS-Kids trial)
Steve Cunningham (Edinburgh (Scotland), United Kingdom), Emily Evans, Cartron Graham, Phillip Rayson, Katherine Christie, Clare Webster, Carol Dryden, Lana O'Hara, Steve Turner, Marianne Cunningham, Ahlam Darasi, Alastair Scott, Andrew Stodddart, Aziz Sheikh, Sandeep Ramalingam

OA1986 Creating Child-BEAR-Net's international paediatric bronchiectasis registry: an ERS CRC initiative
Laura Garriga Grimau (Barcelona, Spain), Laura Petrarc, Jeanette Boyd, Kostas Douros, Dafni Moriki, Elpiniki Kartsouni, Bulent Karadag, Ela Erdem Ersl, Oleksandr Mazulov, Fabio Midulla, Keith Grimwood, Zen Powell, Antonio Moreno Galdo, Eva Polverino, Anne B Chang, Ahmad Kantar*, Stephanie T Yerkovich* (*co-Senior) On Behalf Of Child-Bear-Net Panel And Registry Group

OA1987 Paediatric Bronchiectasis, a UK-wide cohort study
Stefan Unger (Edinburgh (Edinburgh), United Kingdom), Priti Kenia, Manjith Narayanan, Siobhan Carr

OA1988 Characteristics of airway cilia motility and ultrastructure linked to heterotaxy but not associated with primary ciliary dyskinesia
Laura Venditto (Verona, Italy), Matheu Bottier, Ranjit Rai, Rhiannon Mclellan, Georgina Bailey, Amelia Shoemark, Claire Hogg, Thomas Burgoine

OA1989 Consensus definition of sinonasal and otologic exacerbation in patients with primary ciliary dyskinesia

OA1990 Medical clown intervention shortens length of hospitalization in children with community acquired pneumonia.
Karin Yaacoby-Bianu (Haifa, Israel), Lana Khoury, Irit Shwartz, Meital Paz Tzruia, Shereen Shehadeh, Noa Meir, Galit Livnat
### OA1991
**The impact of higher-valency pneumococcal conjugate vaccine use on pediatric parapneumonic pleural effusion/empyema in Belgium.**
Eline Lambert (Herent, Belgium), Marijke Proesmans, Stefanie Desmet

### OA1992
**Fever Duration Enhances Biomarker Sensitivity for Diagnosing Pediatric community acquired pneumonia**
Ori Goldberg (Rehovot, Israel), Einar Shmueli, Yoel Levinsky, Yoav Vardi, Noga Yaniv, Ophir Bar-On, Hagit Levine, Meir Mezahav, Dario Praia, Patrick Stafler

### OA1993
**Improvement of post-infectious bronchiolitis obliterans in children after methylprednisolone pulse therapy.**
Bianca Dontje (Amsterdam, Netherlands), N.W. Rutjes, E.G. Haarman, V. Land, van, der, C.L.H Brackel, M. Romijn, S. Hashimoto, J Schuppen, van, E.A.B. Buiks, S.W.J. Terheggen - Lagro

### OA1994
**Discussion and Q&A**
All Speakers

### Strauss 2 Session 201 15:45 - 17:00
**Oral presentation: Modelling external influences on lung health and disease susceptibility**

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

**Method(s):** Cell and molecular biology, Physiology, Pulmonary function testing

**Tag(s):** Translational

**Chairs:** Sophie Lanone (Creteil, France), Chair to be confirmed

#### OA1995
**Late Breaking Abstract - Transkingdom circadian orchestration of host and airway microbiota in chronic pulmonary inflammation**
Wei Xiao (Chengdu, China), Yan Yu, Juan-Juan Fu, Ti-Wei Miao, Mei-Lu Liu, Bing Mao

#### OA1996
**An adipo-pulmonary axis mediated by FABP4 hormone defines a target against obesity-induced airway disease**
Mehmet Furkan Burak (Boston, United States), Gurul Tuncman, Aysu Ayci, Kashish Chetal, Elliot Israel, Ruslan Sadreyev, Gökhan S Hotamışlıgil

#### OA1997
**LSC - 2024 - Delayed airway epithelial repair is correlated with airway obstruction in young adults born very preterm.**
Denby Evans (Nedlands, Australia), Elizabeth Smith, Naomi Hemy, James Gibbons, Andrew Wilson, Anthony Kicic, Shannon Simpson

#### OA1998
**Sexually dimorphic effect of chronic alcohol drinking on dysregulating lung immunity by altering immunometabolism in human and mouse**
Lenny Pommeroller (Rockville, United States), Muhammad Arif, Madeline Behee, Abhishek Basu, Resat Cinar

#### OA1999
**Maternal cigarette smoke exposure in mice induces a Th2-biased immune response in offspring**
Ali Dehghani (Utrecht, Netherlands), Jeroen Van Bergenhengouwen, Johan Garssen, Gert Folkerts, Saskia Braber

#### OA2000
**Sophisticated human airway in vitro models to investigate cell-cell interactions in acute and chronic diseases**
Anja Lena Thiebes (Aachen, Germany), Julian Gonzalez Rubio, Hannah Kubiza, Felix Wehrmann, Maria Cherevkhina, Anja E. Luengen, Christian G. Cornelissen

#### OA2001
**The impact of hormone replacement therapy during perimenopause on lung function and inflammation in mice**
Laurie Ellerman (Tucson, United States), William Pederson, John Konhilas, Julie Ledford

#### OA2002
**Temperature-driven Modulation of Airway Epithelial Cell Composition and Host Responses: Implications for Chronic Obstructive Pulmonary Disease (COPD)**
Anne M. van der Does (Leiden, Netherlands), Lars A. Wessels, Dennis K. Ninaber, Melissa Thaler, Ying Wang, Martijn J. Van Hemert, Janna C. Nawroth, Pieter S. Hiemstra, Alen Faiz

#### OA2003
**Advanced in vitro models for pneumonia research**
Karen Hoffmann, (Germany), Çengiz Gökeri, Benedikt Obermayer-Wasserscheid, Andreas Hocke, Mirjana Kessler, Christian Zobel, Martin Wittenenth, Geraldine Nouailles

#### OA2004
**Potential role of Let-7 family microRNAs in sex disparity in asthma**
Carina Malmhäll (Göteborg, Sweden), Jenny Calvé, Julie Weidner, Kristina Johansson, Patricia Ramos-Ramirez, Emma Boberg, Linda Ekerl Jung, Roxana Mincheva, Bright Nwaru, Hannu Kankaanranta, Henric Olsson, Christopher McCrae, Madeleine Rädinger

#### OA2005
**Discussion and Q&A**
All Speakers
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<td>17:30-19:00</td>
<td>INDUSTRY EVENING SYMPOSIUM</td>
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Stolz 1
Session 217
08:00 - 10:20
Skills workshop: SW7 Interpretation of cardiopulmonary exercise tests - €
Additional registration is required for this session.

Aims: Tips and pitfalls in evaluating the pulmonary aspects of cardiopulmonary exercise testing - To identify the typical pulmonary patterns of responses in cardiopulmonary exercise testing, and to develop new skills and expertise to discriminate these from anomalous response profiles, which can cause misinterpretation of test results; to develop skills to correctly assess breathlessness and dynamic hyperinflation.

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

Method(s): Physiology, Pulmonary function testing, Pulmonary rehabilitation

Target audience: Adult pulmonologist/Clinician, Clinical researcher, Paediatrician, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist

Chairs: J. Alberto Neder (Kingston (ON), Canada)

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<tr>
<th>Time</th>
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<tr>
<td>08:00</td>
<td>Assessing breathlessness</td>
<td>Hayley Lewthwaite (Merewether, Australia)</td>
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<tr>
<td>08:00</td>
<td>Breathing pattern and dynamic hyperinflation interpretation</td>
<td>James H. Hull (London, United Kingdom)</td>
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<tr>
<td>08:00</td>
<td>Ventilatory efficiency and gas exchange</td>
<td>J. Alberto Neder (Kingston (ON), Canada)</td>
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<tr>
<td>08:00</td>
<td>Dynamic hyperinflation and other respiratory measurements: live demonstration</td>
<td>William Stringer (Long Beach, United States), Mathieu Marillier (Echirolles, France)</td>
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Stolz 2
Session 218
08:00 - 10:20
Skills workshop: SW10 Practicalities of spirometry and whole-body plethysmography - €
Additional registration is required for this session.

Aims: To develop the technical expertise needed to perform spirometry and whole-body plethysmography according to both best practice and the latest recommendations that are supported by experts in the field; to explain the measurements of spirometry, static lung volumes, airway resistance and resistance-volume loops via whole-body plethysmography; to describe the technical aspects of the body box, standardisation of test performance, reporting and case study interpretation.

Disease(s): Airway diseases, Paediatric respiratory diseases

Method(s): Physiology, Pulmonary function testing

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

Chairs: Rachel Ong-Salvador (Amsterdam, Netherlands)

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<td>Performing spirometry</td>
<td>Vicky Moore (Coventry, United Kingdom)</td>
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<td>08:00</td>
<td>Standardised static lung volume measurement using whole-body plethysmography</td>
<td>Aisling McGowan (Dublin 15, Ireland)</td>
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<tr>
<td>08:00</td>
<td>Measurement of airway resistance and resistance volume loops using whole-body plethysmography</td>
<td>Mart N. van der Plas (Monster, Netherlands)</td>
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<tr>
<td>08:00</td>
<td>Reporting and interpretation of case studies</td>
<td>Gregory King (Sydney (NSW), Australia)</td>
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08:00-08:45
INDUSTRY SKILLS LAB WORKSHOP
SEE PAGE 1

PS-1
Session 221
08:00 - 09:30
Poster session: Clinical problems in pleural diseases and respiratory medicine
Disease(s): Airway diseases, Respiratory critical care, Thoracic oncology, Sleep and breathing disorders, Interstitial lung diseases, Pulmonary vascular diseases

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

Chairs: Margarida Afonso (Coimbra, Portugal), Giuseppe Adamo (PALERMO, Italy)

PA2089
Pneumomediastinum - a single centre case series from 2010-2020
Kirk Ramharack (Newcastle, United Kingdom), James Hyman, Avinash Aujayeb

PA2090
Clinical utility of pleural N-terminal-proB-type natriuretic peptide (NTproBNP) to distinguish heart failure related pleural effusions from effusions of other causes
Christopher Chan (Kowloon, Hong Kong), Ka Pang Chan, Wai Kei Jacky Lam, Kevin Ka Ho Kam, Guangming Tan, Mark Tsz Kin Tam, Terry Cheuk Fung Yip, Grace Lai Hung Wong, Kai Ming Chow, Ying Ying Sze, Kwun Cheung Ling, Wai Keung Wong, Jeffrey Ka Tak Wong, Joyce Ka Ching Ng, Rachel Lai Ping Lo, Tommy Wing Ho Yip, Jenny Chun Li Ngai, Stephanie Wing Tone Ho, Kin Wang To, Fanny Wai San Ko, David Shu Cheong Hui

PA2091
Five-Year Durability of Zephyr Valves in Patients with Severe Emphysema
Gerard J. Criner (Philadelphia, United States), Richard Sue, Momen Wahidi, Hugo De Oliveira, Pallav Shah, Mark Vollenweider, Narinder Shargill, Karin Klooster, Dirk-Jan Slebos

PA2092
Updated Prevalence of Lymphangioleiomyomatosis in Northern Europe
Evelyn Lynn (Blackrock (Co. Dublin), Ireland), Sarah Forde, Alessandro N. Franciosi, Elisabeth Bendstrup, Marcel Veltkamp, Anne Wind, Coline Van Moorsel, Thomas Kromann Lund, Michael Thomas Durheim, Marissa O’Callaghan, Amina Joutida, Adriane Vorselaars, Michael Perch, Evelien Peeters, Michael Keane, Cormac Mccarthy

PA2093
Spontaneous Pneumomediastinum: A Single-Centre Study
Amro Abu Suleiman (Hull, United Kingdom), Rohan Menon, Almahanad Aljulandani, Shoaib Faruqi

PA2094
Pneumothorax essentials: insights into causes and care
Harshita Mishra (MUMBAI, India), Rosna Thomas, Tanay Sinha, Jairaj Nair, Mayank Tiwari, Snehal Kawade

PA2095
Sarcopenia Prevalence and Predictors in Non-malignant Chronic Respiratory Disease Patients: A Prospective, Multicenter Cohort Study
Pin-Kuei Fu (Tai-chung, Taiwan), Pai-Chien Chou, Yu-Chi Tung

PA2096
Clinical and evolutionary characteristics of first-episode recurrence of primary spontaneous pneumothorax
Sara Madkour (Casablanca, Morocco), Nahid Zaghba, Khadija Chaanoun, Hanaa Harraz, Hanane Benjelloun, Najiba Yassine

PA2097
Pulmonary artery sling as a rare cause of dyspnoea of unknown origin
Kateryna Khromyk (Vinnitsy, Ukraine), Veronika Dudnyk, Olha Zborovska, Oleksandr Teterin

PA2098
An observational approach to haemothoraces- A single centre review
Kirk Ramharack (Newcastle, United Kingdom), Thomas Roberts, Avinash Aujayeb

PA2099
Cryoballoon use for cryoablation in benign tracheal stenosis
Caleb Taylor (San Diego, United States), Niral Patel, Keriann Van Nostrand, Jorge Munoz Pineda, George Cheng, Russell Miller

PA2100
Validity and reliability of objective structured assessment of technical skills tool for Ultrasound-guided arterial puncturing
Ammal Alsomali (khobar, Saudi Arabia), Raghad Alhjy, Maisa Alshhammrani, Aisha Alhamed, Abeer Alqahtani, Jithin K Sree, Zechariah Arulanantham

PA2101
Evaluation of novel respiratory sensor in neonatal respiratory monitoring
Hannah Vennard (Glasgow, United Kingdom), Jennifer Miller, Catriona Cowan, Osian Meredith, Neil Patel, Philip Davies, Ross Langley

PA2102
Chemical pleurodesis with betadine, easy, inexpensive and well tolerated in cases of pneumothorax and metastatic pleural effusions
Samia Aissani (Algiers, Algeria), Ryma Oufella, Fatma Tahir, Amina Bouaoud, Fatiha Barr, Ali Zitouni

PA2103
Application and evaluation of high-throughput sequencing in children with pleural effusion-related diseases
Yingshuo Wang (Hangzhou, China), Zhufei Xu

PA2104
Reducing pleural fluid mischaracterization – Using demographics to improve Light’s criteria.
Zohaib Yousaf (West Reading, United States), Muhammad Sohaib Asghar, Maya Omran, Adeel Khan, Fateen Ata, Suresh Arachchige, Khalil El Annan, Anthony Donato
PA2105  Thoracic involvement during Behçet's disease: about 32 cases
Khadija Miftah (CASABLANCA, Morocco), Nahid Zaghib, Hanane Benjelloun, Khadija Chaanoun, Hanaa Harraz, Najiba Yassine

PA2106  Association between advanced lung cancer inflammation index and unstable asthma: A population-based study
Zhou Jin (Beijing, China)

PA2107  Likelihood Ratios of Cough Syncope and Malacic Cough for Large Airways Collapse A Rashed, E Bartlett, DC Watchorn Lung Division, Royal Brompton Hospital, London (United Kingdom)
Adam Rashed (Worthing, United Kingdom), David Watchorn, Emily Bartlett

PA2108  Factors Affecting Immunoreactive Trypsinogen Levels in Cystic Fibrosis Newborn Screening
Ayse Tana Aslan (Ankara, Turkey), Handan Kekeç, Tuğba Şişmanlar Eyüboğlu, Volkan Medeni, Bahar Çuhaçç Çakır

PS-10  Session 222  08:00 - 09:30
Poster session: Inhaler devices: environmental impact, technique and adherence

Disease(s):  Airway diseases
Method(s):  General respiratory patient care  Epidemiology  Public health  Pulmonary function testing  Imaging  Physiology
Tag(s):  Clinical
Chairs:  Monbi Stefanova Chakma (London, United Kingdom), Mikael Adner (Stockholm, Sweden)

PA2109  Patient satisfaction and sensory attributes of Mometasone Furoate delivered by a novel nasal spray device: an observational, real-world study
Alessandra Sorano (Firenze, Italy), Chiara Allegrini, Francesca Buttini, Federico Lavorini

PA2110  Effect of Flow Rate on Emitted Fine Particle Mass (FPM) from a Dry Powder Inhaler (DPI) and a Metered Dose Inhaler (MDI) with Spacer Delivering Salbutamol
Mark Nagel (London (ON), Canada), Jason Suggett, Rubina Ali, Cathy Doyle

PA2111  Breathing parameters of COPD patients through two dry powder inhalers
Izolda Réti (Budapest, Hungary), Botond Havádó, Norbert Ilyés, Arpad Farkas, Alpár Horváth, János Tamás Varga, Péter Czaun, Gabriella Gälfy

PA2112  Inhalation through two mini-spacer-like inhaler technique training devices: An in-vitro aerosol delivery comparative study
Wesam Ammari (Amman, Jordan), Dunya Oda

PA2113  The impact of actuation and inhalation coordination of pMDI on lung deposition via FRI
Navid Monshi Tousi (kontich, Belgium), Hosein Sadafi, Wendel Dierckx, Wilfried De Backer, Jan De Backer

PA2114  Effect of flow rate on coarse particle mass (CPM) from a dry powder inhaler (DPI) and a metered dose inhaler (MDI) / spacer delivering salbutamol
Jason Suggett (London (ON), Canada), Rob Costa, Mark Nagel

PA2115  Peak inspiratory flow via Easyhaler dry powder inhaler in adults before methacholine challenge test and during bronchoconstriction
Ville Vartiainen (Järvenpää, Finland), Antti Tikkakoski, Jussi Karjalainen, Pekka L. Malmberg, Liisa Vuotari, Satu Lähelmä, Ulla Saarinen, Mikko Vahteristo, Lauri Lehtimäki

PA2116  Single-inhaler triple therapy improves small airway dysfunction in moderate to severe asthma.
Yumi Fujita (Shizuoka, Japan), Toshihiro Shirai, Taisuke Akamatsu, Shogo Sakurai

PA2117  Effect of peak inspiratory flow rate guided inhaler device selection on the number of COPD exacerbation in the 90 days after discharge.
Hasan Demir (İzmir, Turkey), Yelda Varol, Ali Kadri Çırak

PA2118  Initiation of single- and multiple-inhaler triple therapy for COPD and adoption of budesonide/glycopyrrolate/formoterol (BGF): insights from primary care in England - the AURA UK study
Scott Dickinson (Watford, United Kingdom), Thapas Nagarajan, Ruqi Zhang, Michael Pollack, Shruti Menon

PA2119  Lack of participant diversity in COPD maintenance inhaler clinical trials
Catherine Buchan (Melbourne, Australia), Harrison Birch, Amy Pascoe, Amy Mccormick, Jonathan Tran, Zac Irwin, Meghan Owens-Reed, Natasha Smallwood

PA2120  Initiation of single- and multiple-inhaler triple therapy for COPD and adoption of budesonide/glycopyrrolate/formoterol (BGF): pooled analysis from the AURA Germany study
Kathrin Kahnert (München, Germany), Marija Halbach, Mohammed Dagher, Axel Krinner, Elena Garal-Pantaler, Hana Mullerova, Michael Pollack
Improvement in lung function after six months of treatment with extrafine formulation single-inhaler triple therapy (efSITT) in patients with asthma-TriMaximize Study
Christian Gessner (Leipzig, Germany), Valentina Bogojevska, Detlef Nachtigall, Richard Russell, Charlotte Suppli Ulrik, Wolfgang Pohl, Vicente Plaza, Arnaud Bourdin, Carl-Peter Criée, Frederik Trinkmann

All-cause mortality, cardiovascular mortality and major adverse cardiovascular events between triple therapy in a single inhaler versus LABA/ICS therapy and LABA/LAMA therapy: systematic review and meta-analysis
Ayoub Hammadi Ahmed (Granada, Spain), Bernardino Alcázar Navarrete, Clara Sánchez Hoyas, Antonio Menéndez Lobo, Alejandro Romero Linares, Lucia Alvarez Muro, Celia Crespo Jiménez, Angel Almansa López, Laura Casares Martín- Moreno, Andrea Jiménez Antón

Inhalation profiles of asthma patients inhaling a pressurized metered dose inhaler
Wendel Dierckx (Kontich, Belgium), Kris Ides, Yinka De Meyer, Erik Franck, Hosein Sadafi, Navid Monshi Tousi, Jan De Backer, Wilfried De Backer

Is single-inhaler triple therapy cost-effective versus multiple-inhaler triple therapy for COPD in Germany? The INTREPID trial
Stephen G Noorduyn (Mississauga, Canada), Kai-Michael Beeh, Dhvani Shah, Alan Martin, Robyn Kendall, Priyadarshini Dasari, Afisí S Ismaila, Jing Claussen

Preventer inhaler and rescue medication prescribing following a national formulary change
Alexander Rabin (Ann Arbor, United States), Sarah Seelye, Julien Weinstein, Cainnear Hogan, Hallie Prescott

Non-inferior relief of bronchoconstriction with salbutamol via Easyhaler dry powder inhaler compared to pressurised metered dose inhaler with spacer
Jussi Karjalainen (Kangasala, Finland), Ville Vartiainen, Antti Tikkakoski, Pekka L. Malmberg, Lisa Vuotari, Satu Lähelmä, Ulla Sairanen, Mikko Vahteristo, Lauri Lehtimäki

Rate of critical errors in inhaler device use in COPD and associated factors with poor inhaler technique: a multicenter study

Single inhaler extra fine triple therapy versus open triple therapy in COPD: TRIPOLI observational study
Javier López (Málaga, Spain), Daniel Vega, Mercedes Segura, Esther Sánchez, Eva Cabrera, José Luis Velasco

Predictors of cough in chronic lung disease
Barnaby Hirons (London, United Kingdom), Katie Rhatigan, Harini Kesavan, Richard Turner, James H Hull, Patricia Macedo, Katherine J Myall, Caroline J Jolley, Surinder S Birring, Peter S P Cho

Characteristics of chronic cough patients across Europe: A descriptive analysis from the ERS NEuroCOUGH CRC Registry

Assessment of chronic cough with numerical rating scale
Katie Rhatigan (Denmark Hill, United Kingdom), Barnaby Hirons, Harini Kesavan, Katherine J Myall, Grace Lavelle, Richard Turner, Caroline J Jolley, James Hull, Surinder S Birring, Peter S P Cho

Cough triggers in chronic lung disease
Barnaby Hirons (London, United Kingdom), Katie Rhatigan, Harini Kesavan, Richard Turner, James H Hull, Patricia Macedo, Katherine J Myall, Caroline J Jolley, Surinder S Birring, Peter S P Cho

Safety of ATP inhalation in healthy volunteers
Jenny King (Manchester (Greater Manchester), United Kingdom), James Wingfield-Digby, Rachel Dockry, Joanne Mitchell, Kimberley Holt, Shannon Galgani, Paul Marsden, Stephen Fowler, Jaclyn Smith
PA2134  Sputum induction in patients with chronic cough  
Elżbieta Magdalena Grabczak (Warszawa, Poland), Marta Dąbrowska, Katarzyna Białek-Gosk, Patrycja Nejman-Gryz, Paulina Misiukiewicz-Stepień, Magdalena Paplińska-Goryca, Rafał Krenke

PA2135  Feasibility study of a novel questionnaire to phenotype cough patterns and the associated perceived severity  
Caroline Wright (South Cave, United Kingdom), Rachel Thompson, Kayleigh Brindle, Alyson Morice

PA2136  Development of the McMaster Cough Severity Questionnaire (MCSQ) for patients with chronic cough  
Elena Kum (Hamilton, Canada), Gordon Guyatt, Rayid Abdulqawi, Peter Dicpinigaitis, Lieven Dupont, Stephen Field, Cynthia French, Peter Gibson, Richard Irwin, Paul Marsden, Lorean Mcgarvey, Jaclyn Smith, Woo-Jung Song, Daiana Stolz, Janwillem Kocks, Paul O’Byrne, Imran Satia

PA2137  Severity grading of the Leicester Cough Questionnaire in chronic cough  
Heikki Koskela (Kuopio, Finland), Johanna Kaulamo, Anne Lätti

PA2138  Development of claims and EHR-based algorithm for refractory chronic cough: CLeaR-CC  
Elizabeth P. Skinner (Durham, United States), Rafael Alfonso-Cristancho, Kieran J. Rothnie, Sarah Bandy, Richard H. Stanford

PA2139  Is there a relationship between real-time continuous cough monitoring and subjective cough assessment?  
Dominic Sykes (Hull, United Kingdom), Rohan Menon, Kayleigh Brindle, Jennifer Nielsen, Lola Jover, Peter Small, Matthew Rudd, Simon P Hart, Alyn H Morice, Michael G Crooks

PA2140  Cronic cough and laryngeal and neurological disease: a multidisciplinary evaluation experience.  
Marina Paredes Lopez (Barcelona, Spain), Alberto García De La Fuente, Aida Alejaldre Monforte, Mónica Egea Palma, Ada Cabero Roset, Eduardo Lehrer Coriat, Ebymar Arismendi

PA2141  Response to Gefapixant in the Cough Clinic: A Real-world Study  
Kayleigh Brindle (Cottingham, United Kingdom), Dominic Sykes, Louise Gregory, Jennifer Nielsen, Alyn Morice

PA2142  Cough-aggravating factors in major pulmonary diseases  
Taisuke Akamatsu (Shizuoka, Japan), Yutaro Kishimoto, Shogo Sakurai, Toshihiro Shirai

PA2143  Airway mucus plugs in chronic cough - preliminary study.  
Olga Truba (Warszawa, Poland), Joanna Zuchowska, Marta Dąbrowska

PA2144  Electronic cough recording: How to better reflect the patient experience?  
Alyn Morice (Cottingham, United Kingdom), Kayleigh Brindle, Steve Pawsey, Syed Kazmi

PA2145  Depleted airway nerves in patients with chronic cough due to RFC1-disorder  
Barnaby Hirons (London, United Kingdom), Chadwick Smith, Peter S P Cho, Richard Turner, William McNulty, Caroline J Jolley, James H Hull, Katie Rhatigan, Jordi Serra, Robert Hadden, Andrea Cortese, Mathew Drake, Surinder S Birring

PA2146  Diagnostic yield of flexible bronchoscopy and bronchoalveolar lavage in children with chronic cough.  
Lyzette Garcia (Toronto, Canada), Lisa Avery, Fiona Kritzinger

PA2147  The Sensations and Triggers of Coughing in Refractory/Uexplained Chronic Cough  
Jenny King (Manchester (Greater Manchester), United Kingdom), James Wingfield-Digby, Shannon Galgani, Rachel Dockery, Kimberley Holt, Joanne Mitchell, Jaclyn Smith, Paul Marsden

PA2148  A Comprehensive Survey of Chronic Cough Management Among Healthcare Professionals in Southern Italy  
Silvano Dragonieri (Bari (BA), Italy), Alessio Marinelli, Leonardo Maselli, Enrico Buonamico, Alessandro Palumbo, Fabrizio Diaferia, Alessandro Capuano, Giovanna Elisiana Carpagnano

PS-12  Session 224  08:00 - 09:30

Poster session: Physical activity and quality of life in chronic respiratory disease

Disease(s): Pulmonary vascular diseases, Airway diseases

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

Tag(s): Clinical

Chairs: Enrico M. Clini (Modena (MO), Italy), Pavol Pobeha (Košice, Slovakia)

European physician perspectives on multimorbidity in severe asthma: findings from SHARP CRC
PA2150 Physical activity in adult patients with asthma: trends over time (2014-2020)
Zichen Ji (Madrid, Spain), Javier De Miguel-Diez, Ana López-De-Andrés, José Javier Zamorano-León, Francisco José Caballero-Segura, Stephany Iovone Briones-Alvarado, Juan Pablo Utrilla-Marchand, Rodrigo Jiménez-García

PA2151 Exploring the journey of people with COPD to identify how COPD diagnosis is impacting and shaping the day-to-day real-life experiences.
Kamila Abutalieva (Sydney, Australia), Sinthia Bosnic-Anticevich, Lars Dijk, Katherine Borg, Renate Kat, Bandana Saini, Lynn Cheong, Biljana Cvetkovski

PA2152 Comparing the PUMA and CAPTURE questionnaires for screening for COPD in resource constrained settings
Lancelot Pinto (Mumbai, India), Soumya Kanti Ghatak, Sanjitha Muneeswaran, Payal Singh, Trupti Mane

PA2153 Choosing the Right Test: Five Sit-to-Stand vs. Four-Meter Gait Speed for Identifying COPD Patients
Khouloud Kchaou (Ariana, Tunisia), Sirine Jamli, Nadia Ben Lazreg, Chaima Briki, Salouia Ben Khamsa Jameleddine

PA2154 Exploring the relationship between patient-reported outcomes and early lung involvement in rheumatoid arthritis: A prospective study

PA2155 The Impact of Mediterranean Diet on Survival in Chronic Obstructive Pulmonary Disease
Jiun-Long Wang (Taichung, Taiwan), Yi-Ting Tsai, Chia-Lin Lee

PA2156 Physical activity and diet in mild-to-severe asthmatics: a cluster analysis
Elisa Riccardi (Massino Visconti, Italy), Alice Brillo, Mattia Brusamento, Vitina Carriero, Francesca Bertolini, Giuseppe Guida, Rossana Bellezza Fontana, Rodolfo Riva, Fabio Luigi Massimo Ricciardolo

PA2157 E-Nose based Analysis of Exhaled VOCs Spectrum Reveals Asthmatic Shifts and Consistency in Controls Post-Exercise and Spirometry
Silvano Dragonieri (Bari (BA), Italy), Marcin Di Marco, Madiha Ahroud, Vitaliano Nicola Quaranta, Ilaria Iorillo, Francesca Montagnolo, Maria Francesca Grimaldi, Agnese Caringella, Giovanna Elisiana Capigrano

PA2158 Gut metabolic profile and its clinical correlation in different stages of COPD
Yan Yu (Beijing, China), Xu Xie, Yuke He, Yali Zheng, Zhancheng Gao

PA2159 Relationship between the Severe Asthma Questionnaire and the EQ-5D-5L for health-related quality of life in the SHARP CRC registry

PA2160 Exploring the Relationship between Physical Frailty, Diaphragm Muscle Function, and Chronic Obstructive Pulmonary Disease Severity
Warda Jelassi (Tunis, Tunisia), Abir Hedhli, Khadija Euchi, Meriem Mjid, Yacine Ouahchi, Sana Cheikhrouhou, Sonia Toujani, Besma Dahri

PA2161 Usefulness of PUMA and CAPTURE questionnaires as case-finding tools of COPD in a L-MIC
Arturo Cortes-Telles (Merida (Yucatan), Mexico), Jose Ismael Juarez-De Dios, Esperanza Figueroa-Hurtado, Jonathan Alvarez-Pinto, Ernesto Prado-Mercado, Enrique Eduardo Olaya-Lopez, Yuri Noemi Pou-Aguilar, Diana Lizbeth Ortiz-Subero

PA2162 Exploration of specific domains within the COPD assessment test (CAT)
Jingge Qu (Beijing, China), Hongling Chu, Zhen Huang, Ying Liang, Xiao Hu, Yongchang Sun, Tao Ye, Paul Jones

PA2163 EXERCISE TOLERANCE IN POST-SARS-COV-2 PATIENTS WITH ISCHEMIC CARDIOPATHY
Jose Antonio Sanchez Paredes (ciudad de mexico, Mexico), Arturo Orea Tejeda, Dulce Gonzalez Islas, Susana Galicia Amor, Juan Carlos Garcia Hernandez, Esperanza Trejo Mellado, Ariel Garcia Hernandez, Celemi Vigil Lopez, Andrea Zurita Sandoval, Laura Arcos Pacheco, Emilio Gutierrez Luna, Tomas Peña Espinosa, Frida Albarran Lopez, Arantza Aguirre Mitchell

PA2164 GOLD classification pitfalls: beyond mMRC and CAT?
Alessandro Capuano (Bari, Italy), Eustachio Ricciardi, Sara Piccinno, Giovanni Sanasi, Marianna Cicchetti, Maria Francesca Grimaldi, Maria Rosaria Vulpì, Carla Santomasi, Fabrizio Diaferia, Andrea Portacci, Anna Violante, Ruben Infantino, Giovanna Elisiana Carpagnano

PA2165 The Energy Costs of Daily Physical Activities in Elderly People with Chronic Obstructive Pulmonary Disease
Mayura Nitesnoppakul (Bangkok, Thailand), Anan Ananpipatkul, Monvasi Pachinburavan, Worawan Sirichana
PA2166 Exploring Disease Acceptance Among COPD Patients: A Comprehensive Assessment at Agadir Hospital
sofia Farhat (agadir, Morocco), Hanane Ikrou, Nada Boutbagha, Selma Abedala, Hind Serhane

PA2167 What is the contribution of comorbid hypertension to the course of COPD?
Olha Boiko (Dnipro, Ukraine), Victoriya Rodionova

PA2168 Health-related quality of life and asthma control in patients receiving or not receiving biologic treatments for severe asthma. Data from SHARP CRC

PS-13 Session 225 08:00 - 09:30
Poster session: Taking control: advances in the management of asthma and allergic airways disease

Disease(s) : Airway diseases
Method(s) : General respiratory patient care, Public health, Cell and molecular biology, Epidemiology, Physiology, Pulmonary function testing
Tag(s) : Translational

PA2169 Personalized medicine for severe asthma: Machine learning guides biologic treatment choices.
Laila salameh (Dubai, United Arab Emirates), Salam Dhou, Sameer Alawneh, Assim Sagahyroon, Bassam Mahboub

PA2170 Real-world effectiveness of dupilumab vs benralizumab and vs mepolizumab in severe asthma: The EU-ADVANTAGE study

PA2171 Effectiveness of dupilumab vs omalizumab in patients with severe asthma – The EU-ADVANTAGE study

PA2172 BEHAVE: Benralizumab clinical efficacy, tolerability, and safety in real-world experience with home-based spirometry
Slagljana Stoshikj (Wien, Austria), Katharina Marth, Andreas Renner, Dominik Bernitzky, Christina Bal, Andreas Zech, Sonja Zehetmayer, Johannes Vilsmeier, Karin Patocka, Wolfgang Pohl, Marco Idzko

PA2173 Tezepelumab in Real life setting: elucidating the clinical effectiveness, tolerability, and safety in severe asthma patients
Slagljana Stoshikj (Wien, Austria), Katharina Marth, Andreas Renner, Christina Bal, Karin Patocka, Wolfgang Pohl, Marco Idzko

PA2174 Oral corticosteroids and biologics use in the Greek Severe Asthma Registry (GSAR)

PA2175 Impact of biologic initiation on oral corticosteroids in the International Severe Asthma Registry and the Optimum Patient Care Research Database: a pooled analysis
Real life effectiveness of Mepolizumab in a cohort of patients with severe eosinophilic asthma and nasal polyposis after 6 years of treatment: a single centre study
Antonio Caso (Trecase, Italy), Gerardo Nazzaro, Giuseppe Simonetti, Francesco Coppa, Lorena Gallotti, Anna Agnese Stanziola

Initiation of dupilumab led to reduced use of oral corticosteroids (OCS) and other medications over 12 months in patients with chronic rhinosinusitis with nasal polyps (CRSwNP): A US real-world practice study
Juby Anne Jacob-Nara (Orlando, United States), Stella Lee, Joseph K. Han, Joshua M. Levy, Zachary M. Soler, Lucia De Prado Gomez, Nehal Kamal, Scott Nash, Mark Corbett, Harry Sacks, Juby A. Jacob-Nara

Efficacy and Safety Analysis of Mepolizumab in the Treatment of Eosinophilic Granulomatosis with Polyangiitis
Changixng Ou (Guangzhou, China), Wenmin Lin, Yue Wu, QingLing Zhang

New onset EGPA in patients on biologics for severe asthma (SA)- a multi-centre case series
Hitashas Rupani (Southampton, United Kingdom), Aruna T. Bansal, Svetlana Sergejeva, Alexandra Nanzer, Marco Caminati, Peter Kopac, Zsuzsanna Csoma, Sabina Skrgat, Branislava Milenkovic, Kristina Bicksiene, Eleftherios Zervas, Els Weersink, Piotr Kuna, Valentyna Yasinka, Vratislav Sedlak, Paddy Dennison, Sasa Rink, Gary Anderson, Celeste Porsbjerg

The impact of mepolizumab therapy on Treg proliferation and exhaustion state
Tommaso Pianigiani (Siena, Italy), Paolo Cameli, Miriana D’Alessandro, Elena Bargagli, Laura Bergantini

The effects of Benralizumab on blood basophils in severe asthmatic patients: preliminary results
Cecilia Calabrese (Napoli (NA), Italy), Federica Massaro, Alessio Sola, Marco Balestrino, Chiara De Falco, Federica Garziano, Giuseppe Labruna, Francesco Perna

Real-world assessment of clinical remission in asthma with biologics
Peter Howarth (Brentford, United Kingdom), Kaiser Lim, Tom Corbridge, Lydia Lee, Hannah Barman, Mithun Manoharan, Safak Simsek, Tyler Wagner, Arjita Deb

Achievement of clinical remission in asthma subgroups based on the combination of FeNO and blood eosinophil counts
Reina Ishii (saitama, Japan), Tomoyuki Soma, Yuki Hoshino, Tatsuhiko Uno, Takeshi Asado, Erika Naito, Ryu Sekiya, Kazuki Katayama, Hitodoshi Iemura, Sachiko Miyauchi, Yoshitaka Uchida, Kazuuyki Nakagome, Makoto Nagata

Role of Allergen Immunotherapy and Omalizumab as an adjuvant in Asthma remission
Venkatesh Bhat (Mumbai, India)

Late Breaking Abstract - IL-33 enhances contractions and mast cell mediator release in isolated human bronchi
Maria Belikova (Stockholm, Sweden), Anna-Karin Johnsson, Johan Kolmert, Craig E. Wheelock, Willem Abma, Mamdoh Al-Ameri, Axel Dimberg, Erik Sachs, Kasra Vali Jalali, Mikael Adner, Gunnar Nilsson, Sven-Erik Dahlén, Jesper Såfholm

How, when and why AIT is prescribed in Italy: a real-life study conducted through a patient association
Emanuele Nappi (Rozzano, Italy), Giovanni Paoletti, Mattia Giovannini, Domenico Gargano, Luca Pecoraro, Simona Barbaglia, Giorgio Walter Canonica, Enrico Heffler

Real-life Adherence and Evidence of Sublingual Immunotherapy in Allergic Rhinitis and Asthma Among Tunisian Active-Duty Service Members
Yosr Aloulou (Manouba, Tunisia), Islam Mejri, Maelal Jabberi, Tasniime Znegui, Chiraz Aichaouia, Zied Moatemri

Increased inhibitory surface marker PD-1 expression in Th2+T cells in allergen-specific immunotherapy
Yun Liu (Xi’an, China), Xueyan Jie, Dan Wang, Hongju Da, Hongxin Li, Hongyan Zhao, Jin He, Jianghao Liu, Yu Ma, Zhihui Qiang, Zhuoyang Li, Haicheng Zhong

Poster session: Risk factors, incidence, prognosis and management of COVID-19 and other respiratory infections

Disease(s): Respiratory critical care, Airway diseases
Method(s): Epidemiology, Public health, General respiratory patient care, Respiratory intensive care
Chairs: Jagat Jeevan Ghimire (Kathmandu, Nepal), Chair to be confirmed

Peripheral blood indicators and COVID-19: an observational and Mendelian randomization study
Zhenglin Chang (guangzhou, Switzerland), Baoqing Sun

Healthcare Resources Utilization and Costs of Paediatric Patients with Long-COVID managed in the community in France
Jingyan Yang (New York, United States), Cheikh Tamberou, Elise Arnee, Pierre-Alexandre Squara, Ayoub Bouklhal, Haifa Romdhane Ben, Stéphane Fiévez, Jennifer Nguyen, Hannah Volkman, Jinna Ren, Pascal Crépey, Olivier Robineau
PA2191  Healthcare Resources Utilization and Costs of Adult Patients with Long-COVID managed in the community in France
Jingyan Yang (New York, United States), Cheikh Tamberou, Elise Arnee, Pierre-Alexandre Squara, Ayoub Boukhlal, Haifa Romdhane Ben, Stéphane Fiévez, Jennifer Nguyen, Hannah Volkman, Jinma Ren, Pascal Crépey, Olivier Robineau

PA2192  Consequences of post COVID-19 on general health and lifestyle among young adults: a population-based study
Ida Mogensen (Skarpnäck, Stockholm, Sweden), Sandra Ekström, Maria Ödling, Antonios Georgelis, Anne-Sophie Merritt, Sophia BJörkander, Jochen Schwenk, Erik Melén, Anna Bergström, Inger Kull

PA2193  Symptoms of the post-COVID syndrome at young adults
Anna V Demchuk (Vinnytsia, Ukraine), Tetyana V Konstantynovych, Anna Zagrebelska, Dariya Martynyuk, Yuliya Fedorovych

PA2194  Covid-19 mortality risk factors in the hospitalized patients in Sahloul University Hospital-Tunisia
Arwa Neffati (Tunis, Tunisia), Hela Ghali, Sana Bhiri, Habiba Ben Hamada, Balsami Kacem, Mohamed Benrejeb, Asma Ben Cheikh, Mohamed Kahoul, Halim Trabelsi, Walid Naija, Houyem Said

PA2195  Defining a long COVID ‘expotype’ within the P4O2 COVID-19 study
Laura Houweling (Utrecht, Netherlands), Judith Holtjer, Lisan Bloemsma, Lützen Portengen, Jelle Blankestijn, Anke-Hilse Maitland-Van Der Zee, Roel Vermeulen, George Downward

PA2196  Impact of the COVID-19 pandemic on home mechanical ventilation in Germany
Sarah Bettina Stanzel (Köln, Germany), Maximilian Wolschings-Strobel, Daniel Sebastian Majorski, Doreen Kroppen, Melanie Berger, Falk Schumacher, Maximilian Zimmermann, Windisch Wolfram

PA2197  Long-term sequelae following severe Covid-19 infection based on prior vaccination status.
Laura Alcarraz Vázquez (Zaragoza (Zaragoza), Spain), Anna Vila Fornells, Sally Santistive, Maria Aguila, Aida Monge, Nuria Forns Parial, Rafaela Vaca Molina, Olga Minguex Roure, Maria Zuil Moreno, Ivan D. Benitez, Clara Gort-Paniello, Anna Moncusi-Moix, David De Gonzalo-Calvo, Ferrán Barbé, Jessica González

PA2198  Hospitals for lower respiratory tract infections in adults with and without chronic respiratory disease during and after COVID-19 pandemic
Alexandre Elabbadi (Paris, France), Lucie Brun-Buisson, Didier Guillemot, Muriel Fartoukh, Laurence Watier

PA2199  Tuberculosis in Children in Bulgaria in the period 2007-2022
Mariya Tyufekchieva (Sofia, Bulgaria), Angelina Yaneva

PA2200  Acute Lower Respiratory Tract Disease remains a significant disease following the COVID19 pandemic
Catherine Hyams (Bristol, United Kingdom), Robert Challen, Elizabeth Begier, Maria Lahuerta, Jo Southern, Serena Mequinness, James Campling, Jennifer Oliver, Andrew Vyse, Negar Aliabadi, Nick Maskell, Bradford Gessner, Leon Danon, Adam Finn

PA2201  High prevalence of Antithyroid antibodies in Long COVID fatigue patients
Ana Rita Gaspar Ribeiro (Portimão, Portugal), Cátia Saraiva, Benedita Ferreira, Inês Simões, Joana Moutinho, Inês Belchior, Nuno Lopes, Cláudia Guerreiro, Helena Ramos, Djamila Neves, Ulisses Brito, Lígia Pires

Isabel Jiménez Reyes (Madrid, Spain), Doylith Carol García Montero, Irene Hortanaya Navas, María Reyes Sánchez Jaldo, Angela Ramos Pinedo, Jose Francisco Valverde Canovas, Juan Carlos Sanz Moreno, Irene Torres Arroyo

PA2203  Prevalence and clinical outcome of Respiratory Syncytial Virus (RSV) and Influenza in COPD patients hospitalized with acute exacerbation
Michael Kassirer (Nof Ayalon, Israel), Nitzan Sagie, Michal Gordon, Bracha Cohen, Yael Raviv

PA2204  TB: Tip of the iceberg or a pandemic in the making - again?
Naomi Earl (Tunbridge Wells, United Kingdom), Burhan Khan, Sudhir Lohani

PA2205  Evaluating pneumococcal vaccine strategies in older adults in Germany: proficiency and cost-utility
Kahkashan Mahreen (Halle (Saale), Germany), Myka Harun Sarajan, Alexander Kuhlmann

PA2206  Community-Acquired Pneumonia in Centenarian Elderly Individuals
Raquel Alexandra Dos Santos Silva (Setúbal, Portugal), Inês Marques Macedo, Maria Luís Branca, Fernanda Paula, Henrique Oliveira, Filipe Froes

PA2207  Domiciliary Non-Invasive Ventilation in COPD Patients: Reducing the number of exacerbations and improving Outcomes.
Mayssa Chariag (Tunis, Tunisia), Ines Moussa, Lenda Benhmida, Hana Mrassi, Tarek Cherif, Oumaima Bziouech, Imen Sahnoun, Leila Douik Elgharbi
Poster session: Occupational carcinogens and underlying mechanisms

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

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

**Tag(s):** Clinical, Translational

**Chairs:** Sara De Matteis (Milan, Italy), Steven Ronsmans (Leuven, Belgium)

- **PA2208**
  Allostatic load in incident airflow obstruction: Evidence for syndemics?
  Mohammad Azizzadeh (Vienna, Austria), Robab Breyer-Kohansal, Sylvia Hartl, Mariana Radu-Piuk, Emiel F M Wouters, Marie-Kathrin Breyer

- **PA2209**
  Clinical, spirometric, radiological characteristics and disease biomarkers in a silicosis patients cohort in north Sardinia-Italy
  Barbara Piras (Sassari, Italy), Elisabetta Zinellu, Eneta Albrahimii, Antonia Lecerase, Vanessa Bacile, Sara Solveig Fois, Biagio Di Lorenzo, Stefano Zoroddu, Alessandro Giuseppe Fois, Angelo Zinellu, Pietro Pirina

- **PA2210**
  Artificial Stone Silicosis: the first UK case series
  Johanna Feary (London, United Kingdom), Joanna Szram, Matthew Burton, Felix Chua, Robina Coker, Arnab Datta, Richard Hewitt, Maria Kokosi, Vasilis Kouranos, Carl Reynolds, Clare Ross, Veronica Smith, Katie Ward, Melissa Wickremasinghe, Anand Devaraj

- **PA2211**
  Frequency of rheumatic diseases, tuberculosis and premature deaths and related factors in patients with silicosis
  Özlem Kar Kurt (Istanbul, Turkey), Seyma Karaketir, Derya Giakoup, Elif Altundas Hatman, Zeki Kilçhaslan

- **PA2212**
  A retrospective cohort study of interstitial lung abnormalities in pneumoconiosis
  Qiao Ye (Beijing, China), Ziyun Guo, Yuanying Wang, Di Sun, Yawen Song, Xuqin Du

- **PA2213**
  Cases of pneumoconiosis in workers working on Teflon-coating.
  Daeho Kim (Incheon, Republic of Korea), Wonseok Cha

- **PA2214**
  Cancer and work sector: an analytical epidemiological study in Italy
  Sara Maio (Pisa (PI), Italy), Giuseppe Sarno, Anna Angino, Ilaria Stanisci, Sofia Tagliaferro, Giovanni Vegi, Carolina Mensi, Lucia Miligi, Stefania Massari, Claudio Gariazzo, Annibale Biggeri, Dolores Catelan, Sandra Baldacci

- **PA2215**
  The role of microRNAs as diagnostic and prognostic biomarkers of asbestos-related lung cancer: a systematic review and meta-analysis.
  Debraj Mukhopadhyay (Cagliari, Italy), Pierluigi Cocco, S Orrù, Roberto Cherchi, Sara De Matteis

- **PA2216**
  Glycolysis alteration drives silica-induced NLRP3-dependent pyroptosis through promoting lactylation modification
  Xiaojie You (Wuhan, China), Yujia Xie, Pei Yu, Yingdie Zhang, Shiyu Yang, Jixuan Ma, Weihong Chen

- **PA2217**
  Mode of actions of nanomaterial-induced respiratory toxicity
  Carola Voss (Hanover, Germany), Lianyong Han, MESHAL ANSARI, Maximilian Strunz, Verena Haefer, Ilias Angelidis, Christoph Mayr, Trine Berthing, Carol Ballester-Lopez, Thomas Conlon, Qiongliang Liu, Hongyu Ren, Zhou, Ötmar Schmid, Alex Onder Yildirim, Markus Rehberg, Ulla Vogel, Janine Gote-Schniering, Fabian J. Theis, Herbert B. Schiller, Tobais Stoeger

- **PA2218**
  Effects of silica dust from silica agglomerates countertops in cellular signalling pathways
  Antonio Campos-Caro (Cádiz, Spain), Alejandro Garcia- Nuñez, Gema Jiménez-Gómez, Antonio Leon Jimenez

- **PA2219**
  Single-Cell RNA Sequencing Identifies Spp1+ Macrophage Subpopulation as a Target for Alleviating Silica-Induced Pulmonary Fibrosis
  Dr Su (Beijing, China), Yuanying Wang, Ruimin Ma, Jingwei Wang, Qiao Ye

- **PA2220**
  Compositional changes in pulmonary surfactant among welding fume exposed associated with oxidative stress and inflammation
  Alexander Holm (Gothenburg, Sweden), Sanna Kjellberg, Per Larsson, Linus Schöler, Mats Josefsson, Anna-Carin Olin

- **PA2221**
  Welding fumes and COVID-19 – a dangerous liaison
  Sanna Kjellberg (Trollhättan, Sweden), Alexander Holm, Spela Kokelj, Anna-Carin Olin

- **PA2222**
  Evaluation of occupational and environmental exposures and related findings in patients with sarcoidosis
  Özlem Kar Kurt (Istanbul, Turkey), Elif Altundas Hatman, Burcu Babaoglu Elkatroushi, Erdogan Çetinkaya

- **PA2223**
  Radiation-induced Lung Cancer in victims of The Chernobyl NPP accident in the remote postaccidental period
  Viktor Sushko (Kyiv, Ukraine), Olena Kolosynska, Olena Apostolova, Stanislav Ustinov
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<td>PA2224</td>
<td>Short latent period of chronic silicosis: a case series</td>
<td>Shlomo Moshe (Rishon Letzion, Israel), Yael Ofri Sahar Kostis, Rachel Raanan</td>
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<td>PA2225</td>
<td>A case series on Silicotic Broncho-stenosis</td>
<td>Velraj Ravichandran (Salem, India)</td>
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<td>PA2226</td>
<td>Clinical and Epidemiological Profile of Patients with Pulmonary Silicosis at Hassan II Hospital in Agadir</td>
<td>Oussama HALLOUMI (AGADIR, Morocco), Aboubakr Imzil, Selma Abdala, Hind Serhane</td>
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<td>PA2227</td>
<td>Evaluating the impact of coal-fired thermal power plants on morbidity in Yatağan, Türkiye</td>
<td>Selin Çakmakci Karakaya (Ankara, Turkey), Sebahat Genç, Sabri Serhan Ölcay, Merve Erçelik Konçak, Deniz Gümüşel, Jale Yağuz, Nilüfer Aykaç, Ahmet Üğur Denir, Ozan Devrim Yay, Ali Kocabas, Ali Osman Karababa</td>
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<td>PA2228</td>
<td>Assessment of health and environmental risk perception in a Tunisian population: A cross-sectional survey</td>
<td>Besma Hamdi (Tunis, Tunisia), Sabrine Louhaichi, Sarra Trimech, Yasmine Haddar, Aymen Jebali, Aef Shkiri, Jamel Ammar, Agnès Hamzaoui</td>
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**PS-16**

**Session 228** 08:00 - 09:30

**Poster session: Inhalation devices: adherence, medicines and transition of care**

**Disease(s):** Airway diseases  
**Method(s):** General respiratory patient care  
**Physiology**  
**Public health**  
**Pulmonary function testing**  
**Epidemiology**

**Chairs:** Katharina Kainz (Wien, Austria), Tamara Paff (Rotterdam, Netherlands)

| PA2229  | Inhaled corticosteroid delivery is markedly affected by breathing pattern and valved holding chamber model | Laura Ojanperä (tampere, Finland), Lauri Lehtimäki, Heini Huhtala, Péter Csonka |
| PA2230  | Reducing environmental footprint of asthma treatments by promoting appropriate inhaler disposal. | Sonal Kansra (Sheffield (South Yorkshire), United Kingdom), Samantha Flowers |
| PA2231  | Real-world digital inhaler (DSI) monitoring in children with uncontrolled Asthma | Pooja Devani (Leicester, United Kingdom), Sarah Popple, Lesley Danvers, Eliza Trim, Lattricia Pawlick, David Lo, Vinayak Rai, James Hadwin, Erol Ghilard |
| PA2232  | Inhaler technique among asthmatic children: common errors and impact on asthma control | Farah Garci (Ariana, Tunisia), Besma Hamdi, Sabrine Louhaichi, Chaima Turki, Yosra Bellil, Syrine Abdelmoumen, Syrine Arfa, Jamel Ammar, Agnes Hamzaoui |
| PA2233  | Comparative analysis of pediatric face mask sealing with valved holding chambers | Andrea Winzen (Gräfelfing, Germany), Luisa Roßmann, Karin Steinführer, Yvonne Burmeister, Arshan Perera, Rosina Ledermüller |
| PA2234  | A 5-year analysis of wheezy children managed by the children’s ‘Ambulatory Care Experience’ team at Bradford Royal Infirmary (BRI) | Anil Shenoy (Bradford, United Kingdom), Alyce Hayes, Mathew Mathai, Emma Morrison |
| PA2235  | Exploring General Practitioners’ Perspectives on Transitioning Patients with Asthma: A Qualitative Interview Study | Luna Antonino (Edegem, Belgium), Kim Van Hoorenbek, Josefine Van Olmen, Natwarin Janssens, Delphine De Smedt, Ann Van Hecke, Lisa Van Wilder, Karsten Vanden Wyngaert, Stijn Verhulst, Eva Goossens |
| PA2236  | Investigating challenges and elements of transitional care in young people with asthma: A systematic review | Luna Antonino (Edegem, Belgium), Kim Van Hoorenbek, Josefine Van Olmen, Yaël Vanharen, Natwarin Janssens, Stijn Verhulst, Eva Goossens |
| PA2237  | Comparison of As-Required versus Regular Weaning Inhaled Salbutamol Post-Acute Wheezing | Kah Wee Teo (Glenfield, United Kingdom), Dylan Whitaker, Karena Fraser |
| PA2238  | 11-year longitudinal asthma trajectories based on dispensed medications in a population-based Swedish birth cohort | Daniil Lisik (Gothenburg, Sweden), Göran Wennergren, Hannu Kankaanranta, Rani Basna, Syed Ahmar Shah, Frida Strömberg Celind, Emma Goksör, Bright Nwaru |
| PA2239  | Adherence to smart inhalers in a clinical trial of preterm-born children | Ella Kotecha (Cardiff, United Kingdom), Michael Cousins, Kylie Hart, W. John Watkins, Sarah J Kotecha, Saillek Kotecha |
| PA2240  | The adherence to the allergic rhinitis symptom diary application in young asthmatics | Tiina Tanninen (HELSINKI, Finland), Anna Pelkonen, Mika J. Mäkelä |
| PA2241  | Towards non-invasive home monitoring of children with asthma, a clinical cohort study | Casper Gijsen (Maastricht, Netherlands), Jan Lucas, Marieke Van Horck, Eric De Groot, Jean Muris, Edward Dompeling |
Video directly observed therapy (v-DOT) for achieving and sustaining mastery of inhaler and nasal spray technique in children and young people: A randomised pilot study.
Kathryn Ferris (Bangor, United Kingdom), Paddy Mc Crossan, Michael Shields, James Paton, Dara O'Donoghue

Prescription practices of inhaled corticosteroids in combination with long-acting beta2 agonists in Indian children with asthma: Results of the RAINBOW survey
Subhashis Roy (Kolkata (West Bengal), India), Srinivas Jakka, Swapna Nair, Vaishali Naik, Meena Lopez, Jaideep Gogtay

Benefits of inhalation chambers in Tunisian children with asthma
Chaima Turki (ariana tunis, Tunisia), Basma Hamdi, Sabrine Louhaichi, Yosra Bellil, Sirine Arfa, Sarra Abdelmoumen, Jamel Ammar, Agnes Hamzaoui

Late Breaking Abstract - Mepolizumab treatment in children and adolescents with severe eosinophilic asthma (CASAM)-A real-world study:initial analysis
Latika Gupta (London, United Kingdom), Ines De Mir Messa, Jose Valverde-Molina, Clare Murray, Ana Diez Izquierdo, Ana Martinez Canavate, Katharine Pike, Carolina Diaz Gracia, Alicia Callejon Callejon, Prasad Nagakumar, Olga De La Serna Blazquez, James Cook, Laura Valdesorio, Juan Navarro Moron, Mirella Gaboli, Silvia Castillo Corullon, Alvaro Gimeno Díaz De Atauri, Pilar Caro Aguiler, Jaime Lozano Blasco, Yolanda Aliaga, Alejandro Lopez Neyra, Andrew Turnbull, Paula Corcuera Elosegui, Chinedu Nwokoro, Atul Gupta

Fostering independence: A comprehensive understanding of youth’s experiences throughout the stages of healthcare transition in common chronic conditions.
Naturwin Janssens (Wilrijk, Belgium), Lisa Van Wilder, Ann Van Hecke, Karsten Vanden Wyngaert, Kim Van Hoorenbeek, Delphine De Smedt, Eva Goossens

The direct cost of medication in asthmatic Greek children
Nikolaos Karantaglis (Thessaloniki, Greece), Fotios Kirvassilis, Kalliopi Kontouli, Antonios Gkantaras, Maria Emporiadou, John Tsanakas

Quality-of-life assessment in childhood asthma: A cross-sectional validation of the mini version of Pediatric Asthma Quality of Life Questionnaire in Indian children
Jagdish Prasad Goyal (Jodhpur (Rajasthan), India), Saurabh Agarwal, Prawin Kumar

Poster session: New insights in diffuse lung diseases

Comparison of olfactory and gustatory function in children and adolescents with Cystic Fibrosis and Primary Ciliary Dyskinesia with healthies
Anne Schlegtendal (Bochum, Germany), Lea Christiane Beermann, Lisa Sophie Demski, Stefanie Dillenhöfer, Claire Mallon, Christoph Maier, Folke Brinkmann, Anna Hoffmann, Thomas Lücke

Automatic mucus plugging analysis on chest computed tomography in children with primary ciliary dyskinesia
Harm Tiddens (Rotterdam, Netherlands), Federico Mollica, Breanna Kinghorn, Daan Caudri, Stephanie Davis, Thomas W. Ferkel, Margaret W. Leigh, Punit Makani, Erin Sullivan, Kelli Sullivan, Margaret Rosenfeld, Harm A. W. M. Tiddens

A decade of lower respiratory sampling in paediatric PCD
Julie Simpson (Birmingham, United Kingdom), Elisabeth Curtis, Anne Armitage, Deepa Patel, Priti Kenia

Diagnostic clinical pathway in primary ciliary dyskinesia in Italy
Nicoletta Mulina (Roma (RM), Italy), Adriana Fracchiolla, Alessandra Boni, Valentina Agnesi Ferraro, Valentina Fainardi, Priscilla Molinaro, Valentina Tonazzo, Renato Cutrera

Move-PCD: A multicentre longitudinal randomized controlled trial on the effect of a 6-month individualized and supervised physical activity program on quality of life in children, adolescents, and adults with Primary Ciliary Dyskinesia
Stefanie Dillenhöfer (Dortmund, Germany), Anna Teresa Hoffmann, Anna Mai, Anne Schlegtendal, Christoph Maier, Julien Stein, Klaus Baum, Marianne Tokic, Thomas Lücke, Nina Timmesfeld, Folke Brinkmann

Ciliary videomicroscopy performed at room temperature or at 37°C is efficient to diagnose primary ciliary dyskinesia
Céline Kempeneers (Liège, Belgium), Romane Bonhiver, Lionel Benchimol, Olivier Hougrand, Julie Harvenget, Elisa Docampo Martinez, Adeline Jacquinet, Ammar El Kheir, Anne-Lise Poirrier, Clara Pauly, Françoise Guissard, Catherine Moermans, Doriane Calmés, Renaud Louis, Noémie Bricmont
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**PA2255**
Experience With Flexible Bronchoscopy as A Useful Diagnostic And Treatment Tool In Patients Diagnosed With Non-Cystic Fibrosis Bronchiectasis: A Single-Center Study
Merve nur Tekin (Ankara, Turkey), Fazılcan Zirek, Secahattin Bayav, Mukaddes Ağrıtuçi, Esin Gizem Olgun, Mahmut Turgut, Semra Kuşlık Özrük, Gizem Özcan, Nazan Çobanoğlu

**PA2256**
Primary ciliary dyskinesia: a multicenter study assessing genotype -phenotype association in Italy.
Laura Petrarca (Roma (RM), Italy), Valentina Guida, Raffaella Nenna, Alessandro De Luca, Piercarlo Poli, Maria Giulia Conti, Giuseppe Cimino, Antonella Frassanito, Enrica Mancino, Greta Di Mattia, Fabio Midulla

**PA2257**
Bronchoalveolar Eosinophilia in children with protracted bacterial bronchitis
Vasilis Grammeniatis (IOANNINA, Greece), Marios Papadopoulos, Dafni Moriki, Priftis Kostas, Douros Kostas

**PA2258**
Inflammatory parameters and innate lymphoid cells in childhood interstitial lung diseases: a prospective study
Mina Hizal (Ankara, Turkey), Sevil Oskay Haşlanç, Halime Nayar-Büyükşahin H., Büşra Çiftçier, Kevser Yılmaz, Nagehan Emrilioglu Ordukaya, Salıha Esenboğa, Deniz Çağdaş Ayvaz, Ebru Yalçın, Deniz Doğru, Uğur Öztelik, Nural Kiper, Feyzi İlhan Tezcan

**PA2259**
Rare ABCA3 Gene Mutation: Clinical Presentation and Treatment in Infancy and Childhood
Zeliha Başak Polat (İstanbul, Turkey), Gülay Bilgin, Sinem Can Oksay, Deniz Mavi Toropt, Zeynep Reyhan Onay, Saniye Girit

**PA2260**
Late Breaking Abstract - Risk Factors for Adverse Respiratory Outcomes in Infants with Congenital Lung Malformations
Oishi Sikdar (London, United Kingdom), Christopher Harris, Ancuta Muntean, Niyi Ade-Ajayi, Shailesh Patel, Mark Davenport, Anne Greenough

**PA2261**
Late Breaking Abstract - Complementary effect of pleuran on asthma control in children with partly controlled perennial asthma
Miloš Jesethák (Martin, Slovakia), Martin Hrubisko, Jerzy Chudek, Jaromir Bystron, Zuzana Rennerova, Zuzana Diamant, Juraj Majtan, Andrezj Emeryk

**PA2262**
“He feels his breathing is back to normal”: Diaphragm Position and Patient-Reported Outcomes Following Phrenic Nerve Reconstruction for Diaphragm Paralysis.
Matthew Kaufman (Shrewsbury, United States), Jimmy Naipaul, Thomas Bauer, Reza Jarrahy, Jeannine Sico, Edward Caruana

**PA2263**
Diffuse idiopathic pulmonary neuroendocrine cell hyperplasia (DIPNECH) incidentally diagnosed after lung surgery: analysis of a large cohort of consecutive patients
Maria Giovanna Mastromarino (Pisa, Italy), Andrea La Rosa, Diana Bacchin, Greta Ali, Iosè Di Stefano, Vittorio Aprile, Stylianos Korasidis, Marcello Carlo Ambrogi, Marco Lucchi

**PA2264**
Management practice and outcome for primary spontaneous pneumothorax – a retrospective study
Jackson Ka Chun Leung (Hong Kong, Hong Kong), Chi Leung David Lam

**PA2265**
RESECTED CHEST WALL TUMORS IN CHILDREN: MONOCENTRIC EXPERIENCE
Wassim Chaieb (Ariana, Tunisia), Zied Chaari, Emma Krichen, Aymen Ben Ayed, Abdessalem Hentati, Imed Frihka

**PA2266**
Pulmonary resection for massive hemothorax: Over 20 years of experience
Wassim Chaieb (Ariana, Tunisia), Imen Bouaïda, Ali Ben Salem, Amina Abdellkabir, Mehdi Abdennadher, Hazem Zribi, Marghli Adel

**PA2267**
Association of preoperative spirometry with postoperative pulmonary complications and prolonged length of hospital stay following coronary artery graft surgery
Jack Reeves (Sydney, Australia), Paul Bannon, Daniel Steffens, Sharon Carey

**PA2268**
The cornerstone of hydatidosis of the chest wall: Recurrence
Asma Saad (Ariana, Tunisia), Imen Bouaïda, Amina Abdellkabir, Mahdi Abdennadher, Sarra Zairi, Hela Cherif, Hazem Zribi, Adel Marghli

**PA2269**
Late Breaking Abstract - Surgical Outcomes of Synchronous Multiple Primary Lung Cancers With More Than Three Lesions
Wenxin Luo (Chengdu, China), Weimin Li
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| **PA2270**  | Videolaryngoscopy is associated with a lower rate of double-lumen endotracheal tube malposition in thoracic surgery procedures, retrospective single-center study  
Güntüğ Batıhan (Kars, Turkey), Soner Kına, İhsan Topaloğlu |
| **PA2271**  | Tracheal stenosis: surgical management and results  
Wassim Chaieb (Ariana, Tunisia), Hamdi Siwar, Abdelkbir Amina, Saidani Wifek, Abdennadher Mahdi, Maazaoui Sarra, Zribi Hazem, Marghli Adel |
| **PA2272**  | SURGICAL TREATMENT OF RECURRENT TRACHEAL STENOSIS AFTER SURGERY  
Feriel Souissi (Tunis, Tunisia), Mohamed-Sadok Boudaya, Yosr Ben Attig, Selma Madhi, Malak Rammeh, Anis Ben Dhaou, Mariem Bouchekoua, Emna Ben Jemia, Haifa Zaibi |
| **PA2273**  | Are patients aware of their risk of further recurrence after index pneumothorax surgery?  
Edward Caruana (Kegworth, United Kingdom), Neil Greening, Iain Stewart |
| **PA2274**  | Chondrosarcomas of the chest wall: a report of 17 cases.  
Wassim Chaieb (Ariana, Tunisia), Amina Abdelkebir, Wassim Cheib, Imen Bouassida, Aby Ben Seleim, Ines Moussa, Mahdi Abdennadher, Nizar Fitouhi, Hazem Zribi, Adel Marghli |
| **PA2275**  | Surgical treatment of tracheal stenoses in an emerging country  
Feriel Souissi (Tunis, Tunisia), Mohamed Sadok Boudaya, Yosr Ben Attig, Selma Madhi, Malak Rammeh Rammeh, Anis Ben Dhaou, Mariem Bouchekoua, Emna Ben Jemia, Haifa Zaibi |
| **PA2276**  | Challenges in Robotic thymectomy: stage IVa Myasthenia Gravis pediatric patient  
Delia Giovannelli (Avellino, Italy), Sara Ricciardi, Mattuccia Francesco, Mauro Calvani, Silvia Rogante, Monica Mucciarioue, Luigi Tritapepe, Giuseppe Cardillo |
| **PA2277**  | When a congenital disorder meets genetics  
Benedita Teixeira Custódio Gonçalves Ferreira (Albufeira, Portugal), Cátia Saraiva, Ligia Pires, Rita Ribeiro |
| **PA2278**  | Mediastinal cystic lymphangiomas: a single institution experience  
wifek SAIDANI (Ariana, Tunisia), Amina Abdelkebir, Ahmed Lasmer, Imen Bouacida, Mahdi Abdennadher, Nizar Fitouhi, Sarra Maazaoui, Hazem Zribi, Adel Marghli |
| **PA2279**  | Minimally invasive repair of pectus excavatum: report of a beginning experience  
Sarra Zairi (Tunis, Tunisia), Habib Bessrour, Imen Bachouch, Mehdi Abdennadher, Hazem Zribi, Meriem Affes, Mohamed Zairi, Nizar Fitouhi, Soroa Fenniche, Saoussen Hantous, Mohamed Nabil Nessib, Taher Mestiri, Adel Marghli |
| **PA2280**  | Management of primary spontaneous pneumothorax in marijuana smokers: about 81 cases  
Olfa Ben Moussa (Tunis, Tunisia), Emna Ben Jemia, Hend Ouertani, Mohamed Sadok Boudaya, Yosr Ben Atig, Jihene Ben Amar, Haifa Zaibi, Hichem Aouina |
| **PA2281**  | Infertility resolved after proper thoracic assessment: A case of disseminated endometriosis  
Shaya Alshaya (Riyadh, Saudi Arabia), Riyad Allehebi, Ghada Alhaddaq |
| **PS-19**   | Poster session: Contemporary nursing |
| Disease(s) : | Interstitial lung diseases Airway diseases Respiratory critical care Pulmonary vascular diseases |
| Method(s) :  | General respiratory patient care Public health Pulmonary function testing Pulmonary rehabilitation Transplantation Palliative care Epidemiology |
| Chairs :     | Karen Heslop-Marshall (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Liliana Silva (Matosinhos, Portugal) |
| **PA2282**  | Handgrip strength and cognitive function among older adults with COPD  
Jungeun Lee (Kingston, United States) |
| **PA2283**  | Measuring self-care behaviours of a portuguese population with COPD: descriptive study  
Rui Pedro Marques da Silva (Sobreira – Paredes, Portugal), Hélder Freitas Cunha, José Miguel Padilha |
| **PA2284**  | Translation and cultural adaptation of the Self-Care in COPD inventory to Portuguese  
Rui Pedro Marques da Silva (Sobreira – Paredes, Portugal), Hélder Freitas Cunha, José Miguel Padilha |
| **PA2285**  | Psychometric properties of the portuguese version of the Self-Care in COPD inventory  
Rui Pedro Marques da Silva (Sobreira – Paredes, Portugal), Hélder Freitas Cunha, José Miguel Padilha |
| **PA2286**  | Impact of multimorbidity on sleep and depressive symptoms among individuals living with COPD  
Jungeun Lee (Kingston, United States) |
Quality of life is related to psychological distress in patient with PE
Julia Raya Benitez (Granada, Spain), Ana Belén Gámiz Molina, Andrea María Mendoza Barrios, Ana Isabel Rubio López, Laura López Lópeze, Marie Carmen Valenza

The transition experience in the lung transplant process
Andrea Pereira (Lisbon, Portugal), sonia Morgado, Filipa Veludo, Isabel Rabiais

How the level of education of medical professionals engaged in lung transplantation affects their personal quality of life index
Barbara Mužar (Zagreb, Croatia), Dijana Halilovic, Andreja Sajnic, Tanja Zovko, Ana Zivkusic, Irena Godic, Miroslav Samaržija

A systematic review to explore the impact of cardiac sarcoidosis on health-related quality of life
Juan Carlos Quijano-Campos (London, United Kingdom), Neha Sekhri, Muhunthan Thillai, Elizabeth Blower, Lawrence Othen-Price, Elizabeth Murphy, Herbert Clarke, Joanna Whight, Julie Sanders

Exploring the impact of cardiac sarcoidosis on health-related quality of life: interviews for item-generation
Juan Carlos Quijano-Campos (London, United Kingdom), Neha Sekhri, Muhunthan Thillai, Elizabeth Blower, Herbert Clarke, Elizabeth Murphy, Lawrence Othen-Price, Joanna Whight, Julie Sanders

Counselling and consenting patients to start nintedanib for progressive pulmonary fibrosis (PPF) in a group setting: results from a patient feedback survey
Katie Zakis (Manchester, United Kingdom), Helen Morris, Jenna Swale, Annie Barker, Rebecca Waye, Kate Newman, Theresa Garfoot, Holly Montgomery, Pilar Rivera-Ortega, Janet Johnston, Conal Hayton

The cost-effectiveness of counselling and consenting patients to start nintedanib for progressive pulmonary fibrosis (PPF) in a group setting: early experiences from a UK tertiary centre
Katie Zakis (Manchester, United Kingdom), Helen Morris, Jenna Swale, Annie Barker, Rebecca Waye, Kate Newman, Theresa Garfoot, Holly Montgomery, Pilar Rivera-Ortega, Janet Johnston, Conal Hayton

Patient perspectives on outgoing COPD specialist function at the hospital
Helle Marie Christensen (Tommerup, Denmark), Camilla Bjerre Andersen

Alpha-1 Antitrypsin Deficiency Patients’ Experiences with Self-Administering Intravenous Treatment
Nanna Vendelboe Gregersen (Aarhus N, Denmark), Birgit Refsgaard

Lifestyle Influence on Spirometry in Survivors of Childhood Acute Lymphoblastic Leukemia: A Comparative Study
Anne Marie Ryberg (Aarhus, Denmark), Dorthe Hausted, Sonja Izquierdo Riss Meyer, Sune Leisgaard Mørk Rubak

The experience of people with idiopathic pulmonary fibrosis living through the Covid-19 pandemic
Noëlle Ryan (Limerick, Ireland), Aidan O’Brien, Brian Casserly, Pauline Meskell

A review of pulmonary fibrosis patients experience of the advanced nurse practitioner satellite clinic. McInerney, C., Ryan, P., Cullinan, M., O’Brien, A. Department of Respiratory Medicine, University Hospital Limerick Group, Ennis and Nenagh Hospitals
Carmel McInerney (Ennis, Ireland)

Feasibility of an integrative multidimensional palliative care intervention for patients with pulmonary fibrosis (MuST-PF)
Lian Trapman (Zoelmond, Netherlands), Lea Dijksman, Saskia Teunissen, Everlien De Graaf, Jan Grutters

Impact of nutritional status on quality of life and inflammation in patients with bronchiectasis

Effect of Pranayama Yoga on Symptoms, Fatigue and Respiratory Parameters in Individuals with COPD
Selman celik (Istanbul, Turkey), Siddika Oguz, Huriye Berk Takir
Comprehensive review of interstitial lung disease (ILD) specialised service provision and workforce in England
Marium Naqvi (London, United Kingdom), Rosie Boorsma, Joshua Burrough, Laura Fabbrri, Janine Hood, Lyndsey Langlands, Alexandra Lawrence, Katleen Leecouve, Jenny Lynch-Wilson, Carmel Mcinerney, Kerry Mills, Sarah Mulholland, Geeti Vekaria, Nazia Chaudhuri, Lisa Spencer, Alex West

Can interstitial lung disease (ILD) be managed in local respiratory services?
Marium Naqvi (London, United Kingdom), Joanne Dallas, Alex West

Patient experience of community-based asthma & COPD management in an integrated care hub.
Feargal Helly (Dublin, Ireland), Jehangir Kahn, Joseph Kerins, Patricia Davis, Rachel Anglin, Joyce O'Hara, Alessandro Franciosi

Evaluation of the nationwide implementation of „Living well with COPD” self-management program in Switzerland
Anja Frei (Zürich, Switzerland), Julia Kopp, Claudia Steurer-Stey, Kaba Dalla Lana, Thomas Graf, Isabelle Peytreman-Bridevaux, Milo Alan Puhan

Predictors of caregiver burden due to chronic breathlessness: an exploratory study
Slavica Kochovska (Wollongong, Australia), Diana Ferreira, Sungwon Chang, Tim Luckett, Jessica Roydhouse, Magnus Ekstrom, David Currow

Coping better, breathing better: exploring the impact of a multidisciplinary, home-based program targeting chronic breathlessness in patients with COPD
Belinda Cochrane (Sydney (NSW), Australia), Mohmedsaqib Akhunji, Kaba Dalla Lana, Thomas Graf, Isabelle Peytreman-Bridevaux, Milo Alan Puhan

COPD palliative and supportive care: an evaluation of a multidisciplinary blended learning training program
Els Verschuur (Amersfoort, Netherlands)

Patients' expectations regarding end-of-life care in advanced respiratory diseases
Abdelkrim Khannous (Agadir, Morocco), Fatiha Bounoua, Selma Abdala, Hind Serhane

Satoshi Hamada (Kyoto, Japan), Jun Ueki, Emika Sano, Hiroo Wada, Keiko Hino, Susumu Sato, Tomomasu Tsuboi, Toyohiro Hirai

Japanese White Paper on Home Care for Patients with Respiratory Failure 2024: Insights from Surveys on patients and caregivers
Megumi Ikeda (Chiba, Japan), Jun Ueki, Satoshi Hamada, Emika Sano, Hiroo Wada, Keiko Hino, Susumu Sato, Tomomasu Tsuboi, Toru Oga, Hajime Kurosawa, Kazuyo Toyama, Toyohiro Hirai

Challenges in Invasive Home Mechanical Ventilation for ALS Patients
Carla Margarida Carvalho (Guimarães, Portugal), Ana Rita Pedroso, Sara Campos Silva, Ana Luisa Vieira

Smartphone and wearable monitor use and preferences among older adults
Patricia Koff (Palm City, United States), Fernando Diaz Del Valle, Sung-Joon Min, R.William Vandivier

Adherence enhancing interventions for pharmacological and oxygen therapy in patients with COPD: a systematic review and component network meta-analyses
Maximilian Zimmermann (Köln, Germany), Omar Ammous, Stefan Andreas, Tim Friede, Regina Kampo, Doreen Kroppen, Sarah Bettina Stanzel, Maximilian Wollsching-Strobel, Susanna Salem, Wolfram Windsch, Tim Mathes

Cumulative dispensing of oral corticosteroids over 12 months in COPD
Angela Burge (Prahran, Australia), Narelle Cox, Simone Dal Corso, Arwel Jones, Fahrayhansyah Faqih, Anne Holland

Disparity between spacer prescribing in secondary and primary care: An Audit
Holly Hathaway (Brighton, United Kingdom), Aazaz Rehman, Ketan Patel, Neel Sharma

APPRENTICESHIP OF INHALER TECHNIQUE BY VIDEO FEEDBACK
Frédéric Hérent (Dieulefit, France), Marylise Ginoux, Nathalie Porcel, Daniel Veale

Predictors of an acute COPD exacerbation (the PACE-trial) – preliminary results from the EXACT diary
Daniela Lettl (Schoenau a. Koenigsee, Germany), Rainer Gloeckl, Tessa Schneeberger, Inga Jarosch, Wolfgang Hitzl, Carmen Schade-Brittinger, Claus F. Vogelmeier, Klaus Kenn, Andreas R. Koczulla

RE-SAMPLE Platform for training and use of COPD exacerbation risk prediction models
Gesa Winberg (Kaiserslautern, Germany), Albert Abebes, Serge Autexier, Marjolein Bruse-Keizer, Agni Delvinioti, Thrasyvoulos Giannakopoulos, Christiane Grünloh, Florian Hahn, Rain Jögi, Christos Kalloniatis, Konstantina Kostopoulou, Sofoklis Kyriazakos, Costas Lamprinoudakis, Jakob Lehmann, Danae Lekka, Anke Lenferink, Federico Mazzone, Giulio Pagliari, Stefano Patarnello, Aristodemos Pneumatikakis, Jarno Raid, Monique Tabak, Job Van Der Palen
### PA2320
**Standardized care plan for patients with COPD in Long-term non-invasive ventilation in a home setting**
Line Storgaard (Aabybro, Denmark), Anne-Mette Meldgaard, Ulla Møller Weinreich

### PA2321
**New Respiratory Rapid Access Service reduces ED presentations and hospital admissions.**
Emily Lawton (Adelaide, Australia), Phan Nguyen, Mary Young, Nicole Jones, Paul Reynolds

### PS-20
**Session 233**
08:00 - 09:30

**Poster session: Pulmonary function tests: advanced technology and improved quality control for better patient care**

### Disease(s) :
- Airway diseases
- Interstitial lung diseases
- Pulmonary vascular diseases
- Thoracic oncology
- Sleep and breathing disorders

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

### Chairs :
Matthew Rutter (Cambridge (Cambridgeshire), United Kingdom), Justine Van den Hengel (Leusden, Netherlands)

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<td>Is the Forced Oscillation Technique a suitable surrogate for more volitional lung function testing in COPD?</td>
<td>Ella O’Neill (Cambridge, United Kingdom), Ben Knox-Brown, Jonathan Fuld, Karl P Sylvester</td>
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<td>The DLNO/DLCO ratio: Can it be clinically used?</td>
<td>Gerald Zavorsky (Davis, United States)</td>
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<td>PA2324</td>
<td>Unlocking the promise of digital inhalers: Insights from an in-vitro study</td>
<td>Yannick Basching (kaiseraugast, Switzerland), David Ney Gonzalez, Martijn Grinovero, Luca Ponti, Cristina Cova, Valeria Sesana, Marco Franz, Mauro Citterio</td>
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<td>PA2325</td>
<td>Comparison of different agents for bronchial challenge tests</td>
<td>Miranda Sam - Spitteler (Dronten, Netherlands), Irene Steenbruggen, H P Grotjohan</td>
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<td>Single-breath CO diffusion (DLCO-sb) altitude correction verification by pressure room measurements shows correct implementation.</td>
<td>Herman Groepenhoff (Lijnden, Netherlands), Thomas Markert, Margriet Kaldenbach</td>
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<td>PA2327</td>
<td>Less is more… comparison of two repeatability protocols for diffusing capacity (DLCO).</td>
<td>M. Huynh (Rotterdam, Netherlands), Monique Wapenaar, Ton Provily, Maartje Horstman, Leonard Seghers</td>
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<td>Comparing Fowler and Cotes dead space methods during single breath gas transfer.</td>
<td>Lucy Robertson (Cambridge (Cambridgeshire), United Kingdom), Karl Sylvester</td>
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<td>PA2329</td>
<td>Evaluation of loaded ramp testing times during cardiopulmonary exercise testing (CPET).</td>
<td>Sara McArthur (Edinburgh (Edinburgh), United Kingdom), Shaun Baxter, Jill Macleod, Kristofer Cuthbert</td>
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<td>PA2330</td>
<td>A comparison of spirometry performed with two different methods</td>
<td>Liv Karin Vesteng (Jessheim, Norway), Anita Gronstdag, Christine Gudim Karlsen</td>
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<td>Performing body plethysmography with low breathing frequency (&lt; 0.5 Hz) vs. breathing frequency 0.5-1.0 Hz.</td>
<td>Jan Bouwman (Haren GN, Netherlands), Sonja Augustijn, Marlies Van Dijk</td>
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<td>Quality Assurance in a Respiratory Laboratory: How compliant are you?</td>
<td>Calvin Apen (Doncaster (South Yorkshire), United Kingdom), Muhammad Khan</td>
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<td>Six-year review of a spirometry quality control program utilized across British Columbia, Canada</td>
<td>Carl Mottram (Hayfield, United States), Teresa Mccaskell, Navdeep Rakhra, Susan Blonsine</td>
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<td>PA2334</td>
<td>A Quality Assurance Review Model for Pulmonary Function – The Royal Papworth Method</td>
<td>Holly Le Winton (Cambridge, United Kingdom), Lucy Robertson, Joshua Barnes, Karl Sylvester</td>
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<td>PA2335</td>
<td>Detection of a common method for undermining the evaluation of full inflation in a clinical trial for asthma</td>
<td>Kevin McCarthy (Matthews, United States), Phil Lake</td>
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<td>PA2336</td>
<td>Is a close follow-up program crucial for treatment adherence in patients with obstructive sleep apnea syndrome (OSAS)?</td>
<td>Linn-Betina Weflen Wold (Jessheim, Norway), Anita Gronstdag, Nils Henrik Holmedahl, Christine Gudim Karlsen</td>
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<td>PA2337</td>
<td>Z-score vs percentage of predicted value: how they perform in preoperative functional assessment?</td>
<td>Kristian Brat (Brno, Czech Republic), Ivan Cundrle Jr.</td>
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Body plethysmography and its relationship with maximum respiratory pressures and forced vital capacity in post-covid 19 patients Colombia
John Castillo (Palmira, Colombia), Julián Andrés Rivera Motta, Diana Carolina Zambrano Rios, Andrés Jenuer Matta Miramar, Lina Marcela Orozco Mejía

Late Breaking Abstract - Engineering an AI-base mesh nebulizer system for personalized respiratory drug delivery.
Chen-En Chiang (New Taipei city, Taiwan), Jun-Chen Wu, Hui-Ling Lin, Li-Chung Chiu, Chih-Tung Liu, Ya-Fang Liu, Megha Jhunjhunwala, Chi-Shuo Chen

Poster session: Navigating the journey of adult cystic fibrosis: past and future perspectives

Disease(s): General respiratory patient care, Cell and molecular biology, Pulmonary function testing, Pulmonary rehabilitation
Method(s): General respiratory patient care, Cell and molecular biology, Pulmonary function testing, Pulmonary rehabilitation
Chairs: Chiara Premuda (Milano, Italy), Pilar Azevedo Cardim (Lisboa, Portugal)

Phage and antibiotic combination therapy reduces bacterial growth of multidrug resistant CF derived P. aeruginosa
Renee Ng (Perth, Australia), Barbara Chang, Stephen Stick, Anthony Kicic

Novel nebulized phage cocktail in CF patients with chronic P. aeruginosa pulmonary infection: a Ph1b/2a randomized, double-blind, placebo-controlled trial

Longitudinal follow up of people with cystic fibrosis who discontinued mucoactive therapy during CFTR modulator treatment
Saeeda Lone - Latif (Amsterdam, Netherlands), Paulien Linders, Els Weersink, Josie Altenburg

ETD001: a well-tolerated inhaled ENaC blocker with extended lung retention in humans
Paul Russell (Chalfont St Peter, United Kingdom), Katherine Woodward, Joanne Charlwood, Rachael White, Denis Wilkes, Henry Dunahay, David Morris

Non-invasive pathogen detection in the airways of patients with Cystic Fibrosis
Emma Nessen (Amsterdam, Netherlands), Belle Toussaint, Joël Israëls, Eric Haarman, Jane Davies, Josie Altenburg, Els Weersink, Paul Brinkman, Anke-Hilse Maitland-Van Der Zee

White blood cell count, neutrophil-to-lymphocyte and platelet-to-lymphocyte ratios predict pulmonary exacerbations in cystic fibrosis
Zsuzsanna Miklós (Budapest, Hungary), Zoltán Örlős, Márton Falus, Adrien Halász, Ildikó Horváth

Is the glittre-ADL test more effective than the 6-minute walk test for evaluating adults with cystic fibrosis?
Isabella Aziz (Niteroi, Brazil), Claudia Da Costa, Isabela Serpa, Vera Abelenda, Monica Firmida, Raphael Jaber, Agnaldo Lopes

Clinical Features and Outcomes of Cystic Fibrosis related Liver Transplantation in a National Transplant Centre
Jack McCarthy (Dublin, Ireland), Edward Mckone, Audrey Dillon, Mary Mcnamee

Lung Clearance Index in adult patients with atypical Cystic Fibrosis and normal FEV1
Almudena Felipe Montiel (Barcelona, Spain), Antonio Álvarez Fernández, Laia Verdejo Salvador, Letizia Traversi, Clara Pons Boyero, Karina Loor Reyes, David Clofent Alarcón, Mario Culebras Amigo, Eva Polverino

Islet cell transplantation in adult patients with CF: long-term results
Thomas Forshall (London, United Kingdom), Lucy Carson, Samantha Henman, Uta Hill

Impact of CFTR modulator therapy in the Cystic Fibrosis microbiome - a retrospective study
Letícia Pavão Balanco (Ribeira Grande, Portugal), Chantal Cortesão, Jessica Cemlyn-Jones, Fernanda Gamboa
**PA2353**
Lung health and pregnancy in the cystic fibrosis (CF) modulator era
Aleksandra Duffy (Newcastle upon Tyne, United Kingdom), Stephen J. Bourke, Simon Williams, Tiffanee Shears, Susan Parker, Simon Doe, Carlos Echevarria

**PA2354**
Pregnancy outcomes in CF before and after introduction of CFTR gene modulator therapy
Ruth Cade (Manchester (Greater Manchester), United Kingdom), Rebecca Watson, Mahin Ahmed, Dilip Nazareth, David Cox, Dyan Dickins, Fiona Howie

**PA2355**
Evaluation of treatment satisfaction and related factors in adult cystic fibrosis patients
Esen Deniz Akman Ar (Ankara, Turkey), Nadir Yalcin, Duygu Aydgnu, Ebru Damadoglu, Ali Fuat Kalyoncu, Kutay Demirkan

**PA2356**
Preliminary results of 24-36 weeks of bedaquiline, delamanid, clofazimine and pyrazinamide for the treatment of MDR/RR-TB.
liu yidian (shanghai, China), Sha Wei, Wang Hua, Gong Weiliang, Zeng Zhong

**PA2357**
Effect of Upfront use of combined bedaquiline and delamanid based regimen in Pre -XDR Pulmonary Tuberculosis
Jyoti Bajpai (Lucknow (Uttar Pradesh), India), Shushma Yadav, Surya Kant, Ajay Verma, Darshan Bajaj

**PA2358**
Post-Bedaquiline era in Brazil: impact on adverse events and treatment outcomes.
Ana Paula Santos (Rio De Janeiro (RJ), Brazil), Cristovao Jorge Benace Junior, Janaina Aparecida De Medeiros Leung, Fernanda Carvalho De Queiroz Mello

**PA2359**
Effectiveness of a comprehensive package based on electronic medication monitors at improving treatment outcomes among tuberculosis patients in Tibet: a multi-centre randomised controlled trial
Xiaolin Wei (Toronto, Canada), Joseph Paul Hicks, Zhitong Zhang, Victoria Haldane, Pande Pasang, Linhua Li, Tingting Yin, Bei Zhang, Yinlong Li, Qiuyu Pan, Xiaqi Liu, John Walley, Jun Hu

**PA2360**
Hyponatremia and treatment outcomes in patients with tuberculosis
Hong-Joon Shin (Gwangju, Republic of Korea), Chan-Woo Park, Yong-Soo Kwon

**PA2361**
Assessment of the effect of vitamin D levels in patients with pulmonary tuberculosis on the clinical course of the disease
Inga Yeremenchuk (Chernivtsi, Ukraine), Liliia Todoriko, Yana Toderika

**PA2362**
Multidrug resistant tuberculosis (MDR-TB) incidence in close contacts of pulmonary MDR-TB index cases in East London - a retrospective study
Ricardo de Luca e Tuma (London, United Kingdom), Amina Jama, Susan Dart, Veronica White, Christabelle Chen, Heinke Kunst

**PA2363**
Clinical features and prognosis of 206 children with pulmonary tuberculosis
Huimin Li (Beijing, China)

**PA2364**
Impact of COVID-19 pandemic on clinical aspects of tuberculosis inpatients
Rita Vasconcelos Rodrigues Pereira (Cinfães, Portugal), Tiago Ramalho, Maria João Moura, Joana Lourenço, Marcia Araujo, Sara Dias, Ana Luisa Fernandes, Valquiria Alves, Barbara Seabra

**PA2365**
The Prevalence of Polyneuropathy Among Patients with Drug-Resistant Tuberculosis and Concomitant Diabetes Mellitus. The Modifying Effect of Comorbidity on Tuberculosis Treatment Quality
Iryna Makoida (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Iryna Kostitska, Olga Molodovets, Olga Melnyk-Sheremen, Oleksandr Varunkiv, Alla Zuban, Nadiia Korzh, Uliana Shevchuk-Budz

**PA2366**
Features of the BPaL triage routine practice algorithm in Bit-TB regions of Ukraine
Natalia Lytvynenko (Kyiv, Ukraine), Maryna Pogrebna, Kyryl Shpak, Viktoriya Yatsenko, Natalia Voronina, Svitlana Tiahlo, Ruslana Tupyca, Oleksandr Zubal, Liana Kvitunovych, Sergii Samchenko, Yurii Gamazin

**PA2367**
TB severity during COVID-19 pandemic in patients admitted in a tertiary clinic for lung diseases in Romania
Traian Constantin Panciu (Constanta (Constanta), Romania), Dragos Baiceanu, Diana-Sabina Tiba, Simona-Maria Rosu, Ioana Dedyszyn, Silviu Mihail Dumitru, Elmirna Ibraim, Dragos Cosmin Zaharia, Irina Strambo, Beatrice Mahler
**PA2368**

Rifampicin-resistant tuberculosis in Spain. Description of a patients cohort.

Jose María García García (Candas (Asturias), Spain), María Teresa Rodrigo Sanz, José Antonio Gullón Blanco, Xavier Casas García, Joan Pau Millet Vilanova, Saraí Quirós Fernández, Elena Martínez Robles, Alberto Mangas Moro, Miguel José Martínez Lirola, Ángel Domínguez Castellano, Enrique Navas Elorza, Magnolia Nieto Marcos, Francisco Sanz Herrero, Francesc Arasa Pansisello, Isabel Suárez Toste, José Joaquín Cebrián Gallardo, Manuel García Cabrera, Pilar Bermúdez Ruiz, Luis Adolfo Urrelo Cerrón, Sofia Samper Blasco, José Antonio Caminero Luna, Tuberculosis Members Of Separ Tuberculosis Research Programme

**PA2369**

Multidrug-resistant tuberculosis and treatment outcomes in Kazakhstan, Moldova, Ukraine, Georgia, and Kyrgyzstan

Dmytro Butov (Kharkiv, Ukraine), Tetiana Butova, Alex Rosenthal, Andrei Gabrielian, Ole Skouvig Pedersen, Victor Naeshtohl Dahl, Mykhailo Kuzhko, Natalia Shubladze, Bekzat Toxanbayeva, Lyailya Chingissova, Valeriu Crudu, Nelly Ciobanu, Gulmira Kalmambetova, Gulbarchyn Saparova, Alina Grinev, Michael Hoppes, Julia Kilmnick, Nadiya Sapelnik

**PA2370**

6- and 12-month follow-up results after successful BPaL treatment for DR-TB patients in Ukraine

Natalia Lytvynenko (Kyiv, Ukraine), Yuriy Feshchenko, Maryna Pohrebna, Yuliya Senko, Anastasija Lafeta, Rostyslav Liubevych, Mariia Diachenko, Veriko Mirtshkulava, Salah Foraida, Gunta Dravniece, Olena Paivlenko, Oleksii Kosyvchenko, Yana Terleieva, Yuriii Gamaizin

**PA2371**

Multidrug-resistant tuberculosis and diabetes mellitus

Lilia Todoriko (Chernivtsi, Ukraine), Ihor Semianiv, Inga Yeremenchuk, Olena Pidverbetska

**PA2372**

Therapeutic outcomes of Bedaquiline containing oral regimen for Drug resistant tuberculosis

VIJAY KUMAR (Varanasi, India), Upinder Kaur, Mohit Bhatia, Jai Krishn Mishra

**PA2373**

The effectiveness of pulmonary tuberculosis treatment during the COVID-19 pandemic

Ruzilya Usmanova (Tashkent, Uzbekistan), Nargiza Parpieva, Irina Liverko, Ilhomjon Butabekov, Revaz Kokhodze, Yuliya Dolgusheva, Mahliyo Muhamedova, Sharaf Yuldashev, Khasan Saafay

**PS-23**

Session 236 08:00 - 09:30

**Poster session: State of the art in bronchiectasis**

**Disease(s):** Airway diseases

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

**Chairs:** Victoria Alcaraz-Serrano (vilafranca del penedes, Spain), Antoni Torres Marti (Barcelona, Spain)

**Use of bronchodilators in bronchiectasis: data from EMBARC**

Mattia Nigro (Milan, Italy), Eva Polverino, Megan Crichton, Felix Ringshausen, Anthony De Soyzia, Montserrat Vendrell, Pierre Régis Burgel, Charles Haworth, Michael Loebinger, Katerina Dimakou, Marlene Murriss, Robert Wilson, Adam Hill, Rosario Menendez, Antoni Torres, Tobias Welte, Francesco Blasi, Josje Altenburg, Michal Shteinberg, Wim Boersma, J. Stuart Elborn, Pieter Goeminne, James Chalmers, Stefano Aliberti

**Highly symptomatic patients have an increased risk of exacerbations and benefit from long-term macrolide treatment in Bronchiectasis**


**Macrolides versus inhaled antibiotics to prevent exacerbations in adults with bronchiectasis: results from a network meta-analysis.**

Mattia Nigro (Milan, Italy), Megan L. Crichton, Thomas Vandendriessche, James D. Chalmers, Stefano Aliberti

**Pediatric-onset bronchiectasis exhibits greater severity than adult-onset bronchiectasis.**

Luai Khalaili (Haifa, Israel), Nili Stein, Raya Cohen, Yochai Adir, Michal Shteinberg

**Microbiology of Bronchiectasis in stable state and exacerbation: data from the EMBARC bronchiectasis registry.**

Fiona Mosgrove (Banchory, United Kingdom), Eva Polverino, Megan L Crichton, Felix C Ringshausen, Anthony Desoysa, Montserrat Vendrell, Pierre-Régis Burgel, Charles S Hayworth, Michael R Loebinger, Katerina Dimakou, Marlene Murriss, Robert Wilson, Adam T Hill, Rosario Menendez, Antoni Torres, Tobias Welte, Francesco Blasi, Josje Altenburg, Michal Shteinberg, Wim Boersma, Stuart J Elborn, Pieter C Goeminne, Stefano Aliberti, James D Chalmers

**Paediatric-onset bronchiectasis and diabetes mellitus: data from EMBARC.**

Lilia Todoriko (Chernivtsi, Ukraine), Ihor Semianiv, Inga Yeremenchuk, Olena Pidverbetska
Characterising patients with bronchiectasis and persistently negative sputum cultures: data from the European Bronchiectasis Registry EMBARC.

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

Steady state signs and symptoms of bronchiectasis in an Italian multicentre cohort: the 4S study

Mattia Nigro (Milan, Italy), Edoardo Simonetta, Alessandro De Angelis, Veronica Polleli, Salvatore Battaglia, Francesco Blasi, Marta Monfizzi, Raffaele Campisi, Marianna Cicchetti, Vittoria Cornellini, Valentina Conio, Claudia Crimi, Claudia Durante, Andrea Gramigna, Donato Lacedonia, Martina Lo Casto, Martina Marchello, Lucrezia Pisanu, Michela Salvemini, Mariarosaria Vulpì, Stefano Aliberti

The impact of bronchiectasis and its severity on long-term renal outcomes

Wang Chun Kwok (Hong Kong, Hong Kong), Terence Chi Chun Tam, James Chung Man Ho, David Chi Leung Lam, Mary Sau Man Ip, Desmond Yat Hin Yap

Pulmonary exacerbations in patients with primary ciliary dyskinesia – A prospective multicenter study


Are we speaking the same language? Nomenclature differences between patients and healthcare providers describing aspects of bronchiectasis: a latent content analysis


Bronchiectasis and Airway Microbiota: a monocentric descriptive study

Anna Lou Christe (Losone, Switzerland), Georgia Mitropoulou, Yangji Choi, Onya Opota, Christophe Von Garnier, Claire Bertelli, Jessica Mazza-Stalder

The profile of blood methylation is associated with disease severity in bronchiectasis

Lídia Perea (Barcelona, Spain), Julieta Viglino, Belén Solarat, Núria Mendoza, Sandra Casas-Recasens, Pilar Martinez-Olondris, Pau Marrades, Rosanel Amaro, Alvar Agustí, Amelia Shoemark, James D Chalmers, Oriol Sibila, Rosa Faner

Sputum metagenomics of people with bronchiectasis

Ilona Rosenboom (Hannover, Germany), Ajith Thavarasa, Hollian Richardson, Merete B. Long, Lutz Wiehlmann, Colin F. Davenport, Amelia Shoemark, James D. Chalmers, Burkhard Tüümmler

Exploring the association between helicobacter pylori infection and bronchiectasis: A meta-analysis

Rukesh Yadav (Kathmandu, Nepal)

Clinical features of bronchiectasis according to age in the US Bronchiectasis Research Registry

Pamela J. McShane (Tyler, United States), Nicholas Locantore, Radmila Choate, Doreen Adrizzo-Harris, Kunal Jakharia, Marcos Restrepo, Amanda Brunton, Mark Metersky, Tim Aksamit

Pseudomonas aeruginosa virulence factors and immune response during exacerbations and stable phase in bronchiectasis.

Federica Viola Piedepalumbo (Milano, Italy), Roberto Cabrera, Leticia Bueno-Freire, Nil Vázquez, Nona Rovira-Ribalta, Alba Soler-Comas, Patricia Oscanoa, Marco Mantero, Francesco Blasi, Antoni Torres, Laia Fernández-Barat

Post TB Bronchiectasis: a distinct phenotype

Raja Dhar (Kolkata(West Bengal), India), Eva Polverino, Sheetu Singh, Megan Crichton, Deepak Talwar, Felix Ringshausen, Murali Mohan, Anthony De Soyza, Suryakant Tripathi, Montserrat Vendrell, Rajesh Swarnakar, James D Chalmers

Aetiologies and outcomes of pediatric-onset bronchiectasis in adults: data from the EMBARC registry

Michal Shteinberg (Haifa, Israel), Stuart Elborn, Stefano Aliberti, Pieter Goeminne, Eva Polverino, Megan Crichton, Felix Ringshausen, Anthony De Soyza, Montserrat Vendrell, Charles Haworth, Michael Loebinger, Katerina Dimakou, Marlene Murris, Adam Hill, Rosario Menendez, Antonio Torres, Josje Altenburg, Wim Borsma, Pierre-Regis Burgel, Francesco Blasi, James Chalmers

Functional antibody response to pneumococcal (PNE) and Haemophilus influenzae type B (HiB) vaccination in bronchiectasis (BE): data from the EMBARC registry.

Letizia Traversi (Cittiglio, Italy), Eva Polverino, Michal Shteinberg, Montserrat Vendrell, Katerina Dimakou, Felix Ringshausen, Pierre-Regis-Burgel, Charles Haworth, Michael Loebinger, Anthony De Soyza, Rosario Menendez, Antoni Torres, Tobias Welte, Francesco Blasi, Josje Altenburg, Pieter Goeminne, Stefano Aliberti, James Chalmers
Poster session: Mechanistic studies in respiratory infection

**Disease(s):** Airway diseases, Respiratory critical care

**Method(s):** Cell and molecular biology, Epidemiology, Imaging, Public health, General respiratory patient care, Pulmonary rehabilitation, Respiratory intensive care

**Tag(s):** Translational

**Chairs:** Amelia Shoemark (Dundee (Angus), United Kingdom), Chair to be confirmed

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**PA2393**

Acetate inhibits Pseudomonas aeruginosa growth and reduces inflammatory responses to infection in primary human lung tissue ex vivo

Valerie Beneke (Hanover, Germany), Sven Clees, Hannah Kiefer, Andrew Tony-Odigie, Christopher Werlein, Lavinia Neubert, Patrick Zardo, Danny Jonigk, Hans-Gerd Fieguth, Armin Braun, Alexander Dalpke, Katherina Sewald

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**PA2394**

Interactions of Staphylococcus aureus and polystyrene on 2D minilung infection model

Iris Romero (Barcelona, Spain), Irene Chamorro, Alberto Zambrano, Alba Hernández, Jose Domínguez, Alicia Lacoma

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**PA2395**

Unraveling the role of α-(1,2)-fucosylation in bacterial pneumonia

Cengiz Goekeri (Berlin, Germany), Sebastian Schickinger, Alina Nettesheim, Kerstin Linke, Leila Bechtega, Gaël Vos, Elena Lopez-Rodriguez, Vladimir Gluhovic, Anne Volf, Sandra Kander, Jade Bath, Katharina Ribbeck, Kevin Pagel, Achim Gruber, Matthias Ochs, Peter Seeberger, Martin Witzenrath, Geraldine Nouailles

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**PA2396**

The impact of differential nutrient availability during acute lung injury on Pseudomonas aeruginosa growth

Jennifer Baker (Ypsilanti, United States), Thomas Flott, Laura Melellan, Nicole Falkowski, Gary Huffnagle, Kathleen Stringer, Robert Dickson

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**PA2397**

Unveiling the Mechanisms of Chlamydia-Induced Neutrophilic Airway Inflammation

Dóra Paróczai (Dezsó, Hungary), Dezső Virok, Valéria Endrész, Zoltán Szabó, Tamás Janáky, Katalin Burián

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**PA2398**

Late Breaking Abstract - IL-33 signalling pathway biomarkers in severe viral lower respiratory tract disease: interim results from the prospective, observational UNIVERSAL study

Kristoffer Ostridge (Vallad, Sweden), Giovanna De Palo, Tommaso Morelli, Ian Scott, Adnan Azim, Zach Brohawn, Aoife Kelly, Paul Lee, Giuseppe Palladino, Adam Platt, Martha Purcell, Kerena Thorne, Tom Wilkinson

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**PA2399**

Effect of hyperglycemia and angioptietin-like-4 on pneumolysin-induced pulmonary barrier dysfunction

Birgit Gutbier (Berlin, Germany), Yadong Wang, Laura Kneller, Timothy J Mitchell, Martin Witzenrath

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**PA2400**

HMGB1 and Metabolic Pathways in Acinetobacter baumannii Severe Pneumonia: An Associative Study

Qianyue Yang (Guangzhou, China), Mingshan Xue, Zhiwei Lin, Baoqing Sun

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**PA2401**

Impact of TMPRSS2 polymorphism on severity of COVID-19

Ashok Kumar (karachi, Pakistan), Santosh Kumar

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**PA2402**

Evaluation of immunosuppression in a murine model of respiratory syncytial virus infection

Louise Haste (Bedford (Bedfordshire), United Kingdom), Natasha Scott, Alistair Ballantine, Stephen Jordan

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**PA2403**

Interventions for breathlessness post Covid-19: a systematic review and meta-analysis

Saja Almulhim (Leicester, United Kingdom), Thomas Ward, Rachel Lardner, Anton Pick, Gillian Doe, James Manifield, Pip Divall, Enya Daynes, Sally J Singh, Rachael A Evans

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**PA2404**

Determination of both the expression and serum levels of EGF and TGFβ1 genes in SARS-CoV-2

Pınar Yıldız Gülhan (Kırıkkale, Turkey), Recep Eröz, Çihadiye Elif Öztürk, Dilek Yekenkurul, Hasan Baki Altunsoy, Ege Gülüş Balbay, Merve Erçelik, Fatih Davran, Şeyma Yıldız

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**PA2405**

The Role of Human F3/TF (TISSUE FACTOR) In The Thrombotic Complications In Pneumonia

Kseniai Bielosludtseva, Tetyana Pertseva
PA2409 Aetiology of community-acquired pneumonia and the role of genetic host factors in hospitalized patients
Ilias Porfyridis (Nicosia, Cyprus), Petros Ladas, Anna Ioannou, Christina Tryfonos, Tonia Adamide, Christina Christodoulou, Jan Richter

PA2410 Plasminogen Activator Inhibitor-1 (PAI-1) and Human F3/TF (Tissue Factor) Link as a Cornerstone of Thrombogenesis in COVID-19-associated pneumonia
Kseniia Bielosludtseva, Tetyana Pertseva

PA2411 Peripheral immune cells are associated with disease severity and chronic P. aeruginosa infection in Bronchiectasis
Nuria Mendoza Barco (Premià de Dalt (CT), Spain), Belén Solarat, Lidia Perea, Lucas Robres, Sandra Casas, Pau Marrades, Rosanel Amaro, Néstor Soler, Pilar Martínez-Olondriz, Miriam Villanueva, Francesc Marco, Guillermo Suarez-Cuartin, Alvar Agustí, Amelia Shoemark, James D Chalmers, Rosa Faner, Oriol Sibila

PA2412 Association of local lgs with disease severity in patients with NCFB: data from the EMBARC-BRIDGE study
Nathalia Gonzalez Jaramillo (Bern, Switzerland), Moritz Saxenhofer, Anna Schnell, Stefanie Graeter, Karol Nass, Ilka Schulze, Michael Loebinger, Oriol Sibila, Stefano Aliberti, Zsofia Eke, James Chalmers, Alexander Schaub

PS-25 Session 238 08:00 – 09:30
Poster session: Predictive and prognostic factors in lung cancer

Disease(s): Thoracic oncology, Airway diseases, Sleep and breathing disorders
Method(s): Cell and molecular biology, General respiratory patient care, Imaging, Epidemiology, Palliative care, Pulmonary function testing, Public health, Surgery, Endoscopy and interventional pulmonology
Tag(s): Translational

Chairs: Fernando Gamarra (Straubing, Germany), Marco Nardini (Leeds, United Kingdom)

PA2413 Potential predictors of immunotherapy-induced pneumonitis in non-small cell lung cancer (NSCLC)
Francesca Maria Pontoriero (Padova, Italy), Daniele Pascale, Francesca Scalvenzi, Loc Carlo Bao, Laura Bonanno, Mariaenrica Tinè

PA2414 Exposure to wood smoke: a risk factor for bronchogenic carcinoma in women living in rural areas
Zineb Benmerzouq (Casablanca, Morocco), Nahid Zaghba, Hanane Benjelloun, Khadia Chaanoun, Hanaa Harraz, Najiba Yassine

PA2415 Prognostic factors for advanced invasive mucinous adenocarcinoma of the lung with emphasis on the treatment modalities
Soo Han Kim (Seoul, Republic of Korea), Jung Seop Eom, Min Ki Lee, Mi-Hyun Kim

PA2416 The impact of visceral pleural invasion on survival in non-small cell lung cancer
Ezgi Gürel Akan (Ankara, Turkey), Pınar Akın Kabalak, Suna Kavurgaci, Tuba İnal Cengiz, Funda Demirağ, Hakan Nomenoğlu, Hasan İbiş, Ülki Yılmaz

PA2417 The dynamics of natural killer cell activity as a prognostic factor in patients receiving curative surgery for non-small cell lung cancer
Sara Witting Christensen Wen (Vejle, Denmark), Line Nederby, Torben Frostrup Hansen, Signe Timm, Morten Borg, Ole Hilberg

PA2418 Clinicopathological features and prognostic factors in patients with pulmonary pleomorphic carcinoma
Baris Demirkol (Istanbul, Turkey), Celal Satici, Sule Gul, Ramazan Eren, Kursad Nuri Baydili, Mustafa Cortuk, Halide Nur Urer, Erdogan Çetinkaya

PA2419 Assessing the Prognostic Significance of Baseline Liver Metastasis in ALK Fusion-Positive Metastatic Lung Cancer: A retrospective study
Su Yu Hua (Taichung, Taiwan), Cheng Wen-Chien, Tu Chih-Yen

PA2420 Evaluation of CCL18 and S100A4 as biomarkers in small cell lung cancer (SCLC) progression and response to therapy
Xuan Phuoc Nguyen (Freiburg, Germany), Lilian Rettegi, Daiana Stolz, Cornelius Waller, Gernot Zissel

PA2421 Endocrine toxicity as an independent predictor of response to immune checkpoint inhibitors in lung cancer patients
Andriani Charpidou (Athens, Greece), Emmanouil Panagiotou, Sofia Ntouriaki, Ioannis A. Vathiots, Maria Effrosyni Livaniou, Athanasios Trinis, Konstantinos Syrigos, Melpomeni Peppa

PA2422 Effects of the anesthesia on the overall survival and recurrence of lung cancer: meta-analysis
Omar Alomari (Istanbul, Turkey), Muhammed Edib Mokresh, Ali Emir Hamitoglu, Erdoğan Çetinkaya

PA2423 The impact of clinical features on prognosis in advanced-stage lung adenocarcinoma
Ahmet Melih Sahin (Ankara, Turkey), Elif Şen
Combined surveillance of body compositions with prognostic nutritional index improved mortality prediction in advanced NSCLC: a retrospective longitudinal cohort study
Xiaoxuan Yao, Jingyun Ren, Zhidan Tan, Su Zhu, Xinglin Gao

Association of sleep-related hypoxia with survival in patients with non-small cell lung cancer – the NEOSAS-GFPC study group
Grégoire Justeau (Angers, France), Laurent Greillier, Florent Vinas, Lionel Falchero, Olivier Bylicki, Marie Bernardi, Francis Martin, Didier Debieuvre, Chrystèle Locher, Acya Bizieux, Virginie Levrat, Anne Mallart, Camille Guguen, Frédéric Goutorbe, Philippe Masson, Christos Chouad, Patrick Saulnier, Frédéric Gagnadoux

Dipeptidyl peptidase 4 inhibitors as novel agents in improving survival in diabetic patients with early stage non small cell lung cancer
Min-Chun Chuang (Puzi City, Taiwan), Ming-Szu Hung

Identification of specific miRNA signatures in EBC for non-invasive lung cancer diagnosis and prognosis: A proof-of-concept study
Divyanjali Rai (delhi, India), Bijay Pattnaik, Naveen Bhatraju, Rohit Vadala, Jaya Tak, Seetu Kashyap, Umashankar Verma, Jyoti Kumari, Saurabh Mittal, Pawan Tiwari, Vijay Hadda, Karan Madan, Geetika Yadav, Rupinder Singh Dhaliwal, Randeep Guleria, Anurag Agrawal, Anant Mohan

The mTORC1-related single nucleotide polymorphisms in the peripheral blood facilitate the prediction of brain metastasis of non-small cell lung cancer
Hongru Li (Fuzhou (Fujian), China), Jiabin Fang, Lina Chen, Qing Li, Siqiang Liu, Sufang Chen, Xiaojie Yang, Qiongyao Zhang, Yusheng Chen

Selenoproteins: early biomarkers of lung cancer
Javier Romero Lopez (Sevilla, Spain), Alberto González Hernández, Estefanía Vélez Menis, Carolina Gotera Rivera, Luis Miguel Seijo Maceiras, Beatriz Romero Romero, Gloria Toledo Muñoz-Cobo, Luis Alejandro Padrón Fraysse, Jesús Lancha Dominguez, Maria Belén Callejón Leblic, Tamara García Barrera, Antonio Pereira Vega, Grupo Autores Cohorte Chain

Predicting histopathological features of aggressiveness in lung cancer using CT radiomics: a systematic review
Daryl Cheng (London, United Kingdom), Cheun Khaw, John Mccabe, Adam Pennycuick, Arjun Nair, David Moore, Sam Janes, Joseph Jacob

MS4A15 is a novel prognostic biomarker and a potential target in lung adenocarcinoma
Lingxiao Qiu (Chongqing, China), Zhi Xu, Cailin Zhao, Qi Li, Li Bai, Liang Guo, Gang Liu, Xueping Liu, Bin Wang, Xinye Zhang, Jing Yu, Bin Qing, Jincheng Liu, Chuangye Wang

Anti-cancer immune activation post bronchoscopic thermal ablation in non-small cell lung cancer
Kanishka Rangamuwa (Melbourne (VIC), Australia), Michael Christie, Tracy Leong, Christian Aloe, Kenta Yokote, Daniel Batey, Marie-Liesse Asselin-Labat, Phillip Antippa, Thomas John, Lou Irving, Steven Bozinovsk, Daniel Steinfort

The impact of immortal time bias on the estimated mortality benefit of antifibrotic therapy in IPF
Marit Bjørnå Wilskow (Bodø, Norway), Phuong Phuong Diep, Charlotte Hyldgaard, Lisa Carlson, Dimitrios Kalafatis, Ida Pesonen, Magnus Sköld, Saher Burhan Shaker, Elisabeth Bendstrup, Nils Hoyer, Michael Thomas Durheim

Michael Baldwin (Ingelheim, Germany), Eric S. White, Luke Hubbert, Antony Wright, Sue Langham, Pilar Rivera-Ortega

Healthcare utilization in the diagnostics of interstitial lung disease
Thomas Skovhus Prior (Egå, Denmark), Claude Hostrup Vestergaard, Sissel Kronborg-White, Elisabeth Bendstrup, Anders Prior

Bronchial artery hypertrophy is common in lung fibrosis and associated with mutations of telomere-related genes
Clairelyne Dupin (Paris, France), Jérémie Hestin, Kinan El Hussein, Adèle Sandot, Caroline Kannengiesser, Diane Bouvry, Justine Frija, Hilario Nunes, Raphael Borie, Antoine Khalil, Marie-Pierre Debray, Bruno Crestani

Poster session: Pulmonary fibrosis and all of its clinical aspects
Disease(s) : Intersitial lung diseases, Thoracic oncology
Method(s) : Epidemiology, Imaging, General respiratory patient care, Pulmonary function testing, Endoscopy and interventional pulmonology
Chairs : Athina Trachalaki (London, United Kingdom), Diego Castillo Villegas (Barcelona, Spain)

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Marit Bjørnå Wilskow (Bodø, Norway), Phuong Phuong Diep, Charlotte Hyldgaard, Lisa Carlson, Dimitrios Kalafatis, Ida Pesonen, Magnus Sköld, Saher Burhan Shaker, Elisabeth Bendstrup, Nils Hoyer, Michael Thomas Durheim

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Pre-surgical clinico-radiologic-pathological risks for post-surgical acute exacerbation of interstitial pneumonia in resectable lung cancer patients

Atsushi Miyamoto (Tokyo, Japan), Shinya Izumi, Tomohisa Baba, Kensuke Tanaka, Chiyoko Kono, Susumu Sakamoto, Takeshi Jolkoh, Tae Iwasawa, Fumikazu Sakai, Akira Hebisawa, Tamiko Takemura, Yoshinori Kawabata, Yasuhiro Terasaki, Masashi Kitani, Yoshiohoto Goto, Haruyuki Ishii, Takeshi Ogura

Deleterious impact of trivial to severe pulmonary fibrosis and emphysema on mortality and acute lung injury in patients with lung cancer

Yutaka Tomishima (Tokyo, Japan), Atsushi Kitamura, Ryosuke Imai, Sachiko Ohde

Frequency of lung cancer in idiopathic pulmonary fibrosis

Zuleyha Bingol (Istanbul, Turkey), Gokhan Altan, Aylin Piltli, Esen Kiyin, Zeki Kilicaslan, Gulfer Okumus

Radiological and histopathological features of Early Idiopathic Pulmonary Fibrosis (Early IPF)

Martina Maria Marinato (Firenze, Italy), Lorenzo Tofani, Alessandra Sorano, Leonardo Gori, Elisabetta Rosi, Diletta Cozzi, Camilla Comin, Sara Tomasetti

The density histogram-derived computerized integrated index (CII) is a mortality predictor in patients with idiopathic pulmonary fibrosis

Paola Rebecca Iovine (Pimonte, Italy), Gaetano Rea, Roberta Lieto, Annalisa Mazzocca, Dario Bruzzese, Marialuisa Bocchino

Clinical manifestations and prognosis of IPF patients with simple honeycomb wall thickening: A Case Series.

Ting Yang (Chengdu (Sichuan), China)

Sex-specific aspects in an unclassified population of patients with interstitial lung disease (ILD) undergoing transbronchial cryobiopsy (TCB)

Janna Reinhard (Essen, Germany), Monika Eichinger, Katharina Buschulte, Claus-Peter Heussel, Maximilian Güttlein, Julia Michels-Zetsche, Mark Oliver Wielpütz, Kathrin Kehnert, Konstantina Kontogianni, Laura Klotz, Michael Kreuter, Ralf Eberhardt, Felix Herth, Markus Polke, Franziska Trudzinski

Diagnostic and prognostic trajectories of ILDs after the MDD

Francesco Amati (Pieve Emanuele (Milano), Italy), Dean Kellogg, Marcos Restrepo, Francesco Blasi, Stefano Aliberti, Anoop Nambiar

Cognitive Function Status and Clinical Effects in Fibrotic Interstitial Lung Diseases

Elif Yelda Ozgun Niksarlioglu (Istanbul, Turkey), Neval Alagoz, Ramazan Erén, Mehmet Atilla Uysal, Sule Gül, Şenay Aydın

Investigation of the gut microbiota profiles of patients with idiopathic pulmonary fibrosis

Baykal Tülek (Konya, Turkey), Kerim Göktürk, Salih Macin

A benefit-analysis review of patients with IPF/CPFE attending an ERN-ILD specialist centre over 10 years.

Paul Bergin (Blackrock, Ireland)

Acute exacerbations of interstitial lung diseases (AE-ILD): impact of an emergency action protocol

Juan Pablo Orozco Zapata (L’Hospitalet De Llobregat, Spain), Ignacio Español Montero, Joel Francesqui, Sandra Cuerpo, Fernanda Hernandez Gonzalez, Mariana Benegas, Marcelo Sanchez, Jacobo Sellares

Thyroid and thorax: prevalence and correlates of interstitial lung abnormalities in hypothyroidism

Akhlesh Rajpoot (Almora, India), Manju Bala, Akhlesh Rajpoot, Suyash Singh Rathore

Prevalence and clinical impacts of coronary artery disease in patients with interstitial lung disease

Hyun Seok Kwak (Seoul, Republic of Korea), Ho Cheol Kim, Tae Oh Kim, Jang Ho Lee

Poster session: Looking for biomarkers in interstitial lung disease of known origins
**Disease(s):** Interstitial lung diseases

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

**Tag(s):** Translational

**Chairs:** Jonas Schupp (Burgdorf, Germany), Chair to be confirmed

**PA2453**
Prognostic relevance of autoantibodies in patients with hypersensitivity pneumonitis (HP): a German multicentre study.
Francesco Bonella (Essen, Germany), Marcus Joest, Mathias Rolke, Joachim Sennekamp, Katharina Buschulte, Xiaohua Luo, Ulrich Costabel, Michael Kreuter, Dirk Koschel

**PA2454**
Fungal stimulation induces a specific Th1-like immune response in hypersensitivity pneumonitis patients
Helder Bastos (Portugal), Rita F. Santos, Andreia L Coelho, João C Ruffo, David Coelho, Melany Gonçalves, Samuel Gonçalves, Cristina Cunha, Agostinho Carvalho, Natália Melo, Patricia Mota, André Terras, Susana Guimarães, André Carvalho, Luís Delgado, Margarida Saraiva, António Morais

**PA2455**
The prognostic role of eosinophils in patients with hypersensitivity pneumonitis: a multicenter study

**PA2456**
Immunological profile of lung tissue of patients with hypersensitivity pneumonitis
Marc Massa Gómez (Barcelona, Spain), Silvia Sánchez Diez, David Soler Segovia, Susana Gómez Ollés, David Espejo Castellanos, Ihigo Ojanguren Arranz, Maria Florencia Pilia, Yolanda Vasiete García, Xavier Muñoz Gall, Maria Jesús Cruz Carmona

**PA2457**
A specific elastin fragment (ELP-3) as a potential serological biomarker to distinguish fibrotic from non-fibrotic hypersensitivity pneumonitis
Filipa B Simões (Herlev, Denmark), Nils Hoyer, Sandra Draeby, Annika H Hansen, Morten Karsdal, Diana J Leeming, Jannie M B Sand, Saher B Shaker

**PA2458**
Increased monocyte count as a prognostic biomarker in patients with interstitial lung disease with autoimmune features
Panagioti Tsiri (Patra, Greece), Vasilina Sotiropoulou, Matthaios Katsaras, Ourania Papaioannou, Georgios Tsirikos, Electra Kououlosousa, Eva Theochari, Ioannis Christopoulos, Dimitrios Komminos, Alexandra Pandi, Elli Malakoundiou, Vasiliki Georgiopoulou, Dionysiis Papalexatos, Dimosthenis Lykouras, Maria Tsiamita, Kyriakos Karkoulias, Fotios Sampsonas, Argyris Tzouvelekis

**PA2459**
Biomarkers of exposure and progression in patients with hypersensitivity pneumonitis and exposed workers (EXIMIOUS project)
David Soler Segovia (Barcelona, Spain), David Espejo Castellanos, Mar Sevillano, Carlos Gómez-Ollés, Mª Florencia Pilia, Ihigo Ojanguren Arranz, Ana Villar, Mª Jesús Cruz Carmona, Xavier Muñoz Gall

**PA2460**
Peripheral white cell counts and mortality across different interstitial lung diseases
Punchalee Kaenmuang (Songkhla, Thailand), Fiammetta Danzo, William G. Bray, Vasilis Kouranos, Maria Kokosi, Peter M. George, Felix Chua, Gisli Jenkins, Iain D. Stewart, Athol U. Wells, Piersante Sestini, Carmel J.W. Stock, Elisabetta A. Renzoni

**PA2461**
Value of systematic minor salivary gland biopsy in interstitial lung disease
Donia Chebbi (Ben Arous, Tunisia), Samar Derbal, Olfa Hentati, Yousra Cherif, Fatma Ben Dahmen, Meya Abdallah

**PA2462**
High peripheral blood monocytosis as a predictive factor of fibrotic ILD worsening
Houda Shene (Tunis, Tunisia), Bochra Karaborni, Amal Harzalli, Hana Blibeich, Synda Derouich, Donia Belkhir, Sameh Belhadi, Jalloul Daghfous, Nadia Mehri, Nozha Ben Salah, Bechir Louzir

**PA2463**
Remote Monitoring to Detect Progression of Interstitial Lung Disease: Prospective Cohort Study
Malik A Althobiani (London, United Kingdom), Yatharth Ranjan, Anne-Marie Russell, Joseph Jacob, Michele Orini, Richard Dobson, John Hurst, Joanna Porter, Amos Folarin

**PA2464**
Remote monitoring of oxygen-dependent patients with interstitial lung disease (ILD)
Elminy Raissa M. Reis (São Paulo, Brazil), Marieta C. A. Cunha, Guilherme P. Bridi, Bruno G. Baldi, Gabriela M. Alencar, Joao G. Silva, Luis C. P. Souza Junior, Amanda M. Schneider, Mari C. T. Fernandes, Juliana M. B. Santos, Celso R. F. Carvalho

**PA2465**
Identification of MMP-7 as a prognostic biomarker of post-COVID persistent lung abnormalities
Ivette Buendia Roldán (México D.F, Mexico), Leslie Chavez-Galan, Hiram Aguilar-Duran, Andy Ruiz, Ramces Falfan-Valencia, Gloria Perez-Rubio, Annie Pardo, Moises Selman
PA2466  Big data insights in the ILD population through AI-driven analytics
Ahmed Elmahy (Leuven, Belgium), Julie Maes, Elena Smets, Maarten De Vos, Wim Janssens, Marko Topalovic

PA2467  Anti-Ro52 positivity is associated with poorer lung function at diagnosis in CTD-ILD and IIM-ILD
Robert Harrington (Dublin, Ireland), Richard Conway, Ruairi Fahy

PA2468  Anti-Ro52 antibodies in interstitial lung disease
Donia Chebbi (Ben Arous, Tunisia), Samar Derbal, Olfa Hentati, Yousra Cherif, Imen Zamali, Hana Mrassi, Hana Blibeck, Fatma Ben Dahmen, Leila Gharbi, Bechir Louzir, Meya Abdallah

PA2469  Pulmonary function trajectories in rheumatoid arthritis-associated interstitial lung disease
Charlotte Hyldgaard (Åbyhøj, Denmark), Asger Roer Pedersen, Torkell Ellingsen, Elisabeth Bendstrup

PA2470  Increased lung monocyte infiltration in Fibrotic Interstitial Lung Diseases.
Eirini Vasarmidi (Heraklion (Crete), Greece), Eliza Tsitoura, Marilena Lourou, Ioanna Argyriou, Nikolaos Galanakis, Eleni Bibaki, Katerina M. Antoniou

PA2471  An international survey to inform the development of a disease-specific health-related quality of life tool for cardiac sarcoidosis
Juan Carlos Quijano-Campos (London, United Kingdom), Neha Sekhri, Muhunthan Thillai, Herbert Clarke, Joanna Whight, Elizabeth Blower, Lawrence Othen-Price, Elizabeth Murphy, Julie Sanders

PS-28  Session 241  08:00 - 09:30
Poster session: Sarcoidosis: immunological features and biomarkers

Disease(s) : Interstitial lung diseases
Method(s) : Public health  Cell and molecular biology  General respiratory patient care  Imaging  Pulmonary function testing  Endoscopy and interventional pulmonology  Physiology
Tag(s) : Translational
Chairs : Paolo Spagnolo (Padova (PD), Italy), Jelle Rindert Miedema (Rotterdam, Netherlands)

PA2472  Is YouTube a sufficient source of information on Sarcoidosis?
Katharina Buschulte (Heidelberg, Germany), Sarah El-Hadi, Philipp Höger, Claudia Ganter, Marlies Wijsenbeek, Nicolas Kahn, Katharina Kriegsmann, Gillian C. Goobie, Christopher J. Ryerson, Markus Polke, Franziska Trudzinski, Michael Kreuter

PA2473  CD45-expressing T-cell subsets in intrathoracic lymph nodes, alveolar compartment and bloodstream of pulmonary sarcoidosis patient
Miriana d'Alessandro (Siena, Italy), Sara Gangi, Laura Bergantini, Fabrizio Mezzasalma, Stefano Baglioni, Paolo Camelii, Elena Bargagli

PA2474  Lymphocyte profile and expression of PD-1 and Tim3 on T cells differentiate sarcoidosis from acute inflammation.
Agata Raniszewska (Warszawa, Poland), Elzbieta Rutkowska, Iwona Kwiecień, Rafał Sokolowski, Piotr Miklusz, Karina Jahnz-Rozyk, Piotr Rzepecki

PA2475  The predictive effects of adiponectin and irisin hormones on diagnosis and clinical involvement of sarcoidosis
Huseyin Kavy (Kocaeli, Turkey), Hasim Boyacı, Serap Argun Barış, Ilknur Basyigit, Ozgur Doga Ozsoy, Hale Maral Kur

PA2476  Rosfumilast in sarcoidosis: A retrospective analysis of 51 sarcoidosis patients.
Martin Feineis (Freiburg, Germany), Charlotte Terschlüse, Louis Jouanjan, Björn Frye, Dajana Stolz

PA2477  The mRNA expression of the TGF-beta signalling pathway in Pulmonary Sarcoidosis
Eva Kominková (Olomouc, Czech Republic), Zdenka Navrátilová, Martin Petrek

PA2478  Metabolic regulation of granulomatous inflammation by tryptophan catabolism
Marcela Oliveira (Braga, Portugal), Relber A. Gonçales, Diana Santos-Ribeiro, Oksana Sokhatska, Chiara Suvieri, Luis Delgado, António Morais, Claudia Volpi, Hélder Novais E Bastos, Cristina Cunha, Agostinho Carvalho

PA2479  Efficacy and safety of OATD-01, an oral inhibitor of chitinase-1, for treatment of active pulmonary sarcoidosis: study protocol for a randomized, double-blind, placebo-controlled, multicenter, phase 2 trial.
Marta Dudek (Warsaw, Poland), Theodoros Charitos, Zbigniew Zaslona, Barbara Dymek, Tomasz Rejczak, Kamil Lisiecki, Adam Golębiowski, Piotr Iwanowski, Samson Fung

PA2480  Serum amyloid A and M2 macrophages in intrathoracic sarcoidosis
Zala Lestan Ramovs (Ljubljana, Slovenia), Snezna Sodin-Semrl, Katja Lakota, Sasa Cucnik, Rok Zbacnik, Damjan Manevski, Mirjana Zupancic, Martin Verbic, Marjeta Terecelj
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<tr>
<th>Abstract ID</th>
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<tr>
<td>PA2481</td>
<td>Coexistence of Sarcoidosis and Hypersensitivity Pneumonitis: Diagnostic and Treatment Specificities</td>
<td>Matilde Ferreira De Almeida, Patricia Caetano Mota, Natália Melo, Hélder Novais Bastos, André Terras, David Coelho, Conceição Souto Moura, Susana Guimarães, André Carvalho, António Morais</td>
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<td>PA2482</td>
<td>Reduced CTLA-4 expression in Th17 cells or Tregs induces T cell activation: implications for sarcoidosis</td>
<td>Jelle Rindert Miedema (Rotterdam, Netherlands), Lieke De Jong, Ingrid Bergen, Jennifer Van Hulst, Rudi Hendriks, Odília Corneth</td>
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<td>PA2483</td>
<td>Sarcoidosis meets COVID-19: do they share common pathogenetic mechanisms?</td>
<td>Michele Ciresi (Padova, Italy), Daniele Previtero, Giusi L’Abbate, Elisabetta Cocconcelli, India Sofia Dalla Rosa, Nicol Bernardinello, Roberta Pulverosi, Elisabetta Balestro, Paolo Spagnolo</td>
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<td>PA2484</td>
<td>Circulating exosomes revealing dysregulated pathways in pulmonary sarcoidosis: first results of PULSAR-CLIMB study</td>
<td>Anne-Noëlle Frix (Liege, Belgium), Monique Henket, Latifa Idoufkir, Fanny Gester, Renaud Louis, Njock Makon-Sébastien, Julien Guiot</td>
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<td>PA2485</td>
<td>The diagnostic role of transbronchial lung cryobiopsy in vasculitis with pulmonary involvement</td>
<td>Simone Petraruolo (Padova, Italy), Teresa Calari, Stefano Oldani, Arianna Johanna De Grauw, Sabrina Martinello, Fabio Sultani, Alessandra Dubini, Sara Piciucchi, Claudia Ravaglia, Venerino Poletti</td>
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<td>PA2486</td>
<td>Predictive value of Vanin-1 levels for sarcoidosis diagnosis and clinical stage</td>
<td>Ilknur Basyigit (Kocaeli, Turkey), Gozde Oksuzler, Huseyin Kaya, Serap Argun Baris, Ozgur Doga Oszoy, Hasim Boyacı</td>
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<td>PA2487</td>
<td>Exploring fatigue in patients with sarcoidosis</td>
<td>Nicol Bernardinello (Treinta (RO), Italy), India Sofia Dalla Rosa, Petra Meneghin, Davide Garbin, Gioele Castelli, Elisabetta Cocconcelli, Elisabetta Balestro, Paolo Spagnolo</td>
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<td>PA2488</td>
<td>Biomarkers of Corticosteroid-Resistant Lung Sarcoidosis</td>
<td>Kostiantyn Shvets (Ivano-Frankivsk, Ukraine), Mykola Ostrovsky, Varunkiv Oleksandr, Iryna Savelikhina, Mariana Kulynych-Miskiv, Galyna Korzh, Nadiya Korzh, Alla Zuban</td>
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<td>PA2489</td>
<td>HLA genes and sarcoidosis across three populations: Greeks, Czechs, and Koreans</td>
<td>Martin Petřek (Olomouc, Czech Republic), Aggeliki Rapti, Jin Woo Song, Martina Doubkova, Adam Strnad, Jana Petraňová, Katerina Sikorová, Demosthenes Bourou</td>
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<td>PA2490</td>
<td>Sarcoidosis shares susceptibility loci with autoimmune disorders and cancers</td>
<td>Karina Patasova (Stockholm, Sweden), Olga Chiquimia, Susanna Kullberg, Leonid Padyukov, Natalia V. Rivera</td>
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<td>PA2491</td>
<td>Late Breaking Abstract - Investigating the association between Elderly Onset Sarcoidosis and Malignancy: A Retrospective Comparative Cross-Sectional Study.</td>
<td>Ahmed Elhab (Schwaikheim, Germany), Axel T. Kempa, Ahmad Shalabi, Noha Elkeb, Adam Strnad, Jana Petraňová, Heba Wagihe Abdelwahab</td>
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<td>PA2492</td>
<td>The spectrum of systemic sclerosis-associated pulmonary hypertension (SSc-PH): insights from the ASPIRE registry</td>
<td>Howard Smith (Newport-on-Tay, United Kingdom), Roger Thompson, Mohammed Akil, Samer Alabed, Athanasiou Charalampopoulos, Krit Dvivedi, Charlie Elliot, Abdul Hameed, Ashraf Ali Haque, Judith Hurdman, David Kiely, Rachael Kilding, Kar-Ping Kuet, Alex Rothman, Andy Swift, Robin Condliffe</td>
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<td>PA2493</td>
<td>SSC-PAH patients are at risk of disease progression in contemporary clinical practice</td>
<td>Hilde Jenssen Bjørkergjær (Kristiansand, Norway), Cosimo Bruni, Cathrine Brunborg, Patricia Carreira, Paolo Airò, Carmen Pilar Simeón-Aznar, Marie-Elise Truchetet, Alessandro Giollo, Alexandra Balbir-Gurman, Mickael Martin, Christopher P Denton, Armando Gabrielli, Håvard Fretheim, Helle Bitter, Øyvind Midttvedt, Kaspar Broch, Arne Andreassen, Sverre Hoie, Yoshiya Tanaka, Gabriela Rijmink, Ulf Müller-Ladner, Marco Matteucci-Cerinic, Ivan Castellví, Elise Siegert, Eric Hachullia, Øyvind Møberg, Oliver Distler, Anna-Maria Hoffmann-Vold</td>
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<td>PA2494</td>
<td>Prognostic value of follow-up cardiopulmonary exercise testing in pulmonary arterial hypertension</td>
<td>Andrea Baccelli (London, United Kingdom), Rocco Rinaldo, Rachel Davies, Francesco Lo Giudice, Beatrice Vigo, Wendy Gin-Sing, Gulammehdi Haji, Stefano Centanni, Luke Howard</td>
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PA2495
Risk assessment after combination therapy in patients with CHD-PAH and Eisenmenger Syndrome in a low-middle income country
Arturo Cortes-Telles (Merida (Yucatan), Mexico), Yuliana Valeria Priego-Escamilla, Diana Lizbeth Ortiz-Farias, Esperanza Figueroa-Hurtado, Saúl Vazquez-Lopez, Yurí Noemí Pou-Aguilar

PA2496
The UK National Cohort Study of Idiopathic and Heritable Pulmonary Arterial Hypertension ten years on: an Overview and its Future.
Eckart de Bie (Cambridge, United Kingdom), Colin Church, Gerry Coghlan, Stefan Gräf, Luke Howard, David Kiely, Allan Lawrie, James Lordan, Robert Mackenzie-Ross, Shahin Moledina, Christopher Rhodes, Karen Sheares, Mark Toshner, Martin Wilkins, S. John Wort

PA2497
Characteristics and outcomes of gemcitabine-associated pulmonary hypertension
Pierre Mouillot (Dijon, France), Nicolas Favrot, Charles Khouri, Aurélie Grandvuillemin, Marie-Camille Chaumais, Déborah Schenesse, Andréi Seferian, Xavier Jais, Laurent Savale, Guillaume Beltramo, Olivier Sitbon, Jean-Luc Cracowski, Marc Humbert, Marjolaine Georges, Philippe Bonniaud, David Montani

PA2498
Evaluating the socioeconomic burden of pulmonary arterial hypertension on employment and workplace productivity: A Canadian, cross-sectional study
Brandon Budhram (Calgary, Canada), Jamie Myrah, Cynthia Westerhout, Courtney Gubbels, Wendimagegn Alemayehu, Evelyn Budd, Ted Abraham, Jason Weatherald

PA2499
Association between right heart size and right ventricular output reserve in patients with pulmonary arterial hypertension
Benjamin Egenlauf (Heidelberg, Germany), Kilian Weinstock, Satenik Harutyunova, Alberto M. Marra, Christina A. Eichstaedt, Ekkehard Grünig, Panagiota Xanthouli, Nicola Benjamin

PA2500
Evolution of the incidence of pulmonary arterial hypertension (PAH) in patients with HIV infection over the past 15 years.
Elise Puel (Cadaujac, France), Gwenaël Le Moal, Jean-Claude Meurice, Magali Croquette, Vanessa Bironneau, Elisa Larrieu, Athanasia Boucy, Marc Humbert, David Montani, Laurent Savale, Olivier Sitbon, Etienne-Marie Jutant

PA2501
The Pulmonary Hypertension Global Patient Survey (PH GPS): an overview and results
Joseph Newman (Cambridge, United Kingdom), Gerald Fischer, Matt Granato, Luke Howard, Marcin Kurzyna, Lynsay Macdonald, Gergely Meszaros, Michael Nio, Eva Otter, Millicent Stone, Mark Toshner, Monika Tschida, Joanna Pepke-Zaba

PA2502
Comparing the PAH patients according to their DLCO: results from a Greek PH center.

PA2503
Nocturnal oxygen desaturation in precapillary pulmonary hypertension
Oksana Kalashnykova (Dniepr, Ukraine), Larisa Vasilyeva, Nadia Ivychyna

PA2504
Have clinical characteristics of patients with Pulmonary Arterial Hypertension changed over the years?
Bárbara Gracia Hernández (Huelva, Spain), Fátima Díaz Chantar, Roberto Del Pozo Rivas, Pilar Escribano Subías, Josefa Jiménez Arjona, Rafael Bravo-Marqués, Agueda Aurennetxe Pérez, Ana Torrents, Guillermo Torróa, Isabel Blanco

PA2505
The optimal cut-off value for the one-minute sit-to-stand test to determine functional impairment in patients with pulmonary hypertension
Christina Kronberger (Vienna, Austria), Robin Willixhofer, Nikita Ermolaev, Nima Rassoulpour, Musa Bedirxan Kaya, Michael Poledniczek, Christoph Krall, Brigitte Lischtzauer, Roza Baddr Eslam

PA2506
The role of gas transfer on responses to exercise training in patients with pulmonary hypertension
Ciara McCormack (Navan, Ireland), Sean Gaine, Niall Moyna, Brona Kehoe, Brian McCullagh, Rehan Quader

PA2507
The utility and safety of one-minute sit-to-stand test in pulmonary hypertensive: a prospective study
Kenichiro Takeda (Chiba, Japan), Ayako Shigeta, Takeshi Inagaki, Nami Hayama, Chiaki Kawame, Yasuyuki Naraki, Akira Naito, Ayumi Sekine, Rika Suda, Toshihiko Sugiyama, Takuji Suzuki

PA2508
Constant work-rate cycling time and arterial blood gases in lowlanders with pulmonary arterial and chronic thromboembolic pulmonary hypertension on the second day at 2500m – a randomized cross-over study
Simon Raphael Schneider (Zürich, Switzerland), Aline Röösli, Julian Müller, Meret Bauer, Laura Mayer, Michael Furian, Esther Irene Schwarz, Konrad E Bloch, Mona Lichtblau, Silvia Ulrich

PA2509
Sex-specific differences in echocardiographic parameters of risk stratification in pulmonary arterial hypertension
Ekkehard Grünig (Heidelberg, Germany), Satenik Harutyunova, Nicola Benjamin, Veronika Schiffner, Carolin Resag, Panagiota Xanthouli, Moritz Braun, Christina A. Eichstaedt, Benjamin Egenlauf, Alberto M. Marra, Eduardo Bossone, David K. Kiely
Heart rate variability in patients with pulmonary vascular disease living permanently at high altitude relocated to low altitude
Joël Julien Herzig (Zürich, Switzerland), Esther I Schwarz, Meret Bauer, Elizabeth Cajamarca, Michael Furian, Mona Lichtblau, Laura Mayer, Julian Mueller, Diego Saragoni, Stephanie Saxer, Mirjam Schmucki, Simon R Schneider, Rodrigo Hoyos, Silvia Ulrich

Evaluating the burden of pulmonary arterial hypertension from patient reported changes in work patterns: Results from a Canadian patient survey
Brandon Budhram (Calgary, Canada), Jamie Myrah, Courtney Gubbels, Cynthia Westerhout, Wendiimagegn Alemayehu, Evelyn Budd, Ted Abraham, Jason Weatherald

Poster session: User perception, acceptance, utility and adherence in the digital transformation of respiratory care

Challenge of living with asthma: Results of a survey conducted using mobile application among asthmatics in India
Meena Lopez (Mumbai, India), Vaishali Naik, Swapna Nair, Jaideep Gogtay

Explore the Adherence of Electronic Monitoring systems in Asthma Management
Yi-Ying Liu (Taipei, Taiwan), Han-Pin Kuo, Mei-Chuan Chen, Hsu-Mei Chang, Shu-Chuan Ho

Acceptability, feasibility and utility of presenting live AI-based risk prediction models to a COPD MDT
Anna Taylor (Glasgow, United Kingdom), Shane Burns, Jacqueline Anderson, Eve Walker, Gemma Mckinley, Alex Mcconnachie, David J Lowe, Chris Carlin

A randomised controlled trial to improve medication adherence in COPD patients using a Digital Therapeutics Program
Hanna WU (Beijing, China), Hongtao Niu, Tao Yu, Yushi Zhang, Xuexin Li, Ting Yang

Cultural differences in technology acceptance of COPD patients oh cool: a crosscountry focusgroup study
Esther I. Metting (Groningen, Netherlands)

The key to self-management of respiratory diseases: Embracing appropriate digital health technologies
Tara Byrne (Ballinasloe (County Longford), Ireland), Niall Murray, Mary McDonnell-Naughton, Neil Rowan

Evaluation of Patients Diagnosed with Chronic Obstructive Pulmonary Disease in Terms of Treatment Compliance and Quality of Life After Follow-up with Telemedicine
Zeynep Sena Dogan (Ankara, Turkey), Nurdan Kokturk

Tele-pulmonology in Long covid
Sarang Patil (Dhule (Maharashtra), India)

Digitalized German guidelines in the app LeilaPRO
Andreas Hoheisel (Freiburg, Germany), Thomas Köhnlein, Wolfgang Hanke, Daiana Stolz, Regina Hanke

DigiPat: Respiratory diseases and digital Health Apps
Regina Hanke (Berlin, Germany), Andreas Hoheisel, Corelius Weiss, Gerhard Hoheisel, Daiana Stolz, Thomas Köhnlein, Alexandra Wald

Guided inhalation manoeuvre during nebulisation – tracking and analysing users’ breathing technique
Carolina Dantas (München, Germany), Pascal Foerner, Ulf Krueger

Patients’ Reported Reasons of Non-Attendance in a Respiratory Outpatient Services
Michelle Angeli Uno (Balbriggan, Ireland), Tidi Hassan, Ian Counihan

The use of digital applications in chronic lung diseases in Turkey
Gamze Oğuz Erdem (Kagthane/Istanbul, Turkey), Ali Vefa Öztürk, Rahşan Çevik Akyıl

Implementation and results of a dedicated telemedicine program (TeleTrachea) for patients with tracheal diseases.
Pedro Ciaramlo (São Paulo, Brazil), Paulo Cardoso, Helio Minamoto, Benoit Bibas, Carlos Carvalho, Paulo Pego-Fernandes
| PA2526 | Development of a Mobile Telerehabilitation App for Chronic Respiratory Diseases with Enhanced Remote Monitoring and Tailor-Made Intervention: A Feasibility Study  
Yuko Sano (Chiba, Japan), Jun Ueki, Tomoyuki Morisawa, Kiyoshi Inui, Mariko Takeuchi, Natsumi Nomura, Tetsuya Takahashi, Hiroyuki Daida |
| PA2527 | Late Breaking Abstract - Smartphone application-based pulmonary rehabilitation in patients with chronic respiratory diseases  
Chiwook Chung (Seoul, Republic of Korea), Ah-Ram Kim, Dongbum Kim, Hee Kwon, Seong Ho Lee, Il-Young Jang, Min-Woo Jo, Do-Yoon Kang, Sei Won Lee |
| PA2528 | Late Breaking Abstract - Optimizing inhalation adherence and technique with patient-centric digital technology  
Carola Fuchs (Starnberg, Germany), Philippe Reimpell, Lea Botermann, Lena Schlick, Andreas Liebl, Rupa Ram, Benjamin Heine, Simon Buchner, Matthias Finke, Arshan Perera, Tobias Hoffmann, Gesa Bräunleih, Michael Hahn |
| PA2529 | Late Breaking Abstract - Evening Administration of Long-Acting Muscarinic Antagonists in Chronic Obstructive Pulmonary Disease to Prevent Exacerbations  
Pradeesh Sivapalan (Gentofte, Denmark), Valdemar Romer, Alexander Jordan, Niklas Dyrby Johansen, Manan Pareek, Daniel Modin, Alexander Mathioudakis, Jørgen Vestbo, Josef Eklöf, John R Hurst, Tobias Wierenfeldt Klausen, Tor Biering-Sørensen, Jens-Ulrik Stæhr Jensen |
| PA2530 | Late Breaking Abstract - Audit of oxygen prescription and monitoring: Improving by dedicated prescription stamp  
Sai Greeeshma (Singarayakonda, India), Vinod Govindasami, Koushik Muthuraja, Harprasad Balakrishnan, Irfan Ismail Ayub, Dhansekar Thangaswamy, Abdul Majeed Arshad |

**PS-30 Session 244 08:00 - 09:30**

**Poster session: Therapeutic bronchoscopy: for all ages**

**Disease(s):** Thoracic oncology, Pulmonary vascular diseases, Airway diseases, Interstitial lung diseases

**Method(s):** Endoscopy and interventional pulmonology, Palliative care

**Tag(s):** Clinical

**Chairs:** Gregoris Stratakos (Athens, Greece), Gianna Vargas Centanaro (Madrid, Spain)

| PA2531 | Foreign body aspiration through the eyes of a pediatric pulmonologist? Is it possible to reduce the rate of negative bronchoscopies?  
Birce Sunman (Ankara, Turkey), Halime Nayir Büyüksahin, Ismail Guzelkas, Didem Alboga, Meltem Akgul Erdal, Havva İpek Demir, Raziye Atan,Burcu Capraz Yavuz, Burak Ardıcı, İddil Rana Uzer, Ozlem Teksam, Nagehan Emiralioglu, Ebru Yalıncı, Deniz Doğru, Uğur Özcetlik, Nural Kiper |
| PA2532 | Management of plastic bronchitis with Topical Tissue-type Plasminogen Activator instillation in children  
Amal Saidani (Bizerte, Tunisia), Sabrine Louhaichi, Besma Hamdi, Rachia Smoua, Amira Dridi, Jamel Ammar, Agnes Hamzaoui |
| PA2533 | Late Breaking Abstract - Comparison of ultrathin bronchoscope versus thin bronchoscope for the diagnosis of peripheral pulmonary lesions without fluoroscopy: a randomized trial  
Fangfang Xie (Shanghai, China), Changhao Zhong, Quncheng Zhang, Lei Zhang, Dan Liu, Xiaoxuan Zheng, Xiaojun Zhang, Shiyue Li, Juyuan Sun |
| PA2534 | Endobronchial foreign bodies in pediatric work – history and clinical signs suggestive of diagnosis  
Corina Conica (Chișinău, Republic of Moldova), Victor Rașcov, Diana Rotaru-Cojocari, Svetlana Sciuca |
| PA2535 | Treatment of pediatric bronchial Dieulafoy’s lesion by ethylene vinyl alcohol copolymer embolization  
Xinzhuo Liu (Chongqing, China), Shuliang Guo, Wei He, Quebi Li, Qijian Yi |
| PA2536 | Artificial Intelligence for automatic and objective assessment of competencies in flexible bronchoscopy.  
Kristoffer Mazanti Cold (Copenhagen, Denmark), Kaladerhan Agbontaen, Anne Orholm Nielsen, Christian Skjoldvang Andersen, Suveer Singh, Lars Konge |
| PA2537 | Mastery learning guided by artificial intelligence is superior in flexible bronchoscopy training: a randomized controlled trial.  
Kristoffer Mazanti Cold (Copenhagen, Denmark), Wei Wei, Kaladerhan Agbontaen, Suveer Singh, Lars Konge |
| PA2538 | First experiences with Augmented Gravity Bronchoscopy  
Amanda Dandanell Juul (Odense S, Denmark), Pernille Kirkegaard Knudsen, Rikke Bolding Jepsen, Malte Kongstad Deleuran, Arman Arshad, Jeppe Frost Andersen, Anders Stengaard Sorensen, Anders Bo Nielsen, Tina Dalager, Karen Sogaard |
| PA2539 | Single-center study on the effectiveness and safety of stent and occluder in the treatment of patients with secondary malignant airway-digestive fistula  
fei tang (Hefei, China), Liping Lyu |
Introducing a novel “scrub and clotting patch technique” before bronchial occlusion
Yasuyuki Mizumori (Himeji, Japan), Yoshihiro Seri, Ryota Kominami, Takayuki Ino, Sachiko Higashino, Tomohiro Kato, Hiroaki Tsukamoto, Shin Sasaki, Yasuharu Nakahara, Tetsuji Kawamura

Fenestrated versus conventional Dumon stent in the management of benign central airway stenosis
Qixia Wang (Guangzhou, China), Yihua Xu, Zijian Wen, Yanghuan Chen, Yu Chen

Long-term Efficacy and Safety of the DUMON ST Hourglass Stent for Treatment of Post-Intubation or Tracheotomy Benign Tracheal Stenosis
Xuemin Chai (Chongqing, China), Yishi Li, Shuliang Guo

Biodegradable stents – a new option for benign central airway stenosis
Oğuz Karcioğlu (Ankara, Turkey), Eda Boerner, Faustina Funke, Jane Winant (Austria), Filiz Öezkan, Rüdiger Karpf-Wissel, Kaid Darwiche

Neither “hot” nor “cold” – Re-establishing the role of the micro-debrider in central airway obstruction.
Shyam Krishnan (Kolkata (West Bengal), India), Avirup Maiti, Raja Dhar

Successful occlusion of a bronchopleural fistula by a tracheostomy placeholder applied via interventional bronchoscopy in a patient with persistent thoracostomy
Annika Hoehn (Essen, Germany), Miguel Rocha, Filiz Öezkan, Jane Winant, Stefanie Werther, Christian Taube, Lutz Freitag, Kaid Darwiche

Thulium laser therapy: A new tool for central airway obstruction, with applicability near metal stents
Kaumudi Devi (Trivandum, India), Ravindra Mehta, Sameer Bansal, Hari Prasad, Chakravarthi Lokanath

Different outcome of short-term self-expandable metallic stents placement and balloon dilatation for treated benign tracheobronchial stenosis.
Chia-Hung Chen (Taichung, Taiwan), Chih-Yen Tu, Wei-Chih Liao, Biing-Ru Wu, Wen-Chien Cheng

Endobronchial brachytherapy as an additional procedure for patients with endobronchial neoplastic lesions. A 10 year experience of our anticancer institute.
Danai Bisirtzoglou (Athens, Greece), Efthalia Gkioxari, Konstantina Papalla, Athanasios Zetos, Hra Michailidou, Vasiliki Petta, Georgia Hardavella, Maria Salomidou, Georgios Politis

The role of single use bronoscopes in central airway obstruction management - an open label randomised controlled trial.
Filip Popović (Zagreb, Croatia), Goran Glodić, Denis Baričević, Dražen Srdić, Marta Koršić, Miroslav Samaržija, Sonja Badovinac

Current therapeutic approach in patients with pleural infections: results from a multicentre Italian study (INPLE study)
Francesco Del Bello (Falconara Marittima, Italy), Francesca Gonnelli, Martina Bonifazi, Lina Zuccatosta, Alessandro Di Marco Berardino, Michele Sediari, Laura Cirilli, Federico Mei

Late Breaking Abstract - Combining CT and spirometry to determine hyperinflation in COPD patients for lung volume reduction eligibility
Karim Klooster (Groningen, Netherlands), Jens T Bakker, Jorine E. Hartman, Dirk-Jan Slebos

Malignant pleural effusion - agreement between LENT and PROMISE scores
Laura Lopes (Bragança, Portugal), Pedro Gonçalo Ferreira, Tiago Alfaro, Jessica Cemlyn-Jones, Fernanda Gamboa, Yvette Martins

Should INR be checked before all pleural procedures or only those who have bleeding risk factors?
Kylie Jones (Ipswich, United Kingdom), Jin Lee, Md Erfanur Rahman Shuvo, Matthew J. Burton

A Novel method for Pleurodesis: The Double Agent Pleurodesis
Kaumudi Devi (Trivandum, India), Ravindra Mehta, Sameer Bansal, Rohit Vadala, Hari Prasad

Poster session: Pleural procedures: progress beyond imagination!

Disease(s): Thoracic oncology, Respiratory critical care, Airway diseases
Method(s): Endoscopy and interventional pulmonology, Palliative care, Surgery, General respiratory patient care, Imaging, Cell and molecular biology, Epidemiology, Pulmonary function testing

Chairs: Anand Sundaralingam (Oxford, United Kingdom), Peter I. Bonta (Amsterdam, Netherlands)
Efficacy of uniportal video-assisted medical thoracoscopy in the management of multiloculated pleural infections: a retrospective study
Amr Shoukri (Cairo, Egypt)

Pleural Nurse Specialist led Image Guided Pleural Biopsy Service – pleural tissue yield and change in diagnosis at 6 months follow up
Farinaz Noorzad (Chislehurst, United Kingdom), Helen Meredith

Late Breaking Abstract - Safety and Efficacy of Bronchoscopic cryospray therapy for refractory or Unexplained chronic cough: Preclinical investigations and First-in-human trial
Junfeng Huang (guangzhou, Guangdong, China), Difei Chen, Shuxin Zhong, Kian Fan Chung, Ruchong Chen, Shiyue Li

Diagnostic utility of medical thoracoscopy in miscellaneous conditions other than tuberculosis and malignancy- a retrospective analysis.
Mahaveera Bnbm Prasad (Jodhpur (Rajasthan ), India)

Setting up a more affordable Indwelling Pleural Catheter (IPC) set and it's procedural application in resource limited setting. Parts, assembling and cost effectiveness of Paul's IPC set.
Akhil Paul (Kunnamkulum (Kerala), India), Jibin James, Nivediya Venugopal

Outcome after treatment of malignant pleural effusion (MPE) with indwelling pleural catheter (IPC). Multicentric study (PLEURORAPID trial: PI21/01420)
Maria Isabel Botana Rial (Vigo (Pontevedra), Spain), Irene Lojo Rodriguez, Cristina Ramos Hernández, Miguel Iglesias Heras, Rosa Cordovilla Perez, Lucia Ferreiro Fernández, Olalla Castro Añon, David Dacal Rivas, Juan Suarez Antelo, Manuel Nuñez Delgado, Alberto Fernández Villar

Complications during in-hospital chest tube drainage for iatrogenic pneumothorax: A retrospective study on complication type, incidence and management.
Søren Helbo Skaarup (Aarhus C, Denmark), Birgitte Siem Joensen, Uffe Bodtger, Christian Laursen, Rob Hallifax, Beenish Iqbal

Bleeding risk with antiplatelet use during thoracentesis: systematic review with confounder matrix
Cary Amiel Villanueva (Manila, Philippines), Aila Marnelle Cruz, Gene Philip Louie Ambrocio

Reducing pulmonary hemorrhage risk in CT-guided lung biopsy - impact of ground-glass opacification in the access pathway and lung gravitational physiology.
Leonie Manser (Bern, Switzerland), Michael Brönnimann, Andreas Christe, Johannes Heverhagen, Bernhard Gebauer, Dirk Schnapauff, Federico Collettini, Christophe Schroeder, Patrick Dorn, Lukas Ebner, Timo Auer, Adrian Huber

Exploring the potential of cell free tumor DNA in bronchoscopic diagnosis of peripheral lung lesions- The DRILL study
Amanda Dandanell Juul (Odense S, Denmark), Arman Arshad, Alice V. Christophersen, Julie Gellert Larsen, Alexis Pulga, Pernille Kristiansen, Rikke Fredslund Andersen, Torben Riis Rasmussen, Søren Helbo Skaarup, Ole Hilberg, Christian B. Laursen

Ex vivo confocal laser scanning microscopy – a potential tool for histological rapid on-site examination in Interventional Pulmonology
Thomas Galasso (Bologna, Italy), Marco Ferrari, Francesca Giunchi, Mattia Riefolo, Stefania Damiani, Martina Ferioli, Pasquale Fabio Leggieri, Gian Piero Bandelli, Filippo Natali, Piero Candoli

EXTERNAL VALIDATION OF THE CAPAD SCORE TO PREDICT THE OCCURRENCE OF PNEUMOTHORAX AFTER CT-GUIDED PERCUTANEOUS TRANSTHORACIC LUNG BIOPSY
Guillaume Eberst (Besançon, France), Mohammad Waqaas, Alicia Guillien, Antoine Khalil, Joffrey Hamam, Julien Behr, Philippe Manzoni, Paul Calame, Franck Grillet, Gérard Zalcman, Valérie Gounant, Virginie Westeel

Advancing cytohistological techniques in the bronchoscopic suite: Imprint Smears versus Frozen Section
Shyam Krishnan (Kolkata (West Bengal), India), Nirmalya Banerjee, Dipendu Dey, Raja Dhar

Level and predictors of anxiety in patients undergoing bronchoscopy
Aissa Sana (Sousse, Tunisia), Kacem Amani, Bouguezzi Rim, Ben Jazia Rahma, Ben Bedira Baraa, Benzarti Wafa, Knaz Asma, Kherrat Imen, Gargouri Imen, Maatallah Anis, Abdelghani Ahmed

Late Breaking Abstract - Efficacy and safety of transbronchial radiofrequency ablation for peripheral lung cancer: a single-center retrospective study
Jayayan Sun (Shanghai, China), Siyuan Hong, Junxiang Chen, Chuanjia Gu, Fangfang Xie, Du Xu
**Disease(s):** Pulmonary vascular diseases  Airway diseases  Respiratory critical care

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

**Tag(s):** Congress theme: Humans and Machines: getting the balance right

**Chairs:** Jouke T. Annema (Amsterdam, Netherlands), Anders Bo Nielsen (Odense C, Denmark)

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**Short-term effects of lung auscultation education using visualization for medical students**
Chiaki Kawame (chiba, Japan), Hajime Kasai, Yuki Shikó, Ayaka Kuriyama, Kenichiro Takeda, Hiroshi Tajima, Nami Hayama, Mikihiito Saito, Takuji Suzuki

**PA2571**

**Dx3D: A digital medical education campaign for increasing awareness of the signs of PH & CTEPH on CTPA amongst UK physicians**
Christopher Felix Lawton Brewer (London, United Kingdom)

**PA2572**

**A novel approach for aerosol therapy education: simulation-based program**
Arash Taki (Düsseldorf, Germany), Gavin Bennett, Amy Tatham, Alexander Rentrop, Wolfgang Heinrichs, Claus F Vogelmeier

**PA2573**

**Non-invasive ventilation simulation training for the multi-professional team**
Kavita Patel (London, United Kingdom), Humaira Patel, Clare Greenwood, Karen Stevens, Maria Regencia, Leyla Ahmet, Fareeda Riaz, Vladimir Macavei

**PA2574**

**How do attending physicians use the scaffolding functions during the ICU bedside round?**
Chayanon Songsomboon (Bangkok, Thailand)

**PA2575**

**Enhancing Respiratory Auscultation Skills Through Clinical Correlation and Imaging**
MATHEUS RABAHI (GOIANIA (GO), Brazil), Philippe Colares, Marcelo Fouad Rabahi

**PA2576**

**Toward Evidence-Based Practice: Exploring Influential Factors Among Respiratory Health Professionals in Latin America**
Matías Otto-Yáñez (Santiago De Chile, Chile), Vicente Benavides Córdoba, Guilherme Fregonezi, Vanessa Resqueti, Orlando Pérez Nieto, Alejandra Cañas, Santiago Larrategui, Guillermo Mazzucco, Jhonatan Betancourt-Peña, Rodrigo Torres-Castro

**PA2577**

**‘Train to Drain’: a Quality Improvement Project to Improve the Confidence of Doctors and Nurses in Managing Patients with Chest Drains**
Beenish Iqbal (Oxford, United Kingdom), Dinesh Addala, Suzy Guo, Alguili Elsheikh, Anand Sundaralingam, Rob Hallifax, Najib Rahman, John Wrightson

**PA2578**

**Evaluation of expertise acquisition in thoracic ultrasound after residential course.**
Luca Passantino (Rome, Italy), Lorenzo Carriera, Rodrigo Barone, Chiara Di Cienzo, Giovanni Pierro, Alessandro Perrotta, Riccardo Inchingolo, Andrea Smargiassi, Luca Richeldi

**PA2579**

**Development of a low-cost respiratory artificial mucus for clinical simulation**
Carlos Ramirez Gonzalez (Recife, Brazil), MARISMAR FERNANDES DO NASCIMENTO, Clara M. P. Araújo, Paulo R. S. O. Neto, Emanuel F. F. Silva Júnior, Layane S. P. Costa, Edval G. Araújo, Shirley Campos

**PA2580**

**Advancing TB education in Ukraine: virtual technologies for CME amid challenges**
Natalia Lytvyenkenko (Kiev, Ukraine), Oleksii Kosyvchenko, Maryna Pohrebna, Yuliia Senko, Anastasiia Lafeta, Olena Pavlenko, Aleksey Bogdanov, Gunta Dravniece

**PA2581**

**Pleural procedures workshop: Our experience in Ayr Hospital**
Nicola Trotter (Ayr, United Kingdom), Anur Guhan, Sagara Dissanayaka

**PA2582**

**Experience in developing a Respiratory simulation program in a DGH.**
Mohamad Hasan (Blackpool (Lancashire), United Kingdom), Hashim Hameed, Thomas Bongers

**PA2583**

**Ward based inhaler technique service reduces use and carbon footprint of short-acting beta-agonist (SABA) inhalers**
Toby Capstick (Leeds (West Yorkshire), United Kingdom), Nooria Azeez, Gary Deakin, Ashleigh Goddard, Dawn Goddard, Ian Clifton

**PA2584**

**Awareness of green inhalers is limited among Irish prescribers**
Ankit Yadav (Dublin, Ireland), Iarlaith Doherty, Ammar Janjua, Sean Garvey, Deirdre Fitzgerald

**PA2585**

**The top 5 research priorities in asthma- parents' perspective**
Adnan Zafar (Hofuf, Saudi Arabia)

**PA2586**

**Communicating risk of asthma attacks to patients and the public**
Heesu Yang (Auckland, New Zealand), Amy Hai Yan Chan, Jeff Harrison

**PA2587**
Healthy Lungs for Life for Schools (hlfl4s)–expanding in Italy the pilot of an early life intervention to prevent lung disease in adulthood (a CADSET pilot project)


Evaluation of Patient Knowledge and Attitudes towards chronic obstructive pulmonary disease (COPD) Management: A cross-sectional study

Emma Benjemia (Tunis, Tunisia), Slim Kalboussi, Waffa Meddi, Hend Ouertani, Jiheen Ben Amar, Haifa Zaibi, Hichem Aouina

Alpha ID oral sample self collection study for DAAT diagnosis

Walther Ivan Giron Matute (Madrid, Spain), Juan Luis Garcia Rivero, Ines Carrascosa, Idoia Salinas, Cristobal Esteban, Carlota Rodriguez Garcia, Maria Luisa Torres Durán, Agustin Medina, Julian Ceballos, Cristina Martinez, Gonzalo Jimenez Galvez, Marta Ferrando Caballero, Goio Rica, Elisabeth Ferrer Andres, Estrella Drobnic Martinez
Assessment of strain effects of normal values of respiratory mechanics in rats
Gergely H. Fodor (Szeged, Hungary), Ferenc Rárosi, Bence Ballók, Fruzsina Kun-Szabó, Petra Somogyi, Ferenc Peták

Reliability and utility of the 6-minute walk test in granulomatous-lymphocytic interstitial lung disease (GLILD)
Heba M Bintalib (London, United Kingdom), Reem Alluhibi, John R Hurst

A response bias exists away from Borg Category-Ratio 0-10 scale values without associated verbal descriptors for symptom intensity ratings during cardiopulmonary exercise testing
 Rachelle Aucoin (Montreal, Canada), Magnus Ekström, Pei Zhi Li, Jean Bourbeau, Wan C. Tan, Dennis Jensen

Discord of prediction equations in assessment of exercise intolerance
Mehrjad Arjomandi (San Francisco, United States), Siyang Zeng, Irene Lin, Gang Luo

Abnormal ventilatory responses during cardiopulmonary exercise testing in children with upper airway obstruction. Why am I short of breath when I have a large reserve?
Paul Burns (Glasgow (Glasgow), United Kingdom), David Wynne, Philip Davies, Ross Langley

In patients with interstitial lung disease, the greatest drop in oxygen pulse saturation does not occur at the end of the exercise test, but in the minute after
Daniela Díaz Hinojosa (Santiago, Chile), Karin Herrera Carrasco, Jennifer Fuentes Landeta, André Pinto Sánchez, Matías Florenzano Váldes

The role of diffusion lung capacity for nitric oxide in the management of patients with Idiopathic Pulmonary Fibrosis
Donato Lacedonia (Molfetta (BA), Italy), Matteo Pio Natale, Pasquale Tondo, Giulia Sciscia, Luciana Salerno, Fabiola Murgolo, Ruggiero Torraco, Maria Cristina Colanardi, Gianluca Libero Ciliberti, Filomena Simone, Maria Pia Foschino Barbaro

A randomised crossover trial to investigate the clinical utility of orally delivered oxygen nanobubbles in Pulmonary Fibrosis
Mihir Sheth (Oxford, United Kingdom), Peter Saunders, Nikolaos Kanellakis, Nick Talbot, Christopher Turnbull, Ashok Handa, Eleanor Stride, Najib Rahman

Late Breaking Abstract - Changes in spirometry interpretative strategies. Knowledge and perception in health care workers of LATAM
Rosaura Esperanza Benítez Pérez (México, Mexico), Arturo Cortés-Telles, Gustavo Iván Centeno-Saenz, Irlanda Alvarado-Ador, Karla Elizabeth Lagunes-Salazar

Comparison between positive end expiratory pressure guided by stress index and low PEEP/FiO2 table in moderate to severe ARDS
TUO-YU KO (New Taipei City, Taiwan), Kuo-Chin Kao

PEEP-induced Lung Recruitment Maneuver Combined with Prone Position for ARDS
 lan lan (Chengdu, China), Yue Nan Ni, Yu Bei Zhou, Feng Ming Luo

Does Use Of A Heat and Moisture Exchanger Affect pMDI Delivery to a Simulated Patient on Mechanical Ventilation
Mark Nagel (London (ON), Canada), Jason Suggett, Cathy Doyle, Rubina Ali

Clinical factors associated with racial differences in the prevalence of occult hypoxemia: a retrospective case-control study
Sofia Mettler (Cambridge, United States), Nipith charoenngam, Aunchalee jaroenlapnopparat, Courtney Tern, sofia Economidou, nutchapon xanthavarny, Matthew strand, Brian hobb, Matthew moll, Michael cho

Stoma Stent in a tracheotomy decanulation process. Experience in a cohort of patients with prolonged mechanical ventilation.
Ana Reyes Pardessus Otero (Barcelona, Spain), Paula Pujal, Albert Rafecas, Carolina Panadero, Patricia Peñacoba, Carmen Puy, Macarena Segura, Pedro A. Anton

Prediction of Exubation Successful in an Medical ICU using Machine Learning: A Preliminary Study
Chang Yujen (Taichung City, Taiwan), Chi Shuhua
| PA2617 | Exploring the Therapeutic Role of Early Heparin Administration in ARDS Management | Wang Deng (Chongqing, China), Ling-Xi Xiao, Dao-Xin Wang |
| PA2618 | Efficacy of four high flow therapy devices in mucus clearance: A bench Study | Roberto Martinez Alejos (Montpellier, France), Marius Lebret, Gustavo Plotnikow, Fresnel Emeline, Maxime Patout |
| PA2619 | Prevalence of abdominal compartment syndrome and effect of decompressive laparotomy in patients requiring ECMO | Christoph Fisser (Regensburg, Germany), Chiara Koch, Maximilian Malfertheiner, Maik Foltan, Alois Philipp, Dirk Lunz, Thomas Müller, Matthias Lubnow |
| PA2620 | The impact of aviptadil as an add-on to the standard of care in acute respiratory distress syndrome | Soumyadeep Ghosh (Burdwan, India), Subhadip Pal, Bhupeph Dewan |
| PA2621 | Peripheral eosinophilia is associated with non-classical radiological patterns in acute respiratory distress syndrome | gayathiri sivasubramaniam (London, United Kingdom), Wing Sze Sara Hui, Bhavin Rawal, Sujal Desai, Brijesh V Patel |
| PA2622 | Impact of Tracheostomy Modalities on Ventilatory Mechanics: a bench study | Marius Lebret (ROUEN, France), Yann Combret, Margaux Machefert, Guillaume Prieur, Elise Artaud Macari, Bouchra Lamia, Emeline Fresnel, Clément Médralin |
| PA2623 | Comparison of ventilatory responses of different respiratory profiles between humidified high-flow, pressure support and T-piece spontaneous breathing trials: A bench study. | Guillaume FOSSAT (Olivet, France), Emeline Fresnel, Mai-Anh Nay, Roberto Martinez Alejos, Clément Medrinal, Marius Lebret |
| PA2624 | Inflammation-induced generation of splenic erythroblast-like Ter-Cells alleviates acute lung injury | Qiao Zhou (ShangHaiChina, China), Chong Bai |
| PA2625 | Temporal trends of patients who require complex weaning, 2006-2018 | Alessandra Sorano (Firenze, Italy), Neeraj M Shah, Rebecca F D’Cruz, Michael Cheng, Khaled Alarfí, Philip Marino, Michelle Ramsay, Shelley Srivastava, Joerg Steier, Eui-Sik Suh, Nicholas Hart, Federico Lavorini, Georgios Kaltsakas, Patrick Murphy |
| PA2626 | Ly6C+ cDC2-specific CXCR1 defects mitigate acute lung injury by suppressing the Th17/Treg imbalance via MEK1/ERK signaling downregulation. | Shenghui Li (Shanghai, China), Yang Wang, Xiucheng Liu, Chang Chen |
| PA2627 | The comparison of two pendrin inhibitors, YS-01 and PDSinh-C01, in lipopolysaccharide-induced acute lung injury | Mi Hwa Shin (Seoul, Republic of Korea), Haeng Ran Park, Moo Suk Park, Jae Young Choi, Wan Namkung, Gyoonhee Han |
| PA2628 | Bedside lung ultrasound correlates to chest x-ray and histology in relevant sepsis+aspiration+VILI-induced triple-hit model of ARDS in swine | Jacqueline Rioux (AURORA, United States), Livia Veress, Jules Harral, Joseph Hippensteel, Bradford Smith |
| PA2629 | Does prone positioning benefit for patients with ARDS receiving ECMO: A meta-analysis | Jiawei Zhou, Ziyan Liu, Yan Zhang, Ting Zhang, Xia Li, Na Yu, Wei Wang |
| PA2630 | Indicators of different outcomes after prolonged weaning: results from a specialist weaning centre | Julia Dorothea Michels-Zetsche (Heidelberg, Germany), Evelyn Röser, Hilal Ersöz, Benjamin Neetz, Jana Christina Dahlhoff, Frederik Trinkmann, Philipp Höger, Max Barre, Sebastian Fähndrich, Florian Bornitz, Felix J.F. Herth, Franziska Christina Trudzinski, |

**PS-6**

**Session 249** 08:00 - 09:30

**Poster session: Unveiling mechanisms in chronic lung diseases: from bronchopulmonary dysplasia to fibrosis, pulmonary hypertension and cancer**

**Disease(s):** Interstitial lung diseases, Thoracic oncology, Airway diseases, Pulmonary vascular diseases

**Method(s):** Cell and molecular biology, Physiology, Pulmonary function testing

**Tag(s):** Translational

**Chairs:** Aurélien Justet (Caen, France), Georges Doumet Helou (Paris, France)

| PA2631 | The YAP profile of lung fibroblasts differs when subjected to cyclic stretch in a 2D and 3D environment | Linda Elowsson (Lund, Sweden), Anna Cederberg, Bryan Falcons, Gunilla Westergren-Thorsson |
| PA2632 | RING1, a novel E3 ubiquitin ligase for CIP2A, negatively regulates smoking-induced lung tumorigenesis | Peter Lee (Seoul, Republic of Korea), Jun-O Jin, Seung Min Jeong |
Early Detection of Lung Cancer Based on the Presence of Lung-derived cfDNA in Plasma- Preliminary Results
Ariel Rokach (Jerusalem, Israel), Judith Magenheim, Moshe Shram, Yazeed Rajabi, Ahmad Quteineh, Menachem Bitan, Gabriel Izbiicki, Vered Colhoff, Yael Batan, Alona Lin, Brucha Ganun, Nissim Arish, George Kalak, Amir Jarjoui, Nader Abdelrahman, Chen Chen Shuali, Hava Azulai, Hezi Barhoum, Danit Kochan, Yuval Dor

Deciphering NEUROD1's target genes and miRNAs: an integrative analysis in small cell lung cancer
Hiroshi Takumida (Tokyo, Japan), Akira Saito, Yasuhiro Terasaki, Yugo Okabe, Yu Mikami, Hidenori Tanaka, Hidenori Kage, Masafumi Horie

Role of HLA-G in Sardinian Idiopathic Pulmonary Fibrosis patients.
Silvia Deidda (Cagliari, Italy), Michela Lorrai, Caterina Mercure, Francesca Mele, Sara Lai, Stefano Mocci, Erika Giuretti, Celeste Sanna, Michela Murgia, Meropi Plousiou, Gaia Tosone, Alessia Mascia, Marina Serra, Andrea Perra, Maria Antonia Gammino, Sabrina Giglio, Roberto Littera

Accumulation of AIF1 in Lung Fibroblasts Enhances Response to TGF-β and Advances Pulmonary Fibrosis Progression
Lian Liu (Chengdu (Sichuan), China)

Analysis of transcriptional profile of lung fibroblasts derived from patients with progressive pulmonary fibrosis (PPF)
Audrey Joannes (RENNES, France), Tom Voisin, Claudie Morzadec, Alice Lettellier, Cécile Le Naoures, Bertrand Richard De Latour, Bruno Crestani, Stéphane Jouneau, Laurent Vernhet

High Expression of Bpifb1 Stimulates Macrophages to Secrete Inflammatory Factors and inducing Pulmonary Fibrosis
Mei Chen (Chengdu (Sichuan), China), Lian Liu

Towards precision medicine: Systemic Sclerosis research in light of sex- differences
Valentina Biasin (Graz, Austria), Pamela Waked, Anna Birnhuber, Petra Kotzbeck, Ines Foessl, Diana Zabini, Leigh M. Marsh, Slaven Crnkovic, Andrea Olschewski, Barbara Obermayer-Pietsch, Grazyna Kwapiszewska

Endothelial ER protein TXNDC5 promotes lung fibrosis by augmenting endothelial-to-mesenchymal transition
You Jing-Jing (Taipei, Taiwan), Yang Kai-Chien

Pan-PPAR agonists directly target BK channels for the acute relaxation of pulmonary arteries.
Nagaraj Chandran (Graz, Austria), Neha Sharma, Janos Almassy, Peter Enyedi, Horst Olschewski, Andrea Olschewski

Identification of CFTR proximal interactome: Proximity labeling approaches Reveals new insights
Benoit Chevalier (Paris, France), Solene Castangier, Iwona Franke, Vincent Jung, Chiara Guerrera, Aleksander Edelman, Isabelle Sermet-Gaudelus, Alexandre Hinzpeter

Targeted RNA-based next-generation sequencing as a robust diagnostic tool for non-small cell lung cancer genetic testing
Magdalena Pele (Warsaw, Poland), Urszula Lechowicz, Adam Szpechciński, Joanna Moes-Sosnowska, Paulina Skronksa, Adriana Rozy, Aneta Zdral, Emil Wojda, Mateusz Polaczek, Magorzata Szołkowska, Tadeusz Orlowski, Pawel Sliwinski, Renata Langfort, Joanna Chorostowska-Wynimko

Improved detection of druggable EGFR variants in non-small cell lung cancer using targeted next-generation sequencing
Adam Szpechciński (Warszawa, Poland), Joanna Moes-Sosnowska, Urszula Lechowicz, Paulina Skronksa, Magdalena Pele, Magorzata Szołkowska, Emil Wojda, Piotr Rudzinski, Krystyna Maszkowska-Kopij, Mateusz Polaczek, Renata Langfort, Pawel Sliwinski, Tadeusz Orlowski, Joanna Chorostowska-Wynimko

Differential transcriptional response of alveolar epithelial cells and pulmonary vascular endothelial cells to hypoxia
Rainer Böger (Hamburg, Germany), Juliane Hannemann, Lena Schmidt-Hutten, Fiona Kleinsang

L-NAME (NG-nitroarginine methyl ester) establishes foetal growth restriction and induces structural and functional lung changes in a multi-insult animal model of bronchopulmonary dysplasia
Marnel Greyling (Belgium), Jaan Toelen
Gene expression analysis of bronchial epithelium in adults with a history of bronchopulmonary dysplasia (BPD) compared to relevant control groups
Martina Bonatti (Solna, Sweden), Iryna Kolosenko, Klementy Shchetynsky, Petra Um Bergström, Eva Berggren Broström, Magnus Sköld, Åsa Maria Wheelock

Molecular hallmarks of lung cellular senescence in the bleomycin-induced and spirometry-confirmed mouse model of IPF
Asbjørn Graver Petersen (Hørsholm, Denmark), Susanne Pors, Emma Rørbeck, Henrik H. Hansen, Michael Feigh

Poster session: Mucus dynamics and cellular secretion in pulmonary health and disease

Disease(s): Airway diseases, Respiratory critical care, Interstitial lung diseases
Method(s): Cell and molecular biology, Physiology, Pulmonary function testing, Imaging
Tag(s): Translational

Pathogenic extracellular vesicles link smoking to COPD
Camilla Margaroli (Birmingham, United States), Matthew C Madison, Kristopher R Genschmer, Derek W Russell, James M Wells, Ezgi Şari, Yixel Soto-Vazquez, Yuanyuan Guo, Kyle T Mincham, Robert J Snelgrove, Amit Gaggar, James E Blalock

Macrophage-Derived Exosomes Promote Lung Fibroblast Activation in Response to Cigarette Smoke
Renata Esposito (Caserta, Italy), Davida Mirra, Francesca Panico, Giuseppe Spaziano, Joselyn Rojas-Quintero, Francesca Polverino, Bruno D’Agostino

Identification of molecular candidates of cilia-associated alterations in asthma
Maëva A. Devilliers (Reims, France), Audrey Brisebarre, Laure Petit, Myriam Polette, Gaëtan Deslée, Valérain Dormoy, Jeanne-Marie Perotin

Structure-function relationships of mucociliary clearance in human airways
Janna Nawroth (Munich, Germany), Doris Roth, Tugce Sahin, Feng Ling, Eric Quiroz, Ben Calvert, Anne Van Der Does, Pieter Hiemstra, Annemarie Van Schadowjek, Sarah Glasl, Takuto Güney, Niels Tepho, Laura Von Schledorn, Ruth Olmer, Eva Kanso, Ryan Amy

Measuring mucus rheology in airway epithelial cultures for donor and disease phenotyping
Feng Ling (munic, Germany), Tugce Sahin, Janna Nawroth

Alveolar macrophage derived miR-380 drives chronic mucus hypersecretion via regulation of airway epithelial cell CFTR
Jingxi Zhang (Shanghai, China), Xuetong Yue, Donghai Chen, Guanglin Zhu, Yiping Han, Chong Bai, Yuchao Dong

Water sorption capacity of airway mucus in COPD patients vs. mucus of patients without lung pathology following mechanical ventilation
Georg Nilius (Dortmund, Germany), Maik Schroeder, Ulrike Domanski, Stanislav Tatkov

Targeting mucus hyperproduction in COPD using siRNA-loaded switchable lipid nanoparticles to silence SPDEF
Isabelle Dupin (Bordeaux, France), Thais Rivetta, Aurore Guédon-Beaupréau, Eloise Latouille, Elise Mourat, Matthieu Thumerel, Patrick Berger, Jeanne Leblond Chain

Late Breaking Abstract - The club cell circadian clock regulates airway barrier integrity
Jafar Cain (Manchester, United Kingdom), Felicity Hunter, Vishvangi Deugi, John Blakely, Amlan Chakraborty, Julie Gibbs, Hannah Durrington

Effect of cigarette smoke extract on cell-free DNA release from bronchial epithelial cells.
Omar Alqarni (Jeddah, Saudi Arabia), Mushabab Alahmari, Abdulrahman Alghamdi, Laura Matthews, Linhua Pang, Rachel Clifford, Amanda Tatler

Phospholipid composition of the respiratory tract lining fluid (RTLF) in subjects with Asthma and COPD
Jeong Lim Kim (Gothenburg, Sweden), Spela Kokelj, Sanna Kjellberg, Per Larsson, Sven-Erik Dahlén, Valentyna Yasinska, Per Wollmer, Andrei Malinovschi, Anna-Carin Olin

Effect of vaping on mucociliary activity in nasal epithelial cells cultures of adolescents
Loretta Müller (Bern, Switzerland), Angelina Messerli, Fabienne Hagmann, Tina Bachmann, Susan De Groof, Philipp Latzin, Julian Jakob, Reto Auer

Refinement of a new method to estimate human bronchial epithelial cells ciliary beat frequency: effect of salmeterol
Stefánico Palea (Labege, France), Sekou Diarra, Lea Domenge, Jan Markus, Alain Kâmgoué
Ciliary movement analysis in primary ciliary dyskinesia with a long deletion in DRC1
Miki Abo (Kanazawa (Ishikawa), Japan), Kenta Yamamura, Noriyuki Ohkura, Johsuke Hara, Seiji Yano, Kazuhiko Takeuchi

Bronchial smooth muscle cells release prostaglandins and 15-LOX metabolites in response to different inflammatory stimuli
Rana Melisa Seren (Stockholm, Sweden), Willem Abma, Johan Kolmert, Jesper Säfholm, Craig E. Wheelock

Airway pH regulatory proteins are present and altered in asthma
Laura Smith (INDIANAPOLIS, United States), Taiya Edwards, Brittny Nilli, Nadzeya Marozkina, Olivia Giddings, Benjamin Gaston, Michael Davis

Alteration of airway pH by asthma-relevant cytokines
Michael Davis (Indianapolis, United States), Taiya Edwards, Brittny Nilli, Laura Smith, Nadzeya Marozkina, Ben Gaston

A platform for biomarkers evaluation, pathophysiology studies, and therapeutic development based on patient-derived cells collected by nasal brushing
Giulia Gorrieri, Floriana Guida, Ilaria Musante, Rosaria Casciaro, Fabiana Ciciriello, Federico Zara, Paolo Scudieri

Modeling mucus plugging during type 2-high severe asthma using human induced pluripotent stem cells (hiPSC).
Engi Ahmed (Montpellier, France), Iris Janssen, Said Assou, Anne Sophie Gamez, Manon Vanheerswynghels, Amanda Goncalves, Aurélie Petit, Isabelle Vachier, Tania Maes, John De Vos, Hamida Hammad, Arnaud Bourdin, Bart Lambrecht

IL-13 drives a mucin phenotype: insights from a human apical out airway organoid model
Christoph Beisswenger (Homburg (Saar), Germany), Michelle Brand, Patrick Kempen, Timo Risch, Mariana Guedes, Robert Bals, Felix Ritzmann, Daniela Yildiz

Session 251
Poster session: Obstructive sleep apnoea and other sleep disorders in different population groups

Disease(s): Sleep and breathing disorders, Airway diseases

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

Chairs: Marta Susana Monteiro Drumond Freitas (Maia, Portugal), Matteo SICILIANO (ROMA, Italy)

Pregnancy and sleep symptoms - where does respiratory disease start?
Jorge Daniel Ambrósio Montês (Lisbon, Portugal), Mónica Graffino, Ana Alfaiaite, Jorge Lima, Sofia Tello Furtado

Gender-specific features of respiratory events in obstructive sleep apnea hypopnea syndrome
Sarra Ben Sassi (ariana, Tunisia), Ines Moussa, Hana Mrassi, Mariem Friha, Asma Allouche, Sarah Trimech, Imen Sahnoun, Leila Douik El Gharbi

The pathophysiology of obstructive sleep apnea syndrome in women: role of low arousal threshold.
Caterina Antonaglia (Trieste (TS), Italy), Gloria Maria Citton, Antonio Fabozzi, Alessia Steffanina, Silvia Giannone, Mattia Lugi Manna, Giulia Prezioso, Francesco Salton, Barbara Ruaoro, Paolo Palange, Marco Confindorini

Sex differences in obstructive sleep apnoea severity, symptoms, and polysomnographic features: The Turkish Sleep Apnoea Database (TURKAPNE) Study
Aylin Piltihi (Istanbul, Turkey), Esen Kiyan, Aykut Cilli, Baran Balcan, Nejat Altitans, Aylin Özsancak Ugurlu, Hikmet Fırat, Özen Basoglu, Yüksel Peker, The Turkapne Study Group

Temporal association of interictal discharges with respiratory events in patients with sleep-disordered breathing and epilepsy
Christian Horvath (Bern, Switzerland), Hristina Drangova, Jakub Stefela, Carolin Schäfer, Frederic Zubler

Comorbid OSA and RBD: the evil or the friend?
Mariana Ribeiro Marçal (Rio Maior, Portugal), Ana Brás, Joaquim Moita

Sleep-related breathing disorders in auto-immune encephalitis,
Maxime Patout (Paris, France), Lina Jeantin, Ana Gales, Dimitri Psimaras, Ines Zaien, Thomas Similowski, Isabelle Arnulf

A negative effect by ATC N-class treatment in OSA patients with concomitant psychiatric disease: an ESADA cohort study.
Francesco Fanfulla (Pavia (PV), Italy), Pasquale Tondo, Sebastien Bailly, Maria Rosaria Bonsignore, Jan Hedner, Jean-Louis Pepin, Ludger Grote

Pre-existing sleep disorders and risk of COVID-19: A meta-analysis
Jiawei Zhou, Xia Li, Ting Zhang, Ziyun Liu, Peng Li, Na Yu, Wei Wang
PA2680  Prevalence of obstructive sleep apnoea in patients with difficult-to-treat asthma
Kristina Ziherl (Ljubljana, Slovenia), Peter Kopač, Irena Šarc

PA2681  Utilizing machine learning-based cluster analysis for sleep phenotypes identification in COPD patients
Pegah Soltani Samani (Tehran, Islamic Republic of Iran), Amir Sharafkhaneh, Nicola A. Hannia, Sara Nowakowski, Ritwick Agrawal, Javad Razjouyan

PA2682  The effect of hospitalization on sleep quality and insomnia in COPD patients
Canan Gunduz, Muhsin Umut Okay, Ahmet Dilaver, Rumeysa Sonmez, Dilem Anıl Toksay, Ayşem Aşkım Özün Guven, Selma Aydogan Eroglu

PA2683  Triple trouble – new insights in the COPD-OSA overlap syndrome
Daniel Hansson (Gothenburg, Sweden), Lowie Vanfleteren, Anders Andersson, Ding Zou, Jan Hedner, Ludger Grote

PA2684  A prospective study analysing the prevalence of sleep disordered breathing in stable patients of congestive heart failure with reduced ejection fraction
Abhinav Bhosle (Vadodara (Gujarat, India), Iram Fatima Sayed, Amita Nene

PA2685  Impact of high-risk of obstructive sleep apnea on health-related quality of life: The Korean National Health and Nutrition Examination Survey 2019–2021
Min-Seok Chang (Wonju, Republic of Korea), Inso Jo, Iseul Yu, Sumin Park, Seok Jeong Lee, Suk Joong Yong, Won-YeonLee, Sang-Ha Kim, Ji-Ho Lee

PA2686  Risk factors for Obstructive Sleep Apnoea (OSA) in Indian patients: Results from Sleep- Apnoea Indian Registry (S-AIR)
Pratibha Dogra (Gurgaon (Haryana), India), Himanshu Garg, Prerana Garg, Nikita Jajodia, Deepak Talwar, Virendra Singh, Nishtha Singh, Bp Singh, Prabhjot Sahai, Samir Sahu, Manoj Goel, Dipit Gothi, Sonia Dalal, Suryakant Tripathi, Deependra Rai, Saurabh Karmakar, Prabhu Desai, Mahavir Modi, Indranil Halder, Paramez Ar, Raja Dhar, Milind Sovani, David Cunnington

PA2687  Does the PSQI correlate with Polysomnography in an Indian population?
Lancelot Pinto (Mumbai, India), Shvarar Desai, Soumik Kalita, Shobha Iyer, Apurva Halbe, Jagmeet Madan, Shobha Udipi, Rama Vaidya, Ashok Vaidya

PA2688  Cross sectional study of the prevalence of Obstructive Sleep Apnea Syndrome (OSAS) and of the awareness regarding OSAS in a population of the geographical regions of Epirus, Western Greece and Central Greece.
Sotirios Zarogiannis (Larisa, Greece), Efthimios Fountas, Petros Kassas, Georgios Vavougios, Chrissi Hatzoglou, Konstantinos Gourgoulianis

PA2689  Sleep Environment in an Tertiary Intensive Care Unit during a Double-Blind Randomized Controlled Trial
Samer Najem (Pontoise, France), Aline Hajj, Sabrina Nasreddine, Marc Raad, Andrea Maalouf, Albert Riachy, Ali Rammal, Rita Khoury, Fabienne Hajj Moussa Lteif, Habib Ibrahim, Jocelyne Abou Jaoude, Roula Bou Serhal, Ghassan Sleelaty, Jamile Douaihy, Tamine Massoud, Moussa Riachy

PA2690  Chronotype Variations in Sleep Apnea Patients: Co-Existing Symptoms & Comorbidities
Nikolas Athanasiou (Athens, Greece), Vassilis Vlahakos, Miltiadis Chrysanthis, Christina Klamanakou, Eleni Giorgi, Spyridoula Andrioti, Maria Georgakopoulou, Emmanouil Vagiakis, Georgia Trakada

PS-9  Session 252  08:00 - 09:30
Poster session: Exploring fundamental pathophysiological aspects of sleep-disordered breathing

Disease(s) : Sleep and breathing disorders; Airway diseases; Interstitial lung diseases; Pulmonary vascular diseases; Respiratory critical Care
Method(s) : Cell and molecular biology; Imaging; Physiology; General respiratory patient care; Epidemiology; Public health
Tag(s) : Translational
Chairs : Ludovico Messineo (Boston, United States), Sébastien Bailieux (Grenoble CEDEX 9, France)

PA2691  Gender differences in the metabolome of symptomatic obstructive sleep apnoea patients
Alan Altraja (Tartu, Estonia), Ott Kiens, Viktoria Ivanova, Egon Taalberg, Ketlin Veeväli, Ragne Tamm, Trin Laurits, Martin Juss, Tuuliki Hion, Roman Pihlakas, Kalle Kilk, Ursel Soomets

PA2692  Multidimensional phenotyping to distinguish among distinct obstructive sleep apnea, chronic obstructive pulmonary disease, and overlap syndrome phenotypes
Ophélie Coiffier (La Tronche, France), Pasquale Tondo, Marie Joyeux-Faure, Renaud Tamisier, Khier Amrani, Jean-Claude Cornu, Robin Terrail, Christian Causse, Sébastien Bailly, Jean-Louis Pépin
Molecular insights into hypoxic burden physiopathology in OSA: a proteomic perspective
Lucia Pinilla (Adelaide, Australia), Krish Dodani, Iván Benítez, Neda Esmaeli, Esther Gracia-Lavedón, Gerard Torres, Olga Minguez, Dolores Martínez, Miguel Angel Martínez-García, Jorge Abad, Maria José Masdeu, Olga Mediano, Carmen Muñoz, Valentín Cabriada, Joaquín Duran-Cantolla, Mercedes Mayos, Ramón Coloma, Josep Maria Montserrat, Mónica De La Peña, Irene Cano-Pumarega, Ferran Barbé, Ali Azarbarzini, Manuel Sánchez-De-La-Torre

Skin Conductance as a Relaxation Capacity Indicator in COVID-19 Survivors with Insomnia

The damage mechanism of intermittent hypoxia in disrupting the circadian rhythm and metabolism of idiopathic pulmonary interstitial fibrosis.
Dan Liu (Tianjin, China), Jing Feng

Novel ex vivo model for studying the neuronal synaptic response in precisely cut brain tissue slices subjected to controlled hypoxic patterns
Alicia Jurado (Barcelona, Spain), Anna Pérez-González, Ramon Farré, Xavier Gasull, Isaac Almendros

Post stroke OSA: the effect of intermittent hypoxia on cerebrovascular recovery.
Bayan EL amine (GRENOBLE, France), Benjamin Lemasson, Florence Fauvelle, Anne Briançon* Marjollet, Claire* Rome

Prognostic value of miRNAs in obstructive sleep apnea and metastatic colorectal cancer patients
piera soccio (Foggia (FG), Italy), Giorgia Moriondo, Pasquale Tondo, Giulia Scioscia, Roberto Sabato, Terence Campanino, Giuseppe Mansueto, Francesco Traversa, Simone Sorangelo, Maria Pia Foschino Barbaro, Donato Lacedonia

INFLUENCE OF OBSTRUCTIVE SLEEP APNEA ON OXIDATIVE STRESS IN PREGNANCY
Laura Cánaves (Palma de Mallorca, Spain), Paloma Gimenez Carrero, Amanda Iglesias, Ainhoa Alvarez Ruiz De Larrinaga, Andrés Sanchez Baron, Mercedes Codina, Mónica De La Peña Bravo, Daniel Morell Garcia, Jose Peña Zarza, Concepcion Piñas Zebrin, Susana Garcia Fernandez, Alberto Alonso Fernandez

The effect of continuous positive airway pressure (CPAP) therapy on serum caspase-3 level in patients with obstructive sleep apnea (OSA)
Pınar Yıldız Gülhan (Kırıkkale, Turkey), Mustafa Kemal Kaypak, Ali Nihat Annakkaya, Fatih Davran, Uğur Yüregiır

Raman analysis of saliva from OSA patients: biophotonic-based point-of-care for disease monitoring and management.
Elvia Giovanna Battaglia (Milano (MI), Italy), Elena Compalati, Luana Forleo, Alice Gualerzi, Paolo Banfi, Valentina Poletti, Marzia Bedoni

Correlation of mean platelet volume (MPV) and red blood cell distribution width (RDW) with obstructive sleep apnea syndrome (OSAS) severity
Kostas Papavassiliou (Athens, Greece), Kyriaki Cholidou, Nektarios Anagnostopoulos, Vassiliki Gogou, Agamennon Bakakos, Zoi Sotropoulou, Stavrina Zanelli, Annita Papasarandou, Christina Anagnostopoulou, Effie Ferdianaki, Andriana Papaoanou, Petros Bakakos

Gender differences between OSA severity regarding pectoralis muscle area and indices
Burcu Arpinar Yigitbas (Istanbul, Turkey), Nilufer Tekin, Sacit Icten, Irem Uzun, Esra Yazar

Do symptoms and comorbidities predict OSA severity in hypertension patients?
Sofia R. Lopes (Viseu, Portugal), Mafalda Van Zeller, Helena Silva, Margarida Fonseca, Rui Ribeiro, Diana Ferrão, Manuel Capelas, Luís Silva, Marta Drummond

Prevalence and characteristics of patients with obstructive sleep apnea (OSA) and Chronic Obstructive Pulmonary Disease (COPD): “Overlap Syndrome”
Michail Fanaridis (Heraclion, Greece), Izolde Bouloukaki, Georgios Statthakis, Nikolaos Tzanakis, Violeta Moniaki, Eleni Mavrouri, Ioanna Tsiliqianni, Sophia Schiza

Sleep abnormalities in patients with overweight/obesity: not only an OSAS issue
Chiara Sanna (Sassari, Italy), Chiara Bertonazzi, Andrea Deledda, Lorenzo Puglia, Monica Puligheddu, Fernanada Velluzzi, Stefania Redolfi

Cancer in the Long-Term Care of Patients with Obstructive Sleep Apnea: a closer look
Inês Ferreira Carvalho (Porto, Portugal), Pedro Magalhães Ferreira, Marta Drummond

Sleep Bruxism: Dual Role in Obstructive Sleep Apnoea Syndrome
EMMANOUIL VERYKAKIS (Athens, Greece), Iliia Roussou, Eirini Kokiou, Stylianos Loukides, Vasileios Parashous, Georgia Kontonasiou, Alkaterini Vlami
### State of the art session: Paediatric

**Aims:** To discuss important topics in paediatric respiratory medicine such as chronic cough in children, how useful preschool lung function is in daily clinics and which method should be used, and how complicated pneumonia in children can be managed and treated; to discuss lung involvement in systemic diseases in children, and how to detect and treat it.

**Disease(s):** Paediatric respiratory diseases, Respiratory infections

**Method(s):** Epidemiology, Imaging, Physiology

**Tag(s):** Clinical

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Medical Technical Assistant, Nurse, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Respiratory therapist

**Chairs:** Refika Hamutcu Ersu (Ottawa, Canada), Erol Gaillard (Leicester, United Kingdom), Sejal Saglani (London, United Kingdom)

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<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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<tr>
<td>08:30</td>
<td>Diagnostic approach to chronic cough in children</td>
<td>Anne Chang (Brisbane (QLD), Australia)</td>
<td>2711</td>
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<tr>
<td>08:45</td>
<td>Preschool lung function: which test is helpful in clinics?</td>
<td>Shannon Simpson (Perth (WA), Australia)</td>
<td>2712</td>
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<td>09:00</td>
<td>Management of complicated pneumonia in children</td>
<td>Eitan Kerem (Jerusalem, Israel)</td>
<td>2713</td>
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<td>09:15</td>
<td>Lung involvement in systemic diseases: diagnosis and management</td>
<td>Sharon Dell (Vancouver, British Columbia, Canada)</td>
<td>2714</td>
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<td>09:30</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
<td>2715</td>
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### Symposium: Implementing new strategies and treatments in asthma and chronic obstructive pulmonary disease

**Aims:** To update European Respiratory Society members on the novel therapies developed in recent years for airway diseases, asthma and chronic obstructive pulmonary disease; to explore the current status and future of innovative and well-established therapies that can be accessed to help patients.

**Disease(s):** Airway diseases

**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, Respiratory physiotherapist, Scientist (basic, translational)

**Chairs:** Emer Kelly (Dublin 4, Ireland), Augusta Beech (Manchester, United Kingdom), Stylianos Loukides (Athens, Greece)

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<th>Time</th>
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<tr>
<td>08:30</td>
<td>Anti-inflammatory reliever in clinical practice in asthma: how to implement in the background of GINA?</td>
<td>Anneke ten Brinke (Leeuwarden, Netherlands)</td>
<td>2716</td>
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<td>08:45</td>
<td>Biological therapy in asthma: how to deal with the many options available</td>
<td>Florence Schleich (Liège, Belgium)</td>
<td>2717</td>
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<td>09:00</td>
<td>Dual phosphodiesterase 3 and 4 inhibitors: the new kind of COPD blocker?</td>
<td>Paola Rogliani (Roma (RM), Italy)</td>
<td>2718</td>
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<td>09:15</td>
<td>Biologics in COPD a recipe for failure or success?</td>
<td>Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)</td>
<td>2719</td>
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**Session 255**

Hot topics: Chronic respiratory disease burden in Europe: towards health equity in 2050

**World Health Organization and European Respiratory Society recent outputs**

**Aims:** To summarise recent outputs of the European Respiratory Society (ERS) and World Health Organization (WHO)-Europe initiative on chronic respiratory disease, latest results of the Global Burden of Disease (GBD) 2021, International Respiratory Coalition, Global Alliance on Chronic Diseases (GACD), Federation of International Respiratory Societies (FIRS) and other international initiatives on chronic respiratory diseases; to explain new developments for these and other respiratory conditions; to expand the network of respiratory collaborators. The forthcoming Joint Report of the WHO Regional Office for Europe and ERS on Chronic Respiratory Disease in the WHO European Region: Towards Health Equity in 2050, together with GBD 2021, the International Respiratory Coalition and other international initiatives, focuses on population-based chronic respiratory disease findings, research cooperation and future developments. A brief update by all participating sides will be given at this event.

**Disease(s):** Airway diseases, Interstitial lung diseases, Paediatric respiratory diseases

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

**Tag(s):** Clinical

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Paediatrician, Patient, Journalist

**Chairs:** Ane Johannessen (Bergen, Norway), Anita Simonds (London, United Kingdom), Joan B Soriano (Madrid, Spain)

- **08:30** **Introduction**
  - Hans Henri P. Kluge (Copenhagen, Denmark)

- **08:35** The WHO Europe focus on NCDs in general and Chronic Respiratory Disease in particular
  - Galea Gauden (Copenhagen, Denmark)

- **08:50** Diversity and inequities in respiratory health in Europe and beyond
  - Guy F. Joos (Ghent, Belgium)

- **09:05** The GBD 2021 of Respiratory Disease: Methods and results on asthma, COPD, and else
  - Speaker to be confirmed

- **09:20** Digital health, and other innovative solutions in NCDs to be applied in CRDs
  - Jessilyn Dunn (Durham, United States)

- **09:35** Discussion and Q&A
  - All Speakers

**Session 256**

Symposium: Right heart failure in pulmonary hypertension

Cournand lecture session. Imaging and molecular mechanisms

**Aims:** To provide an update on right heart failure research in the setting of pulmonary hypertension.

**Disease(s):** Pulmonary vascular diseases

**Method(s):** Cell and molecular biology, Imaging

**Tag(s):** Translational

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Patient, Scientist (basic, translational)

**Chairs:** Anton Vonk Noordegraaf (Amsterdam, Netherlands), Emma Grainger (London, United Kingdom)

- **08:30** Artificial intelligence tools to standardize right heart imaging
  - Andy Swift (Sheffield (South Yorkshire), United Kingdom)

- **08:45** Right ventricular sequencing: what can we learn from failure?
  - Soni Savai Pullamsetti (Giessen, Germany)

- **09:00** BMP/TGFbeta signaling and right heart failure
  - Frances S. de Man (Amstelveen, Netherlands)

- **09:15** Why the right heart should be a concern for the pulmonologist
  - Khodr Tello (Lich, Germany)
Session 257 08:30 - 10:00

Year in review: Scientific year in review

Aims: To provide an overview of basic and translational scientific highlights and major achievements in the respiratory field within the past year, focusing on metabolic changes and abnormalities in interactions between immune and structural cells during lung aberrant tissue damage and repair responses in lung ageing and disease; to provide an overview of various key publications that are expected to have a major impact in the respiratory field and with high clinical relevance based on promising results in preclinical models; to cover a variety of pulmonary diseases; to discuss the potential for clinical translation of novel therapeutic strategies.

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

Method(s): Cell and molecular biology, Imaging

Tag(s): Translational

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

Chairs: H. Irene Heijink (Groningen, Netherlands), Salman Siddiqui (London, United Kingdom)

08:30
Unveiling the role of resident immune cells in respiratory disease
Martijn C. Nawijn (Groningen, Netherlands)

08:45
Metabolic regulation of immune cells in COPD
Theodore Kapellos (Munich, Germany)

09:00
The fibroblast-lymphocyte-stem cell axis and regulation of inflammation and regeneration
Nancy Allen (San Francisco, United States)

09:15
Novel insights on immune system aberrations in pulmonary fibrosis
Naftali Kaminski (New Haven, United States)

09:30
Discussion and Q&A
All Speakers

Session 258 08:30 - 10:00

Symposium: Evolution of mesothelioma therapy informed by modern phenotyping and stratification

Aims: To summarise progress made using tissue and imaging features, including use of artificial intelligence; to provide a staging update, including the value of ancillary tests, such as positron emission tomography-computed tomography and magnetic resonance imaging, and a summary of the 9th edition of the TNM algorithm, which will be published prior to congress; to cover radical therapeutic approaches, including a detailed review of the recent MARS2 surgical trial and adjuvant strategies; to provide a state-of-the-art summary of systemic therapeutic options, including 5-year survival data for combination immunotherapy and outcomes of biomarker-directed therapies emerging from the MIST (Mesothelioma Stratified Therapy) platform, which will both be available before the congress.

Disease(s): Thoracic oncology

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

Tag(s): Clinical, Congress theme: Humans and Machines: getting the balance right

Target audience: Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Pathologist, Patient, Physician in Pulmonary Training, Radiologist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon

Chairs: Torsten Gerriet Blum (Berlin, Germany), Andriani Charpidou (Athens, Greece), Wouter H. van Geffen (Leeuwarden, Netherlands)

08:30
Molecular and histo-morphological insights informed by deep phenotyping and artificial intelligence in mesothelioma
Speaker to be confirmed

08:45
Anatomical staging and immunologic phenotypes in mesothelioma: implications for trial design and treatment planning
Kevin Blyth (Glasgow (Glasgow), United Kingdom)

09:00
The role of therapeutic combinations involving surgery post-MARS2
Didier Schneiter (Zürich, Switzerland)

09:15
The changing systemic therapeutic landscape in mesothelioma: stratified therapy and long-term outcomes from immunotherapy
Dean Anthony Fennell (Leicester (Leicestershire), United Kingdom)
Discussion and Q&A
All Speakers

09:30

News from the studio: News from the studio 2
Aims: To introduce and summarise the congress programme for a day.
Chairs: Chair to be confirmed

Guidelines session: Diagnosis and management of pulmonary alveolar proteinosis
European Respiratory Society clinical practice guidelines
Aims: To discuss pulmonary alveolar proteinosis; to present the recently competed European Respiratory Society guidelines for the diagnosis and management of pulmonary alveolar proteinosis (PAP).
Disease(s): Interstitial lung diseases, Paediatric respiratory diseases, Respiratory critical care
Method(s): Cell and molecular biology, Endoscopy and interventional pulmonology, General respiratory patient care
Tag(s): Clinical
Target audience: Adult pulmonologist/clinician, Clinical researcher, Respiratory critical care physician, Paediatrician, Pathologist, Physician in Pulmonary Training, Radiologist, Thoracic surgeon, Respiratory therapist
Chairs: Cormac McCarthy (Dublin 4, Ireland), Sara Tomassetti (Florence, Italy), Ádám Domonkos Tárnoki (Budapest, Hungary)

Patient's perspective
Speaker to be confirmed

09:15

Pulmonary Alveolar Proteinosis: Diagnostic Guidelines
Francesco Bonella (Essen, Germany)

09:20

Pulmonary Alveolar Proteinosis: Management Guidelines
Elisabeth Bendstrup (Aarhus N, Denmark)

09:35

Discussion and Q&A
All Speakers

09:50

Deep Dive: Improving adherence and changing behaviour
Aims: To explore how to support healthcare behaviour change and adherence
Tag(s): Clinical
Chairs: Chair to be confirmed

Understanding health behaviour change
Speaker to be confirmed

09:20

How can clinicians help their patients to adhere to medication?
Przemyslaw Kardas (Lodz, Poland)

09:30

Panel discussion and Q&A
Job F.M. van Boven (Groningen, Netherlands)

09:40

Oral presentation: Transitioning from basic science to translational research in sleep-disordered breathing
Disease(s): Sleep and breathing disorders, Airway diseases
Method(s): Physiology, General respiratory patient care, Cell and molecular biology, Public health
Tag(s): Translational
Chairs: Carolina Lombardi (Milano (MI), Italy), Adriano D. S. Targa (Lleida, Spain)

Late Breaking Abstract - Prevalence and incident subclinical atherosclerosis in obstructive sleep apnea. The EPIOSA study
Jose Maria Marin Trigo (Zaragoza, Spain), Ana V, Gil, Pablo Cubero, Raquel Langarita, Teresa Martin, Aaron Garrido, Marta Marin-Oto, David Sanz-Rubio

OA2750
OA2751

Revealing therapeutically actionable targets in Obstructive Sleep Apnea through machine learning-based miRNome analysis

Thalía Belmonte (Lleida, Spain), Olga Minguez, María Aguilià, Iván D. Benítez, Lucía Pinilla, Marta Molinero, Anna Moncusi-Moix, Gerard Torres, Olga Mediano, Juan F. Masa, María J. Masdeu, Alberto Gómez-Carballeda, Antonio Salas, Federico Martinón-Torres, Ferrán Barbé, Manuel Sánchez De La Torre, David De Gonzalo-Calvo

OA2752

Novel pulse oximetry-derived measures of obstructive sleep apnoea severity and cardiovascular function in heart failure with preserved ejection fraction patients.

Glenn Stewart (Sydney, Australia), Benjamin Tong, Philip De Chazal, Sean Lal, John O'Sullivan, Peter Cistulli

OA2753

EFFECT OF OBSTRUCTIVE SLEEP APNEA DURING PREGNANCY ON FETAL DEVELOPMENT: GENE EXPRESSION PROFILE IN CORD BLOOD

Laura Cánaves (Palma de Mallorca, Spain), Aarne Fleischer, Josep Muncunill, Paloma Gimenez, Amanda Iglesias Coma, Ainhoa Alvarez Ruiz De Larriga, Andrés Sanchez Baron, Mercedes Codina Marcet, Monica De La Peña Bravo, Daniel Morell Garcia, José Peña Zarza, Concepción Piñas Zebrán, Susana García Fernández, Alberto Alonso Fernández

OA2754

OSA induces an altered proteomic profile linked to cardiovascular and organ damage in nocturnal hypertension

Krish Dodani (Lleida, Spain), Lucía Pinilla, Iván D Benítez, Esther Gracia-Lavedan, Gerard Torres, Olga Minguez, María Aguilià, Adriano Targa, Mireia Dalmases, Olga Mediano, Irene Cano-Pumarega, Juan F Masa, María J Masdeu, Ferrán Barbe, Manuel Sánchez-De-La-Torre

OA2755

Impact of CPAP on miR-210-3p, miR485-5p and the LncRNAs MALAT1/BACE1-AS in OSA

Francesco Fanfulla (Pavia (PV), Italy), Veronica Barbi, Michela Gottardi Zamperla, Tiziana Bachetti, Elena Robbi, Irene Risi, Maria Teresa La Rovere, Carlo Gaetano

OA2756

PFKFB3 driven glycolysis mediates inflammation and Leukocyte Extravasation in CIH induced atherosclerosis

Shiqi Li (shanghai, China), Qingyun Li

OA2757

PSGL-1/SIGLEC-5 and CD39/CD73 axes are dysregulated in obstructive sleep apnea


OA2758

Auto-CPAP performances to Real-life Leak Patterns: A High-fidelity Modeling Approach

Marius Lebret (ROUEN, France), Mathéo Richard, Emeline Fresnel, Jean-Pierre Mallet, Raphael Gilson, Adrien Kerfourn, Maxime Patout, Dany Jaffuel

OA2759

Adaptive servo-ventilation (ASV) in patients with central or complex sleep apnoea and associated cardiovascular comorbidities: the READ-ASV registry

Michael Arzt (Regensburg, Germany), Oliver Munt, Raphael Heinzer, Jean-Louis Pèpin, Adam Benjafield, Holger Woehrle

OA2760

Discussion and Q&A

All Speakers

A3 Session 264 09:30 - 10:45

Oral presentation: Respiratory care in the digital age: innovative applications and their evidence

Disease(s) : Airway diseases Respiratory critical care

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

Tag(s) : Congress theme: Humans and Machines: getting the balance right Translational

Chairs : Niels H. Chavannes (Leiden, Netherlands), Io Hui (Edinburgh (Edinburgh), United Kingdom)

OA2761

Late Breaking Abstract - Assessment of an electronic system on the impact on inhaler skills and technique – ASSIST study

Clare Murray (Manchester, United Kingdom), Naomi Brooke, Mark Sanders

OA2762

Clinical scenarios in paediatric pulmonology: Can large language models fare better than trainee doctors?

Markith Narayanan (Oadby, Leicester, United Kingdom), Jeremie Juan, Kayla Duverger, David Armstrong, Florian Galhleitner, Kenneth A Macleod, Catherine Medougall, Stefan A Unger, Don S Urquhart

OA2763

Application of ChatGPT for clinical decision-making in patients with community-acquired pneumonia.

Diana Livakovska (Vinnytsia, Ukraine), Vitalii Poberezhtsi, Nataliai Slepchenko, Serhii Livakovskiy

OA2764

Using language models to integrate clinical decision support and note taking: a qualitative study

Dimitris Megaritis (Newcastle upon Tyne, United Kingdom), Joren Buekers, Laura Delgado-Ortiz, Tecla Bonci, Emily Hume, Christopher Buckley, Lisa Alcock, Encarnia Mico Amigo, Philip Brown, Silvia Del Din, Carlos Echevarria, Walter Maetzler, Claudia Mazzà, Lynn Rochester, Judith Garcia-Aymerich, Ioannis Vogiatzis
| OA2766 | Participant experience of Scottish Ballet’s online dance based long COVID support programme: A mixed methods study  
Keir E. J. Philip (London, United Kingdom), Alexandra Burton, Adam Lewis, Sara C Buttery, Parris J Williams, Michael I Polkey, Daisy Fancourt, Nicholas Hopkinson |
| OA2767 | Analysis of Instagram publications on bronchial asthma and their compliance with GINA  
Mariia Tsyben (Vinnytsya, Ukraine), Mariia Matviychuk, Sofiia Matviychuk, Vitalii Poberezhets |
| OA2768 | Retrospective study on early prediction of major adverse events in general ward with AI algorithm  
Ki-Byung Lee (Seoul, Republic of Korea), Yong Jun Choi, Sangchul Hahn, Ye Chan Mun, Yeeun Jeong |
| OA2769 | Uptake and effectiveness of a Virtual Model of Antenatal Asthma Care (VMAC) compared to a face-to-face model of care: a randomised controlled tele-trial  
Dennis Thomas (New Lambton Heights, Australia), Vanessa Mcdonald, Eleanor Majellano, Kelly Steel, Peter Gibson |
| OA2770 | Co-developing and operationalising machine learning models for COPD care in a clinical setting: a workflow framework  
Andrew Cushing (Glasgow, United Kingdom), Shane Burns, Anna Taylor, David J Lowe, Chris Carlin |
| OA2771 | Discussion and Q&A  
All Speakers |

**Lehar 3**  
**Session 265**  
**MONDAY 09 SEPTEMBER, 2024**  
**09:30 - 10:45**  
**Oral presentation: Airway diseases therapeutics: novel research studies**  
**Disease(s):** Airway diseases  
**Method(s):** Cell and molecular biology, General respiratory patient care, Physiology, Pulmonary function testing, Imaging, Epidemiology  
**Chairs:** Alexander Mathioudakis (Manchester, United Kingdom), Manali Mukherjee (Hamilton (ON), Canada)

| OA2772 | **Air trapping measured at HRCT predicts benralizumab response better than blood eosinophil count in severe asthma**  
Arnaud Bourdin (Montpellier Cedex 5, France), Marie Felicia Beclin, Pascal Chanez, Isabelle Vachier, Laurie Pahus, Erika Nogue, Joana Pissarra, Sebastien Bonmart, Nicolas Molinari |
| OA2773 | **Time to first moderate or severe COPD exacerbation with tezepelumab (COURSE)**  
Dave Singh (Manchester, United Kingdom), Christopher E Brightling, Klaus F Rabe, Meilan Han, Mohit Bhutani, Jean Bourbeau, Stephanie A Christenson, Mark Dransfield, Parameswaran Nair, Ales Kotalik, Åsa Hellqvist, Gun Almqvist, Navreet S Sindhwani, Monika Golabek, Nestor A Molino, Sandhia S Ponnamari |
| OA2774 | **Late Breaking Abstract - Efficacy of high- and low-dose rilzabrutinib from a phase 2 study**  
Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Tanya M. Lidlaw, William Busse, Jorge Maspero, Tian Liu, Jessica Gereige, Leda Mament, Renata Martincova |
| OA2776 | **KN-002 reduces fractional exhaled nitric oxide in moderate to severe asthma**  
Dave Singh (Manchester, United Kingdom), Christopher O’Brien, Gary Burgess, Julie Young, Frazer Morgan |
| OA2775 | **Anti-inflammatory effects of PDE3/4 inhibitor ensifentrine in peripheral blood mononuclear cells from COPD patients**  
Simon Lea (Manchester (Greater Manchester), United Kingdom), Jian Li, Kieran Littolff, Kajaluckcika Vijayacumaran, Dave Singh |
| OA2777 | **The effects of inhaled corticosteroids on healthy airways**  
Timothy Hinks (Oxford, United Kingdom), Emanuele Marchi, Matthew Richardson, Latifa Chachi, Fiona Symon, Poojitha Rajasekar, Rachel Clifford, Beverley Hargadon, Cary Austin, Salman Siddiqui, Jordan Mar, Joseph Arron, David Choy, Peter Bradding |
| OA2778 | **Inhaled Corticosteroid Treatment Reduces Airway Adaptive Immune Cells in Asthma**  
Daisy Bornesund (Lund, Sweden), Lise Lotte Eriksen, Asger Sverrild, Celeste Porsbjerg, Morten Hvistendahl, Jonas Erjefalt |
| OA2779 | **Impact of early transient increase in eosinophils in patients with moderate-to-severe asthma on the long-term efficacy of dupilumab in TRAVERSE**  
Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Njira L. Lugogo, Mario Castro, Alberto Papi, Arnaud Bourdin, Michael E. Wechsler, Andréanne Côté, Changming Xia, Mena Soliman, Nami Pandit-Abid, Juby A. Jacob-Nara, Harry Sacks |
Ensifentrine improved lung function and reduced moderate/severe exacerbation rate and risk in patients with COPD regardless of chronic bronchitis history
Jadwiga Wedzicha (London, United Kingdom), Alejandro Diaz, Tara Rheault, Kathleen Rickard, Amy Dixon, Daniel Reyner, Victor Kim

Improved lung function and asthma control observed with rademikibart in patients with moderate-to-severe asthma
Edward M. Kerwin (Medford, United States), Jiawang Guo, Radha Adivikolamun, Malinda Longphre, Junying Wang, Jili Yun, Wuban Pan, Zheng Wei, Raul Collazo

Discussion and Q&A
All Speakers

**OA2781**
**Improved lung function and asthma control observed with rademikibart in patients with moderate-to-severe asthma**
Edward M. Kerwin (Medford, United States), Jiawang Guo, Radha Adivikolamun, Malinda Longphre, Junying Wang, Jili Yun, Wuban Pan, Zheng Wei, Raul Collazo

**OA2783**
**Late Breaking Abstract - Exciting phase 1 data on RESP-X, a novel monoclonal antibody targeting a key virulence mechanism of Pseudomonas aeruginosa, with potential as a treatment to reduce exacerbations in non-CF bronchiectasis**
Colm Leonard (Sale (Cheshire), United Kingdom), Victoria Savage, Nicola Ooi, Juergen Dobmeyer, Derek Lindsay, Lauren Walker, Richard Fitzgerald

**OA2784**
**Airway eosinophilic inflammation in bronchiectasis: data from the EMBARC-BRIDGE study.**
Jennifer Pollock (Dundee, United Kingdom), Jeffrey T. J. Huang, Elena Kuzmanova, Morven Shuttleworth, Merete Long, Eva Rodriguez-Suarez, Christopher Mccrae, Amelia Shoemark, James D. Chalmers

**OA2785**
**Evaluation of rapid multiplex PCR for investigation of lung microbiology in bronchiectasis – preliminary data from the BRILLIANT study**
Lucy Bidgodd (Dundee, United Kingdom), Hollian Richardson, Daniela Alferes De Lima Headley, Chandani Hennayake, Thomas Pembridge, Emma Johnson, Holly Lind, Morven Shuttleworth, Kateryna Viligorska, Erin Cant, Megan Crichton, Helen Liddicoat, David Connell, Amelia Shoemark, Eve McIntosh, Kris Ostridge, Adam Platt, Maria Belvisi, Merete Long, Alison J Dicker, James Chalmers

**OA2787**
**Unveiling Cystic fibrosis in Non-CF bronchiectasis patients: Insights from the European Multicentre Bronchiectasis Audit and Research Collaboration(EMBARC) Registry**
Sivagurunathan Sutharsan (Wuppertal, Germany), James D. Chalmers, Megan L Crichton, Eva Polverino, Anthony De So poses, Montserrat Vendrell, Pierre Régis Burgel, Charles S Haworth, Michael R Loebinger, Kateryna Viligorska, Erin Cant, Megan Crichton, Hollian Richardson, Daniela Alferes De Lima Headley, Chandani Hennayake, Thomas Pembridge, Emma Johnson, Holly Lind, Morven Shuttleworth, Kateryna Viligorska, Erin Cant, Megan Crichton, Helen Liddicoat, David Connell, Amelia Shoemark, Eve McIntosh, Kris Ostridge, Adam Platt, Maria Belvisi, Merete Long, Alison J Dicker, James Chalmers

**OA2788**
**The role of microbiota in varying response to inhaled antibiotics in bronchiectasis patients with chronic Pseudomonas aeruginosa infection: a post-hoc analysis of ORBIT3 and ORBIT4**
Jamie Stobo (Dundee, United Kingdom), Rebecca Hull, Hollian Richardson, Pieter Goeminne, Charles Haworth, Merete Long, James Chalmers

**OA2789**
**The international registry for primary ciliary dyskinesia reveals regional variation of genotypes and significant genotype-phenotype correlations**
Microbial virulence in bronchiectasis: Insights from the CAMEB 2 cohort
Fransiskus Xaverius Ivan (Singapore, Singapore), Micheal Mac Aogain, Tavleen Kaur Jaggi, Amelia Shoemark, Mau Ern Poh, Mariko Siyue Koh, John Arputhan Abisheganaden, Francesco Blasi, Stefano Aliberti, James D Chalmers, Sanjay H Chottirmall

Sputum proteomics uncovers the heterogeneity of Pseudomonas aeruginosa infections in bronchiectasis
Rebecca C Hull (Dundee, United Kingdom), Jamie Stobo, Hani Abo Leyah, Hollian Richardson, Daniela Alferes De Lima Headley, Merete B Long, Chandani Hennayake, Amy Gilmour, Emma Johnson, Michael Tunney, Pieter C Goeminne, Jeffrey Huang, Charles S Haworth, Alison J Dicker, James D Chalmers

Autologous transplantation of P63+ lung progenitor cells in patients with bronchiectasis: a randomized, single-blind, controlled trial
Wei Zuo (Shanghai, China), Ting Zhang, Weipan Zhang, Yu Zhao

Discussion and Q&A
All Speakers

Strauss 2 Session 267 09:30 - 10:45
Oral presentation: Cutting-edge concepts in interventional pulmonology: the future is here!
Disease(s): Airway diseases, Thoracic oncology
Method(s): Endoscopy and interventional pulmonology, Pulmonary rehabilitation
Tag(s): Congress theme: Humans and Machines: getting the balance right, Clinical
Chairs: Konstantina Kontogianni (Heidelberg, Germany), Stefano Gasparini (Ancona (AN), Italy)

Late Breaking Abstract - CBCT-guided transbronchial cryobiopsy vs forceps biopsy for the diagnosis of ground glass opacity-predominant pulmonary lesions: a randomized control trial
Jayuan Sun (Shanghai, China), Junxiang Chen, Jisong Zhang, Quncheng Zhang, Yishi Li, Lin Ye, Felix Herth

Diagnostic Yield of Shape-Sensing Robotic-Assisted Bronchoscopy and Mobile Cone-Beam Computed Tomography for Central Pulmonary Nodules
Rodrigo Funes-Ferrada (Jacksonville, United States), Alejandra Yu Lee-Mateus, Anoop Koratala, Nikitha C. Chandra, Tapendra Koirala, David Abia-Trujillo, Neal M. Patel, Kelly S. Robertson, Ryan M. Chadha, Sebastian Fernandez-Bussy

Diagnostic Yield of Shape-Sensing Robotic-Assisted Bronchoscopy for Peripheral Pleural-Based and Fissure-Based Pulmonary Nodules
Alejandra Yu Lee-Mateus (Jacksonville, United States), Rodrigo Funes-Ferrada, Alanna Barrios-Ruiz, Ana Garza-Salas, Sebastian Fernandez-Bussy, Neal M. Patel, Britney N. Hazelett, Ryan M. Chadha, David Abia-Trujillo

Metered cryospray for the treatment of patients with chronic obstructive pulmonary disease with chronic bronchitis - Mechanism of action. A Multicentre Randomised Controlled Clinical Trial
Christopher M Orton (London, United Kingdom), James Tonkin, Ley T Chan, Anand Tana, Silviiu T Marc, Francesca Conway, Alexandra N Baikov, Rebecca Wawman, Mark Eastwood, Bavintha Vijayakumar, John Thornton, Jorine E Hartman, Laura Avanzi, Karin Klooster, Jan Lukas Robertus, Dirk-Jan Slebos, Pankaj Bhavsar, Pallav L Shah

First European Experience of Shape-Sensing Robotic-assisted bronchoscopy: Learning Curve Analysis
Judith Brock (Heidelberg, Germany), Susanne Dittrich, Konstantina Kontogianni, Claus-Peter Heussel, Laura Klotz, Hauke Winter, Mavi Schellenberg, Felix Herth

Lobar Volume Reduction of ≥50% with Zephyr Valves Correlates with Significant Reduction in Longer-term Rate of Severe COPD Exacerbations
Mark Dransfield (Birmingham, United States), Dirk-Jan Slebos, Frank C Sciurba, Pallav L Shah, Narinder Shargill, Gerard J Criner

Cryobiopsy under simultaneous confocal laser endomicroscopy guidance for peripheral pulmonary lesions
Daniela Gömpelmann (Vienna, Austria), Anastasia Papaporfyriou, Christina Bal, Christopher Milacek, Marco Idzko

Zephyr Valve benefits previously ineligible patients after blocking of collateral channels with AeriSeal: CONVERT Trial

Impact of endobronchial valve treatment for COPD with or without pulmonary rehabilitation on symptoms of fatigue, anxiety and depression - the SoLVE Study
Rein Posthumma (Maastricht, Netherlands), Marieke, C Van Der Molen, Anouk, W Vaes, Jorine, E Hartman, Martijn, A Spruit, Dirk-Jan Slebos, Lowie, E.G.W. Vanfleteren
Shape-sensing Robotic-Assisted Bronchoscopy with cone beam CT for the investigation of pulmonary nodules: interim results of the first multicentre European trial

OA2803

Ley Taing Chan (London, United Kingdom), Christopher M Orton, Kire Temov, Anand Tana, Iecia Baboolal, Laura Avanzi, Al-Rehan Dhanji, Ashish Karir, Elif S Aqoglu, Justin L Garner, Aisha Kalyal, Maria Lapuente, Ines Meireles, Jennifer Moore, Eleanor Scott, Patricia Pereira, Jessica Thomas, Foteini Ttofia, Kelvin Lau, Pallav L Shah

Discussion and Q&A

OA2804

All Speakers
Aims: To address the recent concepts of response and remission in airway diseases, asthma and chronic obstructive pulmonary disease (COPD); to explain how to evaluate if a patient has a response to therapy; to explain the concept of remission in asthma and COPD and how it will be possible for patients in the near future.

Disease(s): Airway diseases
Method(s): Epidemiology General respiratory patient care Public health
Tag(s): Clinical
Target audience: Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Patient, Physician in Pulmonary Training, Scientist (basic, translational)

Chairs: Emer Kelly (Dublin 4, Ireland), Augusta Beech (Manchester, United Kingdom), Stylianos Loukides (Athens, Greece)

10:15 Remission in asthma: is it achievable?
Celeste Michala Porsbjerg (Copenhagen, Denmark)

10:30 Can we make sense of responders and non-responders in COPD?
Marc Miravitlles (Barcelona, Spain)

10:45 Remission in COPD is it feasible?
Dave Singh (Manchester, United Kingdom)

11:00 Defining responders and non-responders to biological therapy in patients with severe asthma: lost in translation?
Arnaud Bourdin (Montpellier Cedex 5, France)

11:15 Discussion and Q&A
All Speakers

C1 Session 272 10:15 - 11:45
Hot topics: Overcoming the challenges of increasing urbanisation for respiratory health

Aims: To identify how future city life around the world may have the potential to improve respiratory health; to focus on beneficial, rather than adverse, outcomes, and how we can put our knowledge of risk factors to use and change harms to benefits for an improved respiratory future; to describe such potential in lifestyle factors and environmental exposures, from pre-puberty exposure windows for opportunities to indoor and outdoor environmental exposures, in a global context.

Disease(s): Airway diseases Paediatric respiratory diseases
Method(s): Epidemiology General respiratory patient care Public health
Tag(s): Basic science
Target audience: Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Paediatrician, Scientist (basic, translational), Journalist

Chairs: Ane Johannessen (Bergen, Norway), Anita Simonds (London, United Kingdom), Joan B Soriano (Madrid, Spain)

10:15 Susceptibility in urban male adolescence - novel opportunities to improve health
Vivi Schlünssen (Århus C, Denmark)

10:30 Greenness and innovative strategies for the advancement of urban respiratory health
Alessandro Marcon (Verona (VR), Italy)

10:45 Consequences of climatic conditions on urban indoor microbiome and resistome exposure
Randi Bertelsen (Bergen, Norway)

11:00 From respiratory challenges to solutions in low and middle income countries
Om Prakash Kurmi (Coventry, United Kingdom)

11:15 Discussion and Q&A
All Speakers

C6 Session 273 10:15 - 11:45
Journal session: Respiratory syncytial virus-related acute respiratory infection
The Lancet and The Lancet Respiratory Medicine on understanding and addressing a substantial global health problem

Aims: To provide an overview of research advances pertaining to respiratory syncytial virus (RSV)-related acute respiratory infection for specialist and non-specialist delegates; to provide insights into mechanisms of disease, review progress in the management of acute disease and the development and implementation of novel preventive strategies, consider the long-term impact of RSV infection, provide an overview of the global burden of RSV, and outline challenges and priorities for research, clinical practice and health policy.
## Disease(s): Paediatric respiratory diseases, Respiratory critical care, Respiratory infections

## Method(s): Cell and molecular biology, Epidemiology, Respiratory intensive care

## Tag(s): Clinical

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

## Chairs: Emma Grainger (London, United Kingdom), Anton Vonk Noordegraaf (Amsterdam, Netherlands)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>10:15</td>
<td>RSV in infants and children: addressing the burden of severe acute respiratory infection</td>
<td>Speaker to be confirmed</td>
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<tr>
<td>10:30</td>
<td>Exploring the link between RSV infection in early life and long-term respiratory health</td>
<td>Heather Joy Zar (Johannesburg, South Africa)</td>
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<tr>
<td>10:45</td>
<td>RSV-related disease in adult populations: developing strategies for management and prevention</td>
<td>Joanne Wildenbeest (Utrecht, Netherlands)</td>
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<tr>
<td>11:00</td>
<td>RSV vaccination and immunoprophylaxis: realising the potential for protection of young children</td>
<td>Ruth Karron (Baltimore, United States)</td>
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<tr>
<td>11:15</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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## Symposium: No cell is an island: clinical implications of immunological crosstalk in the lung

### Aims:
- To introduce the stromal-epithelial-lymphocyte-epithelial stem cell network in the lung and implications for airway disease.
- To discuss how lung stromal/epithelial cells nurture and regulate lymphocyte populations in the lung.
- To discuss how the epithelial-immune cell circuit is important in airway disease.
- To discuss how the stromal-immune cell circuit is important in airway disease.

## Disease(s): Airway diseases, Respiratory infections

## Method(s): Cell and molecular biology

## Tag(s): Translational

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

## Chairs: H. Irene Heijink (Groningen, Netherlands), Salman Siddiqui (London, United Kingdom)

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>10:15</td>
<td>Enhancing communication between bronchial epithelial cells and the T2 response as a therapeutic approach for airway disease</td>
<td>Lena Uller (Lund, Sweden)</td>
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<tr>
<td>10:30</td>
<td>Neutrophils restrain allergic airway inflammation by limiting ILC2 function and monocyte-dendritic cell interactions</td>
<td>Robert Snelgrove (London, United Kingdom)</td>
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<tr>
<td>10:45</td>
<td>Unveiling the impact of macrophage-alveolar epithelial cell paracrine crosstalk in viral infection</td>
<td>Susanne Herold (Gießen, Germany)</td>
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<tr>
<td>11:00</td>
<td>The role of lymphatic endothelial cells in modulating autoimmunity in emphysema</td>
<td>Hasina Outtz Reed (New York, United States)</td>
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<tr>
<td>11:15</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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## Symposium: Multiple pulmonary nodules: the challenge of diagnosis and management

### Aims:
- To discuss multiple lung nodules.
- To emphasise the challenges that respiratory physicians, lung cancer specialists, radiologists, thoracic surgeons, medical and clinical oncologists and primary care personnel face regarding their diagnosis and treatment options.
- To identify the gaps and grey areas in the current guidelines.
- To provide up-to-date diagnostic and management algorithms for real-life clinical situations.

## Aims:
- To discuss multiple lung nodules.
- To emphasise the challenges that respiratory physicians, lung cancer specialists, radiologists, thoracic surgeons, medical and clinical oncologists and primary care personnel face regarding their diagnosis and treatment options.
- To identify the gaps and grey areas in the current guidelines.
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- To identify the gaps and grey areas in the current guidelines.
- To provide up-to-date diagnostic and management algorithms for real-life clinical situations.
### Disease(s):
- Thoracic oncology

### Method(s):
- Endoscopy and interventional pulmonology
- General respiratory patient care
- Surgery

### Tag(s):
- Clinical
- Translational
- Congress theme: Humans and Machines: getting the balance right

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

### Chairs:
- Torsten Gerriet Blum (Berlin, Germany)
- Andriani Charpidou (Athens, Greece)
- Wouter H. van Geffen (Leeuwarden, Netherlands)

### Programme:

#### 10:15 - 11:15

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Details</th>
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<tbody>
<tr>
<td>10:15</td>
<td>Patient's perspective</td>
<td>Speaker to be confirmed</td>
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<tr>
<td>10:20</td>
<td>Multiple subsolid and solid lung nodules: radiological determinants for identifying targets for invasive procedures or surveillance</td>
<td>Walter De Wever (Leuven, Belgium)</td>
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<tr>
<td>10:35</td>
<td>Multiple lung nodules management: artificial intelligence determinants for identifying targets for invasive procedures or surveillance</td>
<td>Speaker to be confirmed</td>
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<tr>
<td>10:50</td>
<td>Multiple lung nodule management algorithms in real life: grey zones as an opportunity to advance early lung cancer detection or overdiagnosis?</td>
<td>Martina Koziar Vasakova (Praha 10, Czech Republic)</td>
</tr>
<tr>
<td>11:05</td>
<td>Multiple lung nodules: the surgeon's cut</td>
<td>Marco Nardini (Leeds, United Kingdom)</td>
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<tr>
<td>11:20</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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#### Industry Skills Lab Workshop

### Session 278

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<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker/Details</th>
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<tbody>
<tr>
<td>10:30</td>
<td>Race-specific vs race neutral spirometry equations</td>
<td>Anh Tuan Dinh-Xuan (Paris, France)</td>
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<tr>
<td>10:45</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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### Session 280

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<th>Time</th>
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<th>Speaker/Details</th>
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<tr>
<td>10:40</td>
<td>Assessing breathlessness</td>
<td>Hayley Lewthwaite (Merewether, Australia)</td>
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<td>10:40</td>
<td>Breathing pattern and dynamic hyperinflation interpretation</td>
<td>Michele Schaeffer (Vancouver, Canada)</td>
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</tbody>
</table>
Stolz 2  
**Session 281 10:40 - 13:00**

**Skills workshop: SW11 Practicalities of spirometry & whole-body plethysmography - €**

Additional registration is required for this session.

**Aims:** This skills workshop will help attendees gain the technical expertise needed to perform spirometry and whole body plethysmography according to both best practice and the latest recommendations that are supported by experts in the field; to understand the measurements of spirometry, static lung volumes, airway resistance and resistance-volume loops via whole body plethysmography; and to learn about the technical aspects of the body box, standardisation of test performance, reporting and case study interpretation.

**Disease(s):** Airway diseases, Paediatric respiratory diseases

**Chairs:** Sam Bayat (Grenoble, France)

**10:40**  
Performing Spirometry  
Jana Kivastik (Tartu, Estonia)  

**10:40**  
Standardised static lung volume measurement using whole body plethysmography  
Matthew Rutter (Cambridge (Cambridgeshire), United Kingdom)  

**10:40**  
Measurement of airway resistance and resistance volume loops using whole body plethysmography  
Monique Wapenaar - De Korver (Vlaardingen, Netherlands)  

**10:40**  
Reporting and interpretation of case studies  
Maximillian Thomas (Birmingham, United Kingdom)  

**Studio  
Session 282 10:55 - 11:20**

**Experts interview: Evidence of the role of continuous positive airway pressure therapy in cardiovascular primary and secondary prevention**

What we have learnt from randomised controlled trials and real-world data?

**Disease(s):** Sleep and breathing disorders

**Tag(s):** Clinical

**Chairs:** Winfried J. Randerath (Solingen, Germany), Jellien Makonga-Braaksma (Woudenberg, Netherlands)

**10:55**  
Evidence on the role of CPAP therapy in cardiovascular primary and secondary prevention - what we have learnt from RCTs and real world data  
Manuel Sanchez De La Torre (Toledo, Spain)  

**11:10**  
Discussion and Q&A  
All Speakers  

**A1  
Session 283 11:00 - 12:15**

**Oral presentation: Novel management strategies in pulmonary fibrosis**

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

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

**Tag(s):** Clinical

**Chairs:** Wim A. Wuyts (Leuven, Belgium), Laura Fabbri (London, United Kingdom)

**Late Breaking Abstract - Dietetic intervention in malnourished patients with interstitial lung disease (ILD): a pilot trial**


**AIR – an open-label, 36-week, clinical trial of buloxibutid – investigating the disease modifying potential of a novel angiotensin II type 2 receptor agonist in IPF**

Cecilia Ganslandt (Stockholm, Sweden), Philip Molyneaux, Anand Devaraj, Bertil Lindmark, Johan Raud, Göran Tornling, Thomas Bengtsson, Toby M. Maher
Effects of lysophosphatidic acid receptor 1 (LPA1) antagonism on biomarkers in patients with idiopathic pulmonary fibrosis (IPF) and progressive pulmonary fibrosis (PPF): data from a randomized phase 2 trial with BMS-986278
Toby M Maher (Los Angeles, United States), Naftali Kaminski, Fang Wang, Tejaswi Yarra, Brandon Elpers, Sarah Hu, Peter Schafer, Gerald Horan

Safety and tolerability of bexotegrast in Phase 2 trials of idiopathic pulmonary fibrosis (IPF) and primary sclerosing cholangitis (PSC)
Gregory Cosgrove (South San Francisco, United States), Richard Pencek, Chris Barnes, Annie Clark, Hardean Achneck, Eric Lefebvre

Validation of electronic nose technology as diagnostic tool for different fibrotic interstitial lung diseases
Catharina C. Moor (Rotterdam, Netherlands), Iris G. Van Der Sar, Leda Yazbeck, Markus Polke, Michael Kreuter, Vincent Cottin, Philip L. Molyneaux, Marlies S. Wisjenbeek

Taiki Furukawa (Nagoya (Aichi), Japan), Yasuhiro Kondoh, Shintaro Oyama, Hideo Yokota, Ryo Teramachi, Hironao Hozumi, Yoshimune Shiratori, Yoshinori Hasegawa, Takafulmi Suda, Makoto Ishii, .. The Providing Multidisciplinary Ild Diagnoses [promise] Study Group

Disease trajectory of newly diagnosed patients with pulmonary fibrosis using online home spirometry in the international multicenter I-FILE study

Health outcomes in IPF and PPF: European survey on healthcare professionals’ views and practices

Effect of telomere length and TERT/TERC rare variants on survival in Japanese patients with idiopathic interstitial pneumoniasGenetic predisposition study from the Japanese Idiopathic Interstitial Pneumonias (JIPS) Registry (NEJ036A)

Late Breaking Abstract - A deep learning algorithm for predicting progression in fibrosing interstitial lung disease
Caitlin Fermoyle (Camperdown, Australia), Simon Walsh, John Mackintosh, Xiaodan Xing, Yangying Fang, Guang Yang, Lauren Troy, Tamera Corte

Discussion and Q&A
All Speakers

A3 Session 284 11:00 - 12:15

Oral presentation: Advances in thoracic surgery

Disease(s) : Thoracic oncology, Airway diseases

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

Tag(s) : Clinical

Chairs : Marcello Migliore (Riyadh, Saudi Arabia), Amanda Dandanell Juul (Odense S, Denmark)

Impact of real-world pulmonary prehabilitation classes on lung cancer surgery patients’ outcomes: Matched-case analysis
Matar Alzahrani (Birmingham, United Kingdom), Rajnikant Mehta, Salma Kadiri, Saffana Algaead, Helen Shackelford, Aya Osman, Hazem Fallouh, Maninder Kalkat, Vanessa Rogers, Ashvini Menon, Robin Wotton, Babu Naidu

Percent predicted peak oxygen uptake is superior to weight-indexed peak oxygen uptake in risk stratification before lung cancer lobectomy
Kristofer Hedman (Linköping, Sweden), Karolina Kristenson

The 6-minute stepper test and the sit-to-stand test predict complications after major pulmonary resection via minimally invasive surgery: a prospective inception cohort study
Fairuz Boujibar (Rouen, France), Tristan Bonnevve, Francis Gravier, Jean-Marc Baste
Validation of the American College of Surgeons risk calculator for thoracic surgery
Nikolay Tsvetkov (Basel, Switzerland), Makhmudbek Mallaev, Brigitta Gahl, Aljaz Hojski, Michael Tamm, Luzius Steiner, Didier Lardinois

VATS is associated with a shorter time to referral to adjuvant therapy compared with thoracotomy
Güntuğ Batıhan (Kars, Turkey), Kenan Can Ceylan, Şeyda Ors Kaya

User-centered design of an integrated, hybrid personalised digital prehabilitation intervention in the lung volume reduction surgical pathway (‘Fit4Surgery’): A case study of the double diamond method
Matar Alzahrani (Birmingham, United Kingdom), Salma Kadiri, Joan Duda, Sally Fenton, Louisa Stonehewer, Hazem Fallouh, Babu Naidu

Evaluation and rehabilitation before surgery in lung cancer patients: A survey among members of the French Society of Thoracic and Cardiovascular Surgery (SFCTCV)
Fairuz Boujibar (Rouen, France)

Assessing the benefits of lung surgery: 3D reconstruction vs. conventional methods - a pilot study
Aljaz Hojski (Basel, Switzerland), Michael Tamm, Brigitta Gahl, Didier Lardinois

Cigarette smoking, cannabis use and vaping behaviours in patients operated for spontaneous pneumothorax.
Edward Caruana (Kegworth, United Kingdom), Iain Stewart, Neil Greening

OA2878 Discussion and Q&A
All Speakers
An exploratory analysis of flow volume loop morphology using convolutional neural networks
Seamus J. Linnane (Blackrock (CoDublin), Ireland), Estella Ogbebor, Ailish Daly, David Mulqueen

Discussion and Q&A
All Speakers

Oral presentation: Updates from population-based and clinical cohort studies including children with respiratory problems

Disease(s): Airway diseases, Pulmonary vascular diseases
Method(s): Epidemiology, General respiratory patient care, Public health, Pulmonary function testing, Transplantation
Tag(s): Clinical
Chairs: Myrofora Goutaki (Bern, Switzerland), David Lo (Leicester, United Kingdom)

Late Breaking Abstract - Late pulmonary adverse effects in childhood survivors of acute lymphoblastic leukemia; A national cross-sectional study
Sonja Izquierdo Meyer (Aarhus N, Denmark), * A L L-S T A R Research Group, Kim Gjerum Nielsen, Sune Rubak

Socioeconomic deprivation, ethnicity, and health outcomes in preschool children with wheeze in England: a retrospective cohort study
David Lo (Leicester, United Kingdom), Claire Lawson, Clare Gillies, Sharmin Shabnam, Erol Gaillard, Hilary Pinnock, Jennifer Quint

Mind the gap: ethnicity and clinical outcomes in Primary Ciliary Dyskinesia
Nicola Rowbotham (Derby, United Kingdom), Eleanor Weyell, Svetlana Dubkova, David Adebayo, Priti Kenia, Deepa Patel

Genome-wide gene-air pollution interaction analysis on asthma in adolescents: a meta-analysis of 5 European birth cohorts
Sara Kress (Düsseldorf, Germany), Simon Merid, Warner Van Kersen, Ashley Budu-Aggrey, Judith Vonk, Elisabeth Thiering, Claudia Wigmann, Ashish Kumar, Maaike De Vries, Ulrike Gehring, Lisa Maier, Raquel Granell, Anna Pulakka, Olena Gruzieva, Gerard Koppelman, Sylvain Sebert, Erik Melén, Marie Ståhl, Tamara Schikowski

Association between prenatal and childhood exposure to particulate matter and asthmatic symptoms in the children of the Cyprus MEDEA Cohort
Nicole Alkhouri (Boston, United States), Veronica Wang, Michael Leung, Stefania Papatheodorou, Pinelopi Anagnostopoulou

Maternal plant-based diet during pregnancy with allergic and respiratory multimorbidity in childhood
Rosalie Delvert (Villejuif, France), Yvan Njonfang Mbakop, Karine Adel-Patient, Amandine Divaret-Chauveau, Chantal Raherison, Marie-Aline Charles, Raphaëlle Varraso, Blandine De Lauzon-Guillain, Annabelle Bédard

Asthma management in pregnancy and infant respiratory outcomes
Bronwyn Brew Haasdyk (Stockholm, Sweden), Peter Gibson, Adam Collison, Paul Robinson, Peter Sly, Megan Jensen, Annelies Robijn, Joerg Mattes, Vanessa Murphy

Lung function in children after cancer treatment
Masa Zarkovic (Bern, Switzerland), Christina Schindera, Jakob Usemann, Philipp Latzin, Claudia Kuehn

Pulmonary function in children after hematopoietic stem cell transplantation: a retrospective analysis
Gabriele Raffler (Zurich, Switzerland), Christine Schneider, Florian Singer, Florian Wyler, Alexander Moeller, Tayfun Guengoer, Mathias Hauri, Jakob Usemann

Pulmonary embolism in children: a French national multicentric retrospective cohort study
Pierre Gourdan (Nice, France), Rashad El Hajj, Antoine Tran, Pierrick Cros, Eglantine Hulot, Marie-Christine Heraud, Alexandra Masson-Rouchaud, Philippe Reix, Jean-Christophe Dubus, Géraldine Labouret, Marie-Catherine Renoux, Caroline Thumerelle, Michael Fayon, Tamazoust Guiddir, Alice Hadchouel, Lisa Giovannini-Chami

Discussion and Q&A
All Speakers

Oral presentation: Exploring new fields in adult cystic fibrosis

Disease(s): Airway diseases, Pulmonary vascular diseases
Method(s): General respiratory patient care, Cell and molecular biology, Imaging, Pulmonary function testing, Epidemiology
### OA2901
**Detection of antibiotic susceptibility in adult people with cystic fibrosis using a metagenomics approach**
Sonja van Scheijen (Amsterdam, Netherlands), Anne H. Neerinck, Els J. M. Weersink, Josje Altenburg, Christof Majoor, Anke H. Maitland-Van Der Zee, Mahmoud I. Abdel-Aziz

### OA2902
**Cystic fibrosis and the role of CFTR in circulating immune cells: a human single-cell atlas**
Leander Jonckheere (Gent, Belgium), Cédric Bosteels, Iris Janssens, Yannick Vande Weygaerde, Tania Maes, Robin Browaeys, Niels Vandamme, Simon J Tavernier, Bart N Lambrecht, Eva Van Braeckel

### OA2903
**Effectiveness of ETI in people with Cystic Fibrosis and no F508del CFTR variant: a multicenter study in Greece**
Aikaterini Manika (Pylaia (Thessaloniki), Greece), Filia Diamantea, Marija Hadzi-Mitrova, Anna Tsakona, Athina Sopiadou, Elisavet- Anna Chryssochoou, Maria Sionidou, Eleni Papadaki, Ioanna Tsiouprou, Maria Galogavrou, Elpis Hatzigiorou

### OA2904
**A CFTR modulator therapy might improve ciliary beating in patients with cystic fibrosis**
Céline Kempeneers (Liège, Belgium), Romane Bonhiver, Noemie Bricmont, Maud Pirotte, Marc-Antoine Wuidart, Renaud Louis

### OA2905
**Cardiometabolic risk factors in individuals with cystic fibrosis undergoing Elexacaftor/Tezacaftor/Ivacaftor therapy**
Gloria Leonardi (Trento, Italy), Gianfranco Alicandro, Massimiliano Ruscica, Andrea Gramegna, Francesco Blasi

### OA2906
**Limited effectiveness of elexacaftor-tezacaftor-ivacaftor on lung hyperinflation in adults with cystic fibrosis**
Théo Dhôte (Paris, France), Clémence Martin, Lucile Regard, Reem Kanaan, Nicolas Carlier, Isabelle Honoré, Johanna Fesenbeck, Espérine Burnet, Isabelle Fajac, Frédérique Aubourg, Thierry Perez, Jennifer Da Silva, Pierre-Régis Burgel

### OA2907
**Regional ventilation evaluation of abnormalities of the lung in cystic fibrosis (ReVEAL-CF Study)**
Grace Kavanagh (Dublin, Ireland), Nina Eikelis, Kris Nilsen, Ryan Phuong, Youngmi Van Der Werf, Mark Teh, Bhajan Singh, Siobhain Mulrennan

### OA2908
**Distal pulmonary arterial remodeling in end-stage cystic fibrosis**

### OA2909
**VOC breath biomarkers for early detection and monitoring of acute pulmonary exacerbations in people with Cystic Fibrosis**
Rodrigo Andres Floto (Cambridge (Cambridgeshire), United Kingdom), Elizabeth Crone, Hsuan Chou, Amy Craster, Ibrahim Karaman, Billy Boyle, Lara Pocock, Max Allsworth, Lucy Gale

### OA2910
**Discussion and Q&A**
All Speakers

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### Session 288 11:35 - 12:20

**Pro-Con debate: Is the use of new technologies and limited channel devices beneficial in the diagnosis of suspected sleep apnoea?**

**Aims:** To discuss the potential benefits and limitations of new technologies and data analysis methods for automated sleep studies. What are the dangers of Level 3 and especially Level 4 sleep studies in the wrong setting? What benefits can new technologies and especially new analysis algorithms and artificial intelligence in the diagnosis of sleep-related breathing disorders bring if they are used in a targeted manner? What benefits can they bring in the age of individualised therapy concepts and for a possible endotype- and phenotype-based therapeutic strategy, or do they rather limit this approach?

**Disease(s):** Sleep and breathing disorders

**Method(s):** General respiratory patient care Physiology

**Tag(s):** Clinical

**Target audience:** Adult pulmonologist/Clinician, General practitioner, Medical Technical Assistant, Nurse, Physiologist

**Chairs:** Winfried J. Randerath (Solingen, Germany), Jellien Makonga-Braaksma (Woudenberg, Netherlands)

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<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Location/Institution</th>
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<tbody>
<tr>
<td>11:35</td>
<td><strong>PRO:</strong> sleep studies and new technologies can be helpful</td>
<td>Jean-Louis Pépin (Grenoble, France)</td>
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<tr>
<td>11:50</td>
<td><strong>CON:</strong> Limited channel sleep studies and new technologies cannot be used</td>
<td>Carolina Lombardi (Milano (MI), Italy)</td>
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<td>12:05</td>
<td><strong>Discussion and Q&amp;A</strong></td>
<td>All Speakers</td>
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Session 298 12:30 - 14:00

Poster session: Chronic obstructive pulmonary disease exacerbation I

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

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

**Tag(s):** Clinical

**Chairs:** Tiziana Patrizia Cremona (Bern, Switzerland), Angelos Vontetsianos (ATHENS, Greece)

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**PA2951**
Frailty on in-hospital death in older patients with acute exacerbation of chronic obstructive pulmonary disease: a real-world prospective cohort study
Xin Zhang (Chengdu, China), Li Li, Lei Wang, Li Zhang, Chongyang Zhao, Qin Wang, Ying Liu, Lei Liu, Lishan Yuan, Min Feng, Gang Wang, Deying Kang

**PA2952**
Development of Multidimensional Assessment in COPD (MAC) score for short-to-medium-term prognosis in elderly COPD patients at high-risk of acute exacerbation
Edoardo Pirera (Palermo, Italy), Domenico Di Raimondo, Chiara Pintus, Riccardo De Rosa, Martina Profita, Gaia Musiari, Antonino Tuttolomondo

**PA2953**
Bicarbonate levels on admission predict recurrent acute hypercapnic respiratory failure in COPD
Tin Wai Wong (Hong Kong, Hong Kong)

**PA2954**
Effect of cardiovascular risk management on the risk of major acute cardiovascular events in patients with COPD in general practice
Bram van den Borst (Nijmegen, Netherlands), Mayke Willemsen, Tjard Schermer, Lisette Van Den Bermt, Lena Raaijmakers, Reinier Akkermans, Marion Biemans, Erik Bischoff

**PA2955**
Impact of Chronic Obstructive Pulmonary Disease on the Prognosis of Patients with Lung Cancer
Wenxin Luo (Chengdu, China), Lan Yang, Weimin Li

**PA2956**
Five-year mortality in patients with COPD and Impaired left ventricular filling
Mustafa Abdou (Grosshansdorf, Germany), Henrik Watz, Peter Alter, Kathrin Kahnert, Franziska Trudzinski, Espen E. Groth, Martin Claussen, Anne-Marie Kirsten, Tobias Welte, Rudolf A. Jörres, Robert Bals, Claus Vogelmeier, Klaus. F Rabe, Benjamin Waschki

**PA2957**
Non-invasive respiratory supports delivery in Australia
Catherine buchan (Melbourne, Australia), Yet H Khor, Rebecca Disler, Natasha Smallwood

**PA2958**
Non-invasive ventilation implementation guidance in Australian hospitals: a systematic review approach
Catherine buchan (Melbourne, Australia), Idy Chukwu, Anne Walker, Dahien Manoharan, Eli Dabscheck, Natasha Smallwood

**PA2959**
Oxygen therapy implementation guidance in Australian hospitals: a systematic review approach
Catherine buchan (Melbourne, Australia), Toby Thomas, Yet H Khor, Rahmin Zahnin, Natasha Smallwood

**PA2960**
The role of hypercapnia among hospitalised patients with chronic obstructive pulmonary disease exacerbations
Giulia Sartori (Verona, Italy), Giovanni Viterale, Arturo Huerta, Albert Gabarrus, Alberto Fantin, Néstor Soler, Ernesto Crisafulli, Antoni Torres

**PA2961**
Prediction of NIV late failure among acute hypercapnic respiratory failure patients
Hana Mrassi (Tunis, Tunisia), Hana Mrassi, Nourelhabib Jallouli, Oumaima Hidri, Imane Sahnoun, Leila El Gharbi

**PA2962**
Cardiac evaluation of patients with Chronic Obstructive Pulmonary Disease (COPD) using two-dimensional Doppler echocardiography
Daniela Bukolska Ilievka (Skopje, North Macedonia), Jordan Minov, Ivana Mickovski

**PA2963**
Evaluation of serum (S) and urinary (U) eosinophil cationic protein (ECP) and eosinophil-derived neurotoxin (EDN) as biomarkers of eosinophilic (Eo) acute exacerbation of chronic obstructive pulmonary disease (AE).
Charlotte Schlesser (Yvoir, Belgium), Inès Jadot, Eric Marchand

**PA2964**
Characteristics of patient-reported worsenings of asthma and/or COPD and concordance with physician-reported exacerbations
Hana Mülleovo (Cambridge, United Kingdom), Eleni Rapsomani, Rod Hughes, Jonathan Marshall, Laura Belton, Deven Patel, Alberto Papi, Barry J Make, Pierre-Régis Burgel, Mohsen Sadatsafavi, Bradley Chipps, Helen K Reddel, Christor Janson, - For The Novelty Scientific Community And Novelty Study Investigators
**PS-10**  
**Session 299**  
**12:30 - 14:00**

Poster session: Novel treatment strategies for airway diseases: a glimpse into the future

**Disease(s):** Airway diseases

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

**Tag(s):** Basic science, Translational

**Chairs:** Tania Maes (Ghent, Belgium), Juan José Nieto-Fontarigo (Santiago De Compostela, Spain)

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**PA2971**  
**Biologic treatment specifically increases resting regulatory T-cells (Tregs) in blood of patients with severe asthma**  
Marek Lommatzsch (Rostock, Germany), Neeraja Jaishankar, Kai Bratke, Sebastian Sander, Paul Stoll, J. Christian Virchow

**PA2972**  
**Resolvin D1 reduces the inflammatory response to rhinovirus infection in COPD bronchial epithelial cells**  
Jordina Mah (London, United Kingdom), Melody Duvall, Samuel Kemp, Justine Devulder, Federico Baraldi, Kata Kebadze, Peter Fenwick, James P Allinson, Bruce Levy, Jadhiga Wedzicha, Lydia Finney

**PA2973**  
**Lung-targeted RNAi molecules silence human TSLP expression in PCLS cultures and humanized mice**  
Tingting Yuan (VERONA, United States), Szymon Klossowski, Maria Afrazi, Holly Hamilton, Julia Hegge, James Hamilton, Tao Pei, Erik Bush

**PA2974**  
**Shikonin alleviates asthmatic airway inflammation in mice through STAT3-dependent mechanism in airway epithelial cells**  
Haifeng Ouyang (Xi'an, China), Yao Zhang

**PA2975**  
**Increased IL-4 receptor expression in COPD small airway remodelling**  
Andrew Higham (Manchester (Greater Manchester), United Kingdom), Josiah Dungwa, Jennifer Dewhurst, Juby Jacob-Nara, Dave Singh

**PA2976**  
**Differential effects of Ruxolitinib on airway remodeling in asthma and COPD**  
Maria Elpida Christopoulou (Freiburg im Breisgau, Germany), Eleni Papakonstantinou, Apolline Gonsard, Daiana Stolz

**PA2977**  
**The pathophysiological role of IL-13 in COPD**  
Andrew Higham (Manchester (Greater Manchester), United Kingdom), Sophie Booth, Jian Li, Jiao Ma, Jennifer Dewhurst, Juby Jacob-Nara, Dave Singh

**PA2978**  
**Arg16Gly β2-Adrenoreceptor Polymorphism in Severe Eosinophilic Asthma: Implications for Mepolizumab Long-Term Effectiveness and Clinical Remission**  
Santi Nolasco (Catania, Italy), Raffaele Campisi, Maria D'Amato, Evelina Fagone, Corrado Pelaia, Andrea Portacci, Giulia Sciscia, Angelantonio Maglio, Massimo Triggiani, Maria Filomena Caiaffa, Alessandro Vatrella, Girolamo Pelaia, Giovanni Elisiana Carpanogno, Carlo Vancheri, Nunzio Crimi, Claudia Crimi

**PA2979**  
**APATURA: a Phase 2a study of clarekibep, an inhaled IL-4 receptor alpha inhibitor, in moderate-to-severe asthma**  
Tania Hugo (Cheshunt, United Kingdom), Andrew R. Harper, Jacob Leander, David Bock, Steve Burns, Erol Wiegert, Mary F. Fitzgerald, David R. Close, David J. Keeling, Hitesh Pandya, Maria G. Belvisi, Paul M. O'Byrne
PA2981  Characteristics of U-BIOPRED endotypes from multi-omics integration of 24 high-dimensional/throughput data
Nazanin Zounemat-Kermani (hanworth, United Kingdom), Chuan-Xing Li, Martina Bonatti, Bertrand De Meulder, Charles Auffray, Yike Gue, Ian M Adcock, Kian Fan Chung, Asa M Wheelock

PA2982  Efficacy and safety of CM310 in moderate to severe asthma: a multicenter, randomized, double-blind, placebo-controlled phase 2 study
Nan Su (Beijing, China), Ling Zhang, Liping Peng, Yi Jiang, Jie Li, Changqing Lin, Junzhen Gao, Zhihong Chen, Zuke Xiao, Dong Zhang, Haihong Wu, Shengyu Wang, Zaiyi Wang, Xiangjie Zhang, Xiaomeng Qi, Jingbo Qiu, Wenujuan Wang, Anbo Xiang, Chunle Li, Chen Wang

PA2983  A long-acting high affinity anti-TSLP antibody (GB-0895) for severe asthma identified leveraging a proprietary machine learning platform
Kapil Mayawala (Secaucus, United States), Antonios Aliprantis, Jaileene Hernandez Escalante, Hongwei Han, Sumana Ullas, Ming Bai, Charles Sinclair, Wojciech Dworakowski, Lovely Goyal, Karima Amir, Andrew Robertson, Stephanie Straley, Kristen Hopson, Adam Root, Luisa Salter-Cid, Lana Dinic, Victoria Szenes, Heather Van Epps, Alexandra Snyder, Dave Singh

PA2984  PBF-680, an oral A1 adenosine receptor antagonist, increases trough forced expiratory volume in 1 second (FEV1) in mild-to-moderate asthma: a Phase-II trial
David Ramos Barbon (Barcelona, Spain), Saúl Saldaña Marín, Nadia Sonia Brienza, Rosa Maria Antonijoan Arbos, José Luis Velasco Garrido, Angel Ferrer Torres, Mariana Muñoz Esquerre, José Gregorio Soto Campos, Carlos Martinez Rivera, Juan Alberto Luna Porta, Santiago Figueroa Pérez, Miriam Soler Palacin, Alina Ariosa Álvarez, Nahomi Castro Palomino Laria, Julio Castro Palomino Laria

PA2985  Pharmacological characterization of the relaxant effect of RCD405 in isolated human medium bronchi
Paola Rogliani (Roma (RM), Italy), Clive Page, Mia Lundblad, Riccardo Tajé, Francesco Facciolo, Luigiino Calzetta

PA2986  Endocannabinoids suppress inflammation-induced tumor necrosis factor alpha up-regulation in human and Guinea-pig lungs
Reshed Abohalaka (Göteborg, Sweden), Yasemin Karaman, Serkan Uysal, Erkan Dikmen, Turgut Emrah Bozkurt

PA2987  Pharmacokinetics (PK) of the anti-ST2 monoclonal antibody, astegolimab
Wenhui Zhang (SK10 1AQ, United States), Dorothy Cheung, Alice Fong, Logan Brooks, Michele Grimbaldeston, Audrey Arjomandi, Xiaoying Yang, Ajit Dash, Divya Mohan

PA2988  Cutting-edge 3D COPD lung mimic
Eline Geervliet (Enschede, Netherlands), Than Huyen Phan, Huaikai Shi, Christopher E. Denes, Alexander J. Coles, Yiwei Wang, Yuen Yee Cheng, Daniel Hesselson, Susan H. Roelofs, Graham Gregory Neely, Jun-hyeog Jang, Wojciech Chrzanowski

PA2989  Metabolomic analysis of the effect of endocannabinoid metabolism inhibition in allergic airway inflammation
Reshed Abohalaka (Göteborg, Sweden), Yasemin Karaman, Tuba Reecer, Sevgen Celik Onder, Emirhan Nemutlu, Turgut Emrah Bozkurt

PA2990  Efficacy and safety of Suhuang Zhike Capsules in the treatment of asthma: A multicenter, randomized, double-blinded, placebo-controlled trial
Yilin Pan (Shanghai, China), Wen Hua, Cuiqin Shi, Wuping Bao, Li Yu, Huahao Shen, Min Zhang

PA2991  Ensifentrine treatment improves COPD symptoms and quality of life in a pooled analysis of the ENHANCE trials
Alexander Mathioudakis (Manchester, United Kingdom), William Stringer, Tara Rheault, Amy Dixon, Daniel Reyner, Kathleen Rickard, Richard Casaburi

PA2992  In current smokers with COPD, LABA+LAMA is superior to LABA+ICS, regardless of blood eosinophils. Data from the FLAME trial.
Alexander Mathioudakis (Manchester, United Kingdom), Andrew Higham, Sebastian Bate, Victoria Chatzimavridou-Grigoriadou, Pradeesh Sivapalan, Jens-Ulrik Jensen, Tim Felton, Jørgen Vestbo, Dave Singh

PA2993  Machine learning models for different outcomes to better understand individual treatment response on COPD exacerbations in the IMPACT study
Helene Huts (Leuven, Belgium), Kenneth Verstraete, Michał Staes, Ahmed Elmahy, Wim Janssens, Maarten De Vos
PA2994  Sputum cytokine repeatability in COPD  
Alex Mulvanny (Manchester (Greater Manchester), United Kingdom), Augusta Beech, Tatiana Infante Parra, Dave Singh

PA2995  Efficacy and safety of ensifentrine in European patients with moderate to severe COPD: pooled results from the ENHANCE trials  
Frits M.E. Franssen (Maastricht, Netherlands), Tara Rheault, Kathleen Rickard, Amy Dixon, Daniel Reyner, Henrik Watz

PA2996  Impact of ensifentrine on trough FEV1 in COPD: a meta-analysis  
Luigino Calzetta (Roma (RM), Italy), Shima Gholamalishahi, Josuel Ora, Paola Rogliani

PA2997  Ensifentrine improved symptoms and reduced moderate/severe exacerbation rate and risk in patients with COPD and significant cough and sputum  
Victor Kim (Philadelphia, United States), Alejandro Diaz, Tara Rheault, Kathleen Rickard, Amy Dixon, Daniel Reyner, Jadwiga Wedzicha

PA2999  Real-world safety of budesonide/glycopyrrolate/formoterol in Chinese patients with chronic obstructive pulmonary disease  
Yongchang Sun (Beijing, China), Yunfeng Chen, Xiwei Zhang, Rubin Guo, Luqian Zhou, Jiaxi Feng, Xiaomin Xiong, Weiguo Xu, Guoping Li, Jing Zhang

PA3000  Efficacy of Budesonide/Glycopyrronium/Formoterol FDC across blood eosinophil ranges in Indian COPD patients: post-hoc analysis of a phase-IV clinical-trial  
Priti Meshram (Mumbai (Maharashtra), India), Manish Jain, Akash Balki, Anand Kumar, Ajeet Singh, Meena Lopez, Rushika Shah, Sandesh Sawant, Abhijit Vaidya, Jaideep Gogtay

PA3001  Late Breaking Abstract - Phase 2 trial of HS31858, a novel DPP1 inhibitor, in bronchiectasis  
Wejie Guan (Guangzhou (Guangdong), China), Nanshan Zhong, Rong Qiu, Jie Cao, Yanming Huang, Hua Zhou, Xingxiang Xu, Huan Ye, Zhihong Yang, Lingyun Gao, Yao Shen, Zuke Xiao, Shiguang Xie, Dianjie Lin, Li Zhao, Hao Xiong, Xianming Zhang, Guojun Zhang, Xiaojv Zhang, Yuanyuan Li, Jinfu Xu, Fuqiang Wen, Yuanlin Song, Lingwei Wang, Yingxiang Lin

PA3002  Safety, Tolerability and Pharmacokinetics of The Phosphodiesterase 3/4 (PDE3/4) Inhibitor TQC3721 Suspension for Inhalation in Healthy Adult Subjects  
Weigu Li (Nanjing, China), ZHU LUO, Ling Yang, Miao Jiang, Ding Yu, Weimin Li

PA3003  Effect of n-acetylcysteine against mucus hypersecretion in COPD  
Paola Rogliani (Roma (RM), Italy), Shima Gholamalishahi, Rossella Laitano, Luigino Calzetta

PA3004  The mitochondrial-targeted antioxidant SkQ1 ameliorates cigarette smoke-induced oxidative stress and airway inflammation  
Jiangyue Qin (Chengdu, Sichuan, China), Zijian Zeng, Bi Ran, Jun Chen, Tao Wang, Yongchun Shen, Fuqiang Wen

PA3005  Efficacy of alvelestat on SGRQ in patients with alpha-1 antitrypsin deficiency and mild airflow limitation: A pooled analysis from two Phase 2 studies  
James Fettiplace (London, United Kingdom), Jamie Inshaw, Mike Wells, Mark Dransfield, Robert Stockley, Paul Jones, Jackie Parkin

PA3006  Pharmacological characterization of the relaxant effect of RCD405 in isolated human small airways  
Luigino Calzetta (Roma (RM), Italy), Clive Page, Mia Lundblad, Filippo Tommaso Gallina, Francesco Facciolo, Paola Rogliani

PA3007  Ketoprofen Lysinate exerts anti-inflammatory activity and preserves barrier function in injured primary bronchial epithelial cells  
Maria Ferraro (Palermo (PA), Italy), Serena Di Vincenzo, Paola Pinto, Valentina Lazzara, Elisabetta Pace

PA3008  Exploring effects of mechanical stress in the development of emphysema using a lung organoid  
Arthur Pavo (Lille, France), Marina Guercamburu, Emma Samaniego, Caroline Jeannieré, Yaniss Belaroussi, Matthieu Thumerel, Elise Maurat, Katharina Raasch, Pauline Henrot, Patrick Berger, Vincent Studer, Isabelle Dupin, Maëva Zysman

PA3009  Clinical burden of disease in COPD patients on double and triple therapy – a retrospective, longitudinal German claims study  
Roland Buhl (Mainz, Germany), Timm Greulich, Denis Azabdaftari, Inka Albrecht, Anna Carina Meyer, Marie Schild, Nils Kossack, Lena Richter, Joanna Diesing, Oliver Damm, Claus Franz Vogelmeier

PA3010  Mucus plugging and mucolysis in patients admitted with acute exacerbation of chronic obstructive pulmonary disease (COPD); investigating impact on short term mortality  
Emad Abugassa (Stafford, United Kingdom), Olivia Bosher, Annabel Makan, Emma Crawford, Muhammad Adnan Saleem, Koottalai Srinivasan, Harmesh Moudgil
Poster session: Chronic obstructive pulmonary disease comorbidities: novelties in an old link!

Disease(s): Airway diseases
Method(s): Pulmonary function testing  General respiratory patient care  Imaging  Epidemiology  Cell and molecular biology  Public health
Tag(s): Clinical
Chairs: Lowie Vanfleteren (Göteborg, Sweden), Bianca Beghè (Modena (MO), Italy)

**Lung Cancer Burden in the SPIROMICS Cohort.**
Igor Barjaktarevic (Los Angeles, United States), Lori Bateman, Fereidoun Abtin, Steven Dubinett, R. Graham Barr, Surya P. Bhattacharya, Carolin Comellas, Christopher B. Cooper, Jeffrey Curtis, Mark Dransfield, Meilan Han, Nadja Hansel, Eric Hoffman, Jerry A. Krishnan, Nathaniel Marchetti, Fernando J. Martinez, Jill Ohar, Victor E. Ortega, Robert Paine, Prescott Woodruff, Donald P. Tashkin, Russell Bowler, David Couper

**Does raised troponin during severe COPD exacerbation predict future cardiovascular events?**
Nyle Cockell (Greater Manchester, United Kingdom), Nihal Billing, Praanesh Kumareshan, Holly Cook, Thapas Nagarajan

**Cardiovascular risk after hospitalization for exacerbation of COPD**
Lia Alonso Tomás (Xativa, Spain), Cristina Rosario Martin, Marta Solé Delgado, Cristina Miralles Saavedra, Pablo Catalán Serra, Juan José Soler Cataluña

**Finding the hidden millions: identifying undiagnosed, symptomatic COPD through lung cancer screening (the FRONTIER Programme)**
Kayleigh Brindle (Cottingham, United Kingdom), Karen Watkins, Jennifer Shyamalee, Joanne Thompson, Shoaib Faruqui, Jennifer Gilroy-Cheetham, Charlie Maxted, Saarah Niazi-Ali, Michael Crooks

**Significant Different Levels of CO2, NO2, CO, C6H6, and C3H8 and Serum Leukotriene B4 Between COPD versus COPD with Lung Cancer Patients**
Dr. dr. Susanthu Djajiakalsana, Sp.P (Malang, Indonesia), Kevin Wahyudy Prasetyo, Aditya Sri Listyoko, Arinto Yudi Ponco Wardoyo

**Dysregulated serum glycerophospholipid and fatty acid metabolism in different disease stages of COPD**
Yan Yu (Beijing, China), Yu Xie, Yukun He, Yali Zheng, Zhancheng Gao

**Does PRISm or Pre-COPD affect cardiovascular outcomes among COPD-patients in the Swedish National Airway Register?**
Oskar Wallström (Göteborg, Sweden), Caroline Stridsman, Anne Lindberg, Helena Backman, Sigrid Vikjord, Fredrik Nyberg, Lowie E.G.W. Vanfleteren

**The differences in Electrocardiography (ECG) according to the severity of Chronic Obstructive Pulmonary Disease**
Eun Yeong Cho (Seoul, Republic of Korea), Kwang Ha Yoo, Seong Yong Lim, Youlim Kim, Jae Jeong Shim

**COPD exacerbations and cardiovascular comorbidities**
Lucile Regard (Paris, France), Alain Cohen-Solal, Thabut Gabriel, Charline Rouleaux, Barbara Roux, Heloise Russo, Nolwenn Poiccard, Nicolas Roche

**Air trapping and the risk of cardiovascular events in COPD exacerbations.**
Anaftasia Papaporyfyriou (Mandra, Greece), Kostas Bartziokas, Andriana L Papaoannou, Daniela Gompelmann, Marco Idzko

**The interplay between COPD and chronic heart failure deterioration**
Sanne H B van Dijk (Enschede, Netherlands), Marjolein G J Brusse-Keizer, Tanja Effing, Paul D L P M Van Der Valk, Eline H Ploumen, Job Van Der Palen, Carine J M Doggen, Anke Lenferink

**Erythropoiesis disorders in COPD**
Wissal Bouddine (El Jadida ; MAROC, Morocco), Nahid Zaghba, Khadija Chaanoun, Hanaa Harraz, Hanane Benjelloun, Najiba Yassine

**Inflammatory profile of COPD reached by hypertension**
OUAHIDA BOUROUBI (Constantine, Algeria), Samia Khelifi, Leila Belkadi, Nessrine Zaabat

**Prevalence of cardiovascular disease in COPD and AATD-COPD**
Paul Ellis (Solihull, United Kingdom), Alice Turner, Michael Newnham

**The effect of tiotropium/olodaterol fixed-dose combination on cardiac function in patients with newly diagnosed moderate-to-severe chronic obstructive pulmonary disease**
Ieva Dimiene (Kaunas, Lithuania), Lina Padervinskien, Inesa Jermalaviciene, Deimante Hoppenot, Skaidrius Miliauskas
Impact of COPD on the Follow-up of Patients with Acute Coronary Syndrome.
Santiago Rodriguez-Segade Alonso (A Coruña, Spain), Irene Nieto Codesido, Carmen Diego Roza, Elvira Clavero Fernández

Endothelial dysfunction and coronary artery disease in patients with COPD
Mairi MacLeod (London, United Kingdom), Kristopher Knott, Ralph Lopez, Sam Bartlett-Pestell, Aaron Braddy-Green, Ramzi Y Khamis, Peter J Barnes, Peter Collins, Ed D Nicol, JDwigia A Wedzicha, Koralia Paschalaki

The prevalence of EGFR mutations in lung adenocarcinoma patients with COPD: a middle income country experience
Ivana Canak (Sremska Kamenica, Republic of Serbia), Jelena Mikov, Goran Stojanovic, Vanesa Sekerus, Marko Bojovic, Ana Milenkovic, Ilija Andrijievic, Ivan Kopitovic, Nensi Lalic, Marija Vukoja

Characteristics of COPD patients experiencing cardiovascular events during hospitalization for COPD exacerbation
STAVROULA ZANELI (ATHENS, Greece), Giorgos Zakynthinos, Anastasia Papaporyfiou, Konstantinos Bartziokas, Evangelos Oikonomou, Angelos Vontetsianos, Agamemnon Bakakos, Idzko Marco, Daniela Gompelmann, Emmanouil Vavouranakis, Petros Bakakos, Andrianna Papaioannou

The predictive value of eosinophil levels on structural and functional changes in the left ventricle in COPD combined with hypertension
Anastasiasia Melenevych (Kharkiv, Ukraine)

Moderate-to-vigorous Physical Activity Reduces Mortality, Exacerbation, and Inhaled Corticosteroid Usage in COPD patients Using a LAMA/LABA combination: An Emulated Target Trial Using a Nationwide Cohort
Hye Yun Park (Seoul, Republic of Korea), Taeyun Kim, Hyunsoo Kim, Sun Hye Shin, Yunjoo Im, Sunga Kong, Hye Sook Choi, Sungmin Zo, Sang Hyuk Kim, Jung-Wan Yoo, Danhee Kang

The Gut-Airways Microbiome axis in COPD
Julieta Viglino (Barcelona, Spain), Lidia Perea, Mariano Garcia-Nunez, Ana Rodrigo-Troyano, Alfonso Torregro, Marisol Dominguez, Laura Miratelles, Sara Quero, Jesse Willis, Ester Saus, Toni Gabaldon, Joaquim Gea, Maria Salud Santos, Alvar Agusti, Eduard Monsó, Oriol Sibila, Rosa Faner

Pulmonary evaluation in potential kidney transplant candidates
Inês Fernandes Pedro (Lisboa (Lisboa), Portugal), Dina Escaleira Fernandes, Susana Moreira

Nomogram model to predict progression from Preserved Ratio Impaired Spirometry to Chronic Obstructive Pulmonary Disease in inpatient people: Development and validation of a novel model.
Wu Jiaxuan (Chengdu, China), Li Weimin

Mortality in a cohort of COPD patients according to their clinical phenotype
Laura Castellanos Lopez (Madrid, Spain), Guillermo Ansede Bordonaba, Patricia Perez González, Elena García Castillo, Tamara Alonso Pérez

Treatable features in decompensated COPD: network analysis
Marta Solé Delgado (Valencia, Spain)

Eosinophilic COPD phenotyping: a cluster analysis approach
Mariafrancesca Grimaldi (Altamura, BARI, Italy), Marianna Cicchetti, Alessandro Capuano, Sara Piccinno, Giovanni Sanasi, Eustachio Ricciardi, Maria Rosaria Vulpi, Carla Santomas, Fabrizio Diaferia, Andrea Portacci, Cristian Locorotondo, Agnese Caringlia, Giovanna Elisiana Carpannano

Association of Dysanapsis with FEV1 Decline in Early COPD: The BEACON Cohort

Lung Tissue Heterogeneity in Non-smokers, Smokers without Airflow Obstruction, and COPD
Ho-Fung Chan (Auckland, New Zealand), Joyce John, Haribalan Kuman, Kelly S Burrowes, Surya P Bhatt, Ge Jin, Evgenia Golovina, Justin M O'Sullivan, Merryn H Tawhai
PA3040
The effect of smoking cessation on airway-occluding mucus plugs in COPD
Sofia Mettler (Cambridge, United States), Hrudaya Nath, Scott Grumley, Andrew Yen, Padma Manapragada, Mostafa Abozeed, Muhammad Aziz, Mohd Zahid, Rim Elalami, Maya Abdalla, Sushilkumar Sonavane, Raül San José Estépar, Michael Cho, Alejandro Diaz

PA3041
Impact of chronic bronchitis in moderate COPD
Paul Jones (London, United Kingdom), Tao Ye, Chang Liu, Chris Compton, Xinying Huang, Qianli Ma, Fuqiang Wen, Yongchang Sun, Jингing Zheng, Rongchang Chen

PA3042
Characterization of GOLD E COPD patients in the United States
Surya Bhatt (Birmingham, United States), Yiran Zhang, John White, Rachel Halpern, Richard H. Stanford, Ernesto Mayen Herrera, Xavier Soler, Mena Soliman, Harry Sacks, Jigna Heble, Michel Djandji, Juby Jacob-Nara, Tabarak Qureshi, Arun Subramaniam

PA3043
• Do bronchiectasis worsens COPD – a cross-sectional pilot study
Soumya Das (Kolkata (West Bengal), India), Hrishikesh Barui, Santanu Ghosh, Subhajit Ghosh

PA3044
Cough characteristics as biomarkers for predicting acute exacerbations of COPD
Jansen Zhou (Toronto, Canada), Maryann Calligan, Sejal Bhalla, Andrea Gershon, Eyal De Lara, Alex Mariakakis, Robert Wu

PA3045
Association of Neutrophil-to-Lymphocyte-Ratio and clinical outcomes in COPD
Marjolein Brusse-Keizer (Enschede, Netherlands), Lynn Engbers, Emanuel Citgez, Job Van Der Palen

PA3046
Low household income increases risks for chronic obstructive pulmonary disease in young population
Sei Won Lee (Seoul, Republic of Korea), Chiwook Chung, Kyungdo Han, Kyu Na Lee, Dong Wook Shin

PA3047
Expression of ectonucleotidase CD73 and inflammatory profile by clinical phenotypes in COPD
Carmen Lores Benavente (Barcelona, Spain), Paula Camps, Ester Cuévas, Elisabet Aliàgas, Alfredo Marin, Marta López, Mariana Muñoz, Salud Santos

PA3048
Effects of PM2.5 components on peak expiratory flow among COPD patients: A panel study
Yutong Cai (London, United Kingdom), Jiachen Li, Haolin Wang, Lirong Liang, Zhaohui Tong

PA3049
The Survival Rate of COPD Patients in Malaysia: EXACOS-MY study
Syazatul Syakirin Sirol Aflah (Kuala Lumpur, Malaysia), Ahmad Izuanuddin Ismail, Wong Chee Kuan, Aisya Natasya Musa

PA3050
The Philippine COPD Profile and Survival Study (CPASS): A multicenter, prospective cohort, Observational study - Characteristics of patients according to risk factors
Roland Panaligan (Quezon City, Philippines), Irene Rosellen Tan, Lenora Fernandez, Joan Tan, Celeste Mae Campomanes, Violeta Reyes, Helen Isaac, Teresita De Guia, Rodolfo Pagcatipunan, Tim Trinidad

PS-14 Session 303 12:30 - 14:00
Poster session: Monitoring in airway disease II: looking towards the future
Disease(s) : Airway diseases, Thoracic oncology
Method(s) : Epidemiology, General respiratory patient care, Public health, Pulmonary function testing, Physiology, Pulmonary rehabilitation
Tag(s) : Congress theme: Humans and Machines: getting the balance right, Clinical
Chairs : Maarten van den Berge (Groningen, Netherlands), James Dean (Holmes Chapel, United Kingdom)

PA3051
AI model generalization assessed on unlabeled pulmonary function data from daily use
Ahmed Elmahy (Leuven, Belgium), Julie Maes, Elena Smets, Maarten De Vos, Marko Topalovic

PA3052
Exploring Variations in FEV1 and FVC z-Scores: A Methodological Framework to ‘the Elephant in the Room’. Christoph Gross (Vienna, Austria), Tobias Mráz, Charmaine Helk-Lim, Emiel F. M. Wouters, Sylvia Hartl, Robab Breyer-Kohansal, Marie-Kathrin Breyer

PA3053
Lung clearance index in adult respiratory medicine
Anika Hain (Solingen, Germany), Sandhya Matthes, Marcel Treml, Winfried Randerath, Lars Hagmeyer

PA3054
Phenotypes of dynamic changes in impulse oscillometry during methacholine challenge
Ran Wang (Manchester (Greater Manchester), United Kingdom), Miriam Bennett, Lisa Willmore, Liam Whipday, Lesley Lowe, Angela Simpson, Clare Murray, Stephen Fowler

PA3055
Longitudinal changes in abnormal lung mechanics in a general population
Chiara Veneroni (Milano (MI), Italy), Christoph Valach, Emiel F M Wouters, Christoph Gross, Alessandro Gobbi, Raffaele Dellaca', Marie-Kathrin Breyer, Sylvia Hartl, Charles Irvin, Pasquale Pompilio, Robab Breyer-Kohansal
Is the impedance modulus (Z) an adequate summary of oscillometry parameters in the general population?
Christoph Valach (Vienna, Austria), Chiara Veneroni, Emiel F M Wouters, Christoph Gross, Alessandro Gobbi, Raffaele Dellaca’, Marie-Kathrin Breyer, Sylvia Hartl, Charles G Irvin, Pasquale Pomplio, Robab Breyer-Kohansal

Association of Preserved Ratio Impaired Spirometry (PRISm) with All-Cause Mortality: a longitudinal cohort study
Yunjoo Im (Seoul, Republic of Korea), Taeyun Kim, Hye Yun Park

Defining small airways disease- does it matter? Comparison of prevalence and characteristics in the general population based on different definitions
Hazim Abozid (Wien, Austria), Emiel F.M. Wouters, Ahmad Karimi, Mohammad Azizzadeh, Andre F.S. Amaral, Sylvia Hartl, David Kaminsky, Marie-Kathrin Breyer, Robab Breyer-Kohansal

Home Spirometry in Clinical Trials: Evaluating Adherence and Quality in Patients with Asthma
Benoit Cuypers (Leuven, Belgium), Paul Desbordes, Karolien Van Orshoven, Marko Topulovic, Martina Foti, Lorenzo Mancini, Sandrine Corre, Isabella Viaud, Eva Topole

Bronchodilator response in asthma and COPD patients – additional spirometry parameters and their significance
Stoilka Koleva Mandadzhieva (Plovdiv, Bulgaria), Plamena Stoimenova, Blagoi Marinov

Navigating bronchodilator response in impulse oscillometry: are the latest cut-offs the optimal choice?
Tai Tran Quoc (Ho Chi Minh, Vietnam), Loi Hoang Dai, Lan Lê Thị Tuyết

Burden of preserved ratio impaired spirometry (PRISm) in the urban and rural community health screening camps in India
Vandana Das (Pune (Maharashtra), India), Sapna Madas, Monica Barne, Monika Dhawale, Ashfaque Shaikh, Prasad Shinde, Asmita Gaikwad, Abhishek Sabale, Sundeep Salvi

The role of small airways dysfunction in EGPA
Simone Bonetti (Casaletto Vaprio, Italy), Roberta Trapasso, Gianluca Imeri, Greta Chiodini, Roberta Biza, Maria Lavinia Bellini, Francesco Caglioni, Carlo Catani, Benedetta Cavazzutti, Luca Novelli, Fabiano Di Marco

Longitudinal follow-up of spirometry parameters in patients with COPD during pulmonary rehabilitation
Daphne Peerlings (Maastricht, Netherlands), Kiki Waejen-Smit, Antonio Dianglomenico, Kristoffer Ostridge, Victoria Godfrey, Josh Woolsey, Sander Van Kuijk, Martijn A Spruit, Sami O. Simons, Sarah Houben-Wilke, Frits M E Franssen

An explainable Artificial Intelligence approach for delineating sex-based profiles in severe asthma
Alessia Catalisano (Firenze, Italy), Chiara Marzi, Chiara Allegrini, Elisa Bentivegna, Alberto Bracciiali, Greta Insalata, Martina Maria Marinato, Stefano Diciotti, Michela Baccini, Gianna Camiciottoli

Could inspiratory capacity predict lung hyperinflation in patients with obstructive ventilatory impairment?
Amani SAYHI (tunis, Tunisia), Chaïma Briki, Narjès Ben Abbes, Wieme Ben Hmid, Saba Boubakri, Ines Ghannouchi, Sonia Rouaïfi

Correlation between Handgrip Strength and Air Trapping in Patients with Stable Chronic Obstructive Pulmonary Disease
Kritti Tirakitpanich, Narongkorn Saiphoklang

Optimal cut-offs for SAD indicators in predicting airflow obstruction
Ahmad Karimi (Wien, Austria), Mohammad Azizzadeh, Hazim Abozid, Sylvia Hartl, Marie-Kathrin Breyer, David A. Kaminsky, Emiel F M Wouters, Robab Breyer-Kohansal

Impact of using pre- and post-bronchodilator spirometry reference values in a Chinese population
Xueyan Han (Beijing, China), Ke Huang, Zhaoyang Pan, Tianjia Guan, Ting Yang, Chen Wang

Assessment of preoperative spirometric profiles and dyspnea severity in patients undergoing thoracic surgery
Ines Hichri (Ariana, Tunisia), Khouloud Kchaou, Myriam Bouzid, Balsam Barkous, Saloua Ben Khamsa Jameleddine

Nasal transcriptomic profiling reveals distinct patterns in Type 2 Asthma
Simon Kebede Merid (Stockholm, Sweden), Natalia Hernandez-Pacheco, Sophia Björkander, Susanna Klevebro, Gang Wang, Anne-Sophie Merritt, Anna Bergström, Inger Kull, Carsten O Daub, Gerard H. Koppelman, Erik Melén
Proteomic profiling of urinary sEVs reveals signature proteins in T2hi versus T2lo asthma
Laura Martelo-Vidal (santiago de compostela, Spain), Sara Vázquez-Mera, Pablo Miguéns-Suárez, Susana-Belén Bravo, Marina Blanco-Aparicio, Antía Ferreiro-Posse, Dolores Corbacho-Abelaira, Francisco-Javier Gonzalez-Barcala, Francisco-Javier Salgado, Juan José Nieto-Fontarigo

PA3073 Clustering analysis of asthma patients based on lymphocytes subpopulations: CD4+/CD26- low TEM TEMRA phenotype blur the innate-adaptive frontier in allergic asthma
Sara Vázquez-Mera (Santiago de Compostela, Spain), Pablo Miguéns-Suárez, Laura Martelo-Vidal, Paula Saavedra-Nieves, Susana Belén Bravo, Antía Ferreiro-Posse, Marina Blanco-Aparicio, Mar Mosteiro-Añón, Juan José Nieto-Fontarigo, Francisco Javier Salgado, Francisco Javier González-Barcala

PA3074 Immune markers in monosensitised and polysensitised patients with allergic airway diseases
Laura Tamasauskiene (Kauno raj., Lithuania), Brigita Gradauskiene

PA3075 The German Asthma Net: Patients without any type 2 biomarker signal are exceedingly rare
Christina Bal (Wien, Austria), Christian Taube, Eckard Hamelmann, Roland Buhl, Stephanie Korn, Marco Idzko

PA3076 Understanding the role of IGFALS in moderate-severe allergic asthma
Pablo Miguéns-Suárez (Santiago de Compostela, Spain), Laura Martelo-Vidal, Sara Vázquez-Mera, Juan José Nieto-Fontarigo, Antía Ferreiro-Posse, Marina Blanco-Aparicio, Tamara Hermida-Valverde, Francisco Javier Salgado, Francisco Javier González-Barcala

PA3077 Gene-gene interaction networks for SYK in immune cell subsets for allergies and asthma
Li Gao (Baltimore, United States)

PA3078 Interleukin-4 (C590T), Interleukin-6 (174G/C), Interleukin-13 (rs20541) and Tumor Necrotic Factor-α (G308A) Gene Polymorphisms and Clinical Markers as Predictors of Asthma Severity: Insights from a Comparative Study
Mona Al-Ahmad (Kuwait, Kuwait), Asmaa Ali, Mohammad Haider

PA3079 A comparative analysis of circulating miRNA-21 and miRNA-155 in asthma patients versus healthy controls: Insights into potential biomarkers
Ram Niwas (Bathinda, India), Kamala Kant Shukla, Rajani Kumawat, Naveen Dutt, Nishant Chauhan

PA3080 The role of circulating sex hormones in mild-to-moderate asthma: cross-sectional analysis within the Rotterdam Study
Sebastian Riemann (Ghent, Belgium), Layal Chaker, Guy Brusselle

PA3081 Prevalence of IgE sensitization to dog allergen components and the association with clinical outcomes in a cohort of young asthmatics
Nikolaos Tsolakis (Uppsala, Sweden), Viu Blåndal, Christer Janson, Jonas Lidholm, Lars Mattsson, Andrei Malinovschi, Kjell Alving

T Cell Senescence: A Possible New Phenotype in Patients with Asthma
Chun Chang (Beijing, China), Huan Liu

PA3083 Is FeNO a reliable marker for follow-up of patients on anti-IL5 therapy?
Raquel Alexandra Dos Santos Silva (Setubal, Portugal), Joana Marques Simões, Carlos Lopes, Henrique Cabrita, Alda Manique, Cristina Bárbara

PA3084 Serum fatty-acid binding protein is associated with lung function in asthma
Justin Salciccioli (Boston, United States), M Furkan Burak, Ayse Ayci, Gokhan Hotamisligil, Mark Aronica, Mario Castro, Prescott Woodruff, Loren Denlinger, Wendy Moore, Dave Mauger, Bruce Levy, Elliot Israel

PA3085 Exploring SplA-Specific IgE as a Biomarker in Late-Onset Asthma Patients
Ha-Kyeong Won (Seoul, Republic of Korea), Jiwon Lee, Ji-Hyang Lee, Jun-Pyo Choi, Woo-Jung Song

PA3086 Elevated serum IL-36 subfamily levels impact on asthma control
Yuki Hoshino (Saitama, Japan), Tomoyuki Soma, Tsutshiko Uno, Reina Ishii, Kazuki Katayama, Hidetoshi Iemura, Erika Naitou, Yoshitaka Uchida, Kazuyuki Nakagome, Makoto Nagata

PA3087 Elevated Neutrophil-to-Lymphocyte Ratio Is Associated with Severe Asthma Exacerbation
Hana Blibech (Ariana, Tunisia), Line Kaabi, Houda Snene, Donia Belkhir, Sabrine Elfidha, Sirine Khemiri, Bochra Karaborni, Nadia Mehiri, Sameh Belhaj, Nozha Ben Salah, Bechir Louzir

PA3088 Association between red blood cell distribution width and in-ICU mortality in asthmatic patients: A cohort study
Jun Wen (Chongqing, China), Shuliang Guo
**PA3089**
Characteristics of severe asthma patients requiring ICU treatment across the SHARP CRC

**PA3090**
Platelet degranulation is associated with respiratory morbidity in COPD
Ashraf Fawzy (Baltimore, United States), Vickram Tejwani, Nirupama Putcha, Erin Capodanno, Obiageli Offor, Cheng Ting Lin, Franco D’Alessio, Nauder Faraday, Nadia Hansel

**PS-16**
**Session 305**
**12:30 - 14:00**
Poster session: Lung function and lung function-associated respiratory health outcomes

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

**Method(s):** Pulmonary function testing, Epidemiology, Public health, Pulmonary rehabilitation

**Tag(s):** Clinical

**Chairs:** Brendan Cooper (Edgbaston (Birmingham), United Kingdom)

**PA3091**
How to define the LLN in spirometry: associations of different percentile thresholds with respiratory symptoms and mortality
Lucia Cestelli (Bergen, Norway), Knut Stavem, Ane Johannessen, Amund Gulsvik, Rune Nielsen

**PA3092**
Estimation of lung function decline from the longitudinal COSYCONET cohort: does drop-out information matter?
Rolf Holle (Munich, Germany), Tobias Niedermaier, Rudolf Jöres, Peter Alter, Claus Vogelmeier

**PA3093**
What defines spirometry: pulmonary and extrapulmonary traits behind spirometric patterns
Charmaine J. M. Helk-Lim (Vienna, Austria), Christoph Gross, Tobias Mraz, Sylvia Hartl, Marie-Kathrin Breyer, Robab Breyer-Kohansal, Emiel F. M. Wouters

**PA3094**
Association between handgrip strength and lung function indices in the UK Biobank.
Claudia Flexeder (Neuherberg, Germany), Franziska Kirchner, Elisabeth Thiering, Carla Harris, Marie Standl, Dennis Nowak, Annette Peters

**PA3095**
Airflow limitation among young adults in Europe: A preliminary analysis in a Chronic Airway Diseases Early Stratification (CADSET) collaboration including 109 216 individuals across seven population-based cohorts
Shoaib Afzal (Herlev, Denmark), Yunus Çolak, James Allinson, Maarten Van Den Berge, Debbie Jarvis, Arnulf Langhammer, Eva Rönmark, Judith M. Vonk, Sigrid A. Aalberg Vikjord, Helena Backman, Anne Lindberg, Peter Lange, Børge G. Nordestgaard, Lowie E. G. W. Vanfleteren, Jørgen Vestbo, Jadwiga A. Wedzicha, Erik Melén, Álvar Agusti, Rosa Faran

**PA3096**
Incidence and survival of Interstitial Lung Diseases in the UK in 2000-2022: real-world data from the OPCRD primary care database.
Francesca Gonnelli (Ancona, Italy), Neva Eleangovan, Ursie Smith, Vydia Navaratnam, Tamera J Corte, David B. Price, Victoria Carter, Martina Bonifazi, Richard Hubbard

**PA3097**
Longitudinal transitional states of spirometric patterns: the LEAD study
Charmaine J. M. Helk-Lim (Vienna, Austria), Christoph Gross, Tobias Mraz, Sylvia Hartl, Marie-Kathrin Breyer, Robab Breyer-Kohansal, Emiel F. M. Wouters

**PA3098**
Staging of airflow limitation according to GOLD, ERS/ATS, STAR and FEV1Q differ in relation to mortality
Helena Backman (Luleå, Sweden), Anders Lundquist, Linnea Hedman, Caroline Stridsman, Eva Rönmark, Anne Lindberg

**PA3099**
Relationship of Body Compartments and Lung Function in Adults and Elderly.
Christoph Gross (Vienna, Austria), Alina Ofenheimer, Emiel F. M. Wouters, Mohammad Azizzadeh, Sylvia Hartl, Robab Breyer-Kohansal, Marie-Kathrin Breyer

**PA3100**
Effects of alcohol consumption from early adolescence on FEV1: A retrospective cohort study
Mathias Therkelsen (Aalborg Øst, Denmark), Line Bjerringhave Nielsen, Ulla Møller Weinreich

**PA3101**
Asthma, but not allergic sensitization, is associated with impaired lung function in young adulthood - a longitudinal population based study
Eva Rönmark (Luleå, Sweden), Joakim Bunne, Anders Bjerg, Linnea Hedman

**PA3102**
Investigating the causal effects of insomnia on lung function: a two-sample Mendelian randomisation study
Laxmi Bhattacharya (Trondheim, Norway), Sweta Pathak, Sigrid Anna Aalberg Vikjord, Arnulf Langhammer, Ben Brampton, Linn Beate Strand, Ismail Cüneyt Güzey

**PA3103**
The Association of dyspnoea and quality of life in the BOLD study
Alexander Müller (Wien, Austria), Emiel F.M. Wouters, Daisy J.A. Janssen, André F.S. Amaral
PA3104 The prognostic impact of smoking and BMI in interstitial lung diseases: real-world data from primary care.
Francesca Gonnelli (Ancona, Italy), Neva Eleangovan, Ursie Smith, Vydia Navaratnam, Tamera J. Corte, David B. Price, Victoria Carter, Martina Bonifazi, Richard Hubbard

PA3105 Respiratory symptoms in Mauritius are related to ethnicity and level of education
Ulfr Nilsson (Umeå, Sweden), Anders Blomberg, Sudhir Kowlessur, Jaakko Tuomilehto, Stefan Söderberg

PA3106 French pneumologists suffered from impaired health and quality of life due to their work

PA3107 Clinical profile and course of children with postinfectious bronchiolitis obliterans (PIBO) from a tertiary care hospital in Nepal
Jagat Jeevan Ghimire (Kathmandu, Nepal)

PA3108 Baseline pulmonary function in patients with Severe Asthma in Spain according to biological treatment use: BREATHE study
Iñigo Ojanguren Arranz (SANT CUGAT DEL VALLÉS, Spain), Manuel Rial, Gema Monteagudo, José Julio Jiménez, Francisco Ramos, Gema Niza, Javier Nuevo Rivero

PA3109 Prevalence of asthma among adult population in Western provinces, Mongolia
Naidansuren Tuvshintur (Ulaanbaatar, Mongolia), Bandi Solongo, Sonomjamts Munkhbayarlakh, Tsendeekhuu Naidansuren

PA3110 Effect of vaccination on the severe forms of COVID-19 disease: results from the hospitalized cohort in Sahlol University Hospital-Tunisia
Arwa Neffati (Tunis, Tunisia), Hela Gali, Sana Bhiri, Habiba Ben Hamada, Balsam Kacem, Mohamed Ben Rejeb, Asma Ben Cheikh, Mohamed Kahloul, Walid Naja, Halim Trabelsi, Houyem Said

PS-17 Session 306 12:30 - 14:00
Poster session: Occupational and environmental airway diseases

Disease(s) : Airway diseases
Method(s) : Epidemiology Public health General respiratory patient care Pulmonary function testing
Tag(s) : Clinical
Chairs : Giovanni Viegi (Pisa (PI), Italy)

PA3111 Occupational exposures and rhinitis in the population-based CONSTANCES cohort
Laurent Orsi (Paris, France), Marine Savouré, Guillaume Sit, Marcel Goldberg, Yuriko Iwastubo, Celine Ribet, Marie Zins, Nicole Le Moual, Rachel Nadif, Orianne Dumas

PA3112 Nonspecific bronchial hyperresponsiveness and eosinophilic airway inflammation predict occupational asthma to HMW agents but not to LMW agents
Ollipekka Kailari (Helsinki, Finland), Jussi Lantto, Irmeli Lindström, Hille Suojalehto

PA3113 Occupational asthma patients’ long-term employment
Irmeli Lindström (Helsinki, Finland), Jussi Lantto, Hille Suojalehto

PA3114 Non-Smokers COPD have a Dominant Imaging Phenotype of Chronic Bronchitis and less Emphysema
Einat Fireman Klein (HAIFA, Israel), Ola Efimovski, Nili Stein, Yochai Adir, Michal Shteinberg

PA3115 COPD prevalence and characteristics in a random sample of workers
Sasho Stoleski (Skopje, North Macedonia), Jordan Minov, Dragan Mijakoski, Aneta Atanasovska, Dragana Bislimovska

PA3116 ‘30 years of SHIELD’ – an overview and update on surveillance of occupational asthma in the West Midlands, United Kingdom
Kimberley Nettleton (Birmingham (West Midlands), United Kingdom), Gareth I. Walters, Christopher C. Huntley, Vicky C. Moore, Samuel Wallbanks, Arun Vellore, Alastair S. Robertson, P. Sherwood Burge

PA3117 Exposure to mixtures of cleaning products is linked to asthma and lung function deficits
Xin Dai (Truganina (VIC), Australia), Michael Abramson, Garun Hamilton, Bruce Thompson, Cecily Svanes, Geza Benke, Sonia Kaushik, Shyamali Dharmage, Caroline Lodge

PA3118 Respiratory symptoms, COPD, and work ability in workers exposed to phenolic resins
Dragan Mijakoski (Skopje, North Macedonia), Sasho Stoleski, Jordan Minov

PA3119 Occupational respiratory diseases in Ukraine.
Oksana Karasova (Dnipro, Ukraine), Viktoria Rodionova, Liudmila Glyniana, Olenena Kovalenko
PA3120  Allergen-specific IgE sensitization and occupational exposure to irritants
Nicolas Migueres (Strasbourg, France), Orianne Dumas, Anne Boudier, Jean Bousquet, Raphaëlle Varraso, Rachel Nadif, Frédéric De Blay, Nicole Le Moual, Valérie Siroux

PA3121  Risk factor affecting symptoms of respiratory disorder in palm oil mill workers at PT.X Banyuasin Regency
Muhtia Mahderina Cahyani (Solok, Indonesia), Miranti Dewi Pramaningtyas, Vita Widyasari

PA3122  Effects of physical activity, air pollution, and inhaled dose on lung function in 6–9-year-old children
Sarah Koch (Barcelona, Spain), Sandra Marquez, Jose Urquiza, Norun Hjertager Krog, Berit Brunstad Granum, Gunn Marit Aasvang, Marina Vafeiadi, Rosie Mceachan, Sandra Andrusiaityte, Regina Grazuleviciene, Maribel Casas, Valérie Siroux, Judith Garcia-Aymerich, Mark Nieuwenhuijsen, Martine Vrijheid

PA3123  Increased Risk of Severity in COPD with Eosinophilic Inflammation due to Air Pollution Exposure
Huan Minh Tran (Taipei, Taiwan), Hsiao-Chi Chuang, Amja Manullang, Shu-Chuan Ho, Kang-Yun Lee, Kuan-Yuan Chen, Tzu-Tao Chen, Chien-Hua Tseng, Kian Fan Chung

PA3124  Influence of particulate matter pollution on emergency department visits for COPD exacerbations. A time series.
Claudia Beigveder (Valladolid, Spain), Tania Alvaro de Castro, Karla Cordero Camacho, Tomás Ruiz Albi, Fernando Díez Gil, Angela Álvarez Suárez, Raúl López Izquierdo, Fernando Moreno, Daniel Álvarez González, Roberto Hornero Sanchez, Felix Del Campo Matía

PA3125  Airborne pollen and hospital admissions for asthma: daily time series
Amy Hai Yan Chan (Auckland, New Zealand), Rashi Bhalla, Laura Mcdonald, Natasha Ngadi, Stuti Misra, Rewi Newnham, Kat Holt

PA3126  Long-term ozone exposure and COPD assessment test (CAT) score: findings from the China Pulmonary Health Study
Xueyan Han (Beijing, China), Zhaoyang Pan, Ke Huang, Tianjia Guan, Ting Yang, Chen Wang

PA3127  Temperature in the workplace and respiratory health status: an analytical epidemiological survey in Italy
Giuseppe Sarno (Pisa (PI), Italy), Sandra Baldacci, Anna Angino, Ilaria Stanisci, Sofia Tagliaferro, Giovanni Vegi, Carolina Mensi, Lucia Miligi, Stefania Massari, Claudio Garaizzo, Michela Bonafede, Annibale Biggeri, Dolores Catelan, Sara Maio

PA3128  Effect of the inhaled dose of air pollution on respiratory health: a systematic review
Alicia Josa-Culleré (Barcelona, Spain), Aslihan Çakmak, Judith Garcia-Aymerich, Ioar Rivas, Sarah Koch

PA3129  Associations between long-term exposure to air pollution and lung function in the LEAD general population study
Hicran Altug (Düsseldorf, Germany), Sarah Lucht, Lilian Tzivian, Katherine Ogurtsova, Alina Ofenheimer, Ahmad Karimi, Mohammad Azizzadeh, Tobias Mraz, Emiel F.M. Wouters, Sylvia Hartl, Barbara Hoffmann, Robab Breyer-Kohansal, Marie-Kathrin Breyer

PA3130  Hospitalizations of COPD patients and the level of air pollution and meteorological conditions in Poland in 2012-2019
Mateusz Jankowski (Warsaw, Poland), Bogdan Bochenek, Joanna Wieczorek, Marta Gruszczyńska, Piotr Sekuła, Michał Ziemiański, Adam Jaczewski, Andrzej Wyszogrodzki, Jarosław Pinkas, Mariusz Figurski

PS-18  Session 307  12:30 - 14:00
Poster session: Asthma during childhood: risk factors, lifestyle and comorbidities

Disease(s): Airway diseases, Interstitial lung diseases
Method(s): Epidemiology, Public health, Pulmonary function testing, General respiratory patient care, Cell and molecular biology
Tag(s): Clinical

Chairs: Ruth Grychtol (Hannover, Germany), Helen Hanstock (Östersund, Sweden)

PA3131  Early-life lower respiratory tract infection (LRTI) and risk of school-age asthma - A population-based cohort study
Åsne Myklebust (Heimdal, Norway), Henrik Døllner, Kristine Pape, Tormod Rogne, Kari Risnes

PA3132  Clinical predictors of non-acute airflow obstruction in children with asthma
Francine Ducharme (Montréal (QC), Canada), Anna Smyrnova, Melissa Yu

PA3133  Relationship between Fast food and Prevalence of Bronchial Asthma
Yoko Murakami (Hiroshima City, Japan), Hiroshi Odajima

PA3134  Specific airway resistance according to early maternal Vitamin D status during pregnancy in children aged 5 to 6 years old from the FEPED cohort (RESPIFEPED)
Apolline Gonsard (Paris, France), Fabienne Marquant, Caroline Elie, Muriel Le Bourgeois, Véronique Houdouin, Christophe Delclaux, Nicole Beydon, Adele Bellino, Jean-Claude Souberbielle, Isabelle Sermet Gaudelus, Christophe Delacourt, Alexandra Benachi, Alice Hadchouel
PA3135 Childhood trajectories of asthma, rhinitis, and eczema based on medication use in a Swedish birth cohort
Daniil Lisik (Gothenburg, Sweden), Göran Wennergren, Hannu Kankaanrantta, Rani Basna, Syed Ahmar Shah, Bernt Alm, Frida Strömberg Celind, Emma Goksör, Bright Ibeabughichi Nwari

PA3136 Prospective Testing Bronchial Obstruction Reversibility in Preterm Children: Inhaled betamimetics versus parasympatholytics
Yotam Ophir (Prague, Czech Republic), Jana Tuková

PA3137 Interventions to reduce the impact of outdoor air pollution on asthma: A systematic review.
Sibekezelo Themebelihle Hlophe (Pieternartizburg, South Africa), Reratiwe Mphahlele, Kevin Mortimer, Refiloe Masekela

PA3138 Machine learning approach to identify non-linear contributors to asthma development
Frederikke Rosenvinge Skov (Gentofte, Denmark), Mario Lovric, Bo Chawes, Klaus Stokholm, Klaus Bønnelykke, Ann-Marie Malby Schoos

PA3139 Asthma in primary ciliary dyskinesia: A local airway response rather than a feature of systemic allergic response.
Arthur Owora (Indianapolis, United States), Benjamin Gaston, Nadzeya Marozkina

PA3140 Mode of delivery and neonatal characteristics as risk factors for childhood asthma in Qatar: a case-control study
Khalid Zahraldin (Doha, Qatar), Samah Elshaar, Abdelrahman Babiker, Ahmed Adel, Mohammad A. A.Bayoumi, Manar E. Abdel-Rahman

PA3141 Attention Deficit Hyperactivity Disorder (ADHD) And Atopic Disease in pediatric population. Systematic Review Of The Literature And Meta Analyses
Jean-marc Gilardoni (Nice, France), Sibylle Blanc, Lisa Giovannini-Chami, Thierry Bourrier, Sylvie Leroy, Hervé Caci

PA3142 Asthma and attention deficit hyperactivity disorder in childhood: birth cohort study
Mohammad Talaei Pashiri (London, United Kingdom), Panagiota Pagoni, Anita Thapar, Evie Stergiakouli, Seif O. Shaheen

PA3143 The usefulness of Pediatric Asthma Assessment Score.
suprawee khiewprom (Chiang Mai, Thailand), Harutai Kamalaporn

PA3144 Leukocyte subset variations in wheezing preschool children: distinguishing asthma from transient wheeze
Moniek van Aarle (Eindhoven, Netherlands), Sophie Kienhorst, Jan Damaoiseaux, Begum Sert, Elin Kersten, Michiel Bannier, Rijn Jóbsis, Onno Van Schayck, Peter Merkus, Gerard Koppelman, Edward Dompeling

PA3145 Prevalence of respiratory viruses in paediatric asthma: a systematic review
Sachin Ananth (London, United Kingdom), Gioulianta Alimani, Cristina Boccabella, Ekaterina Khaleva, Graham Roberts, Nikolaos Papadopoulos, Chris Kosmidis, Jørgen Vestbo, Effie Papageorgiou, Apostolos Beloukas, Alexander Mathioudakis

PA3146 The effect of secondhand smoking exposure and IL-17 gene polymorphism on childhood asthma
Berrak Oztosun (Istanbul, Turkey), Aysel Kalayci Yigin, Azer Kilic Baskan, Deniz Ozeker, Haluk Cokugras, Ayse Ayzit Kilinc Sakalli

PA3147 Use of air purifiers in the home to improve asthma outcomes in children and young people (CYP): pilot study follow-up
Karl Holden (Liverpool, United Kingdom), Daniel Hawcutt, Ian Sinha

PA3148 Self-reported tools to assess indoor environmental quality of asthma patients: A scoping review
Prasad Nagakumar (Birmingham (West Midlands), United Kingdom), Dhanusha Punyadasa, Nicola Adderley, Gavin Rudge, Shamil Haroon

PA3149 Prevalence of asthma phenotypes in different age groups – a prospective study
Iva Mihatov Stefanovic (Zagreb, Croatia), Renata Vrsalović

PA3150 Physical activity in overweight children with asthma
Valentina Cvejoska-Cholakovska (Skopje, North Macedonia), Emilija Vlashki, Vesna Velikj Stefanovska

PS-19 Session 308 12:30 - 14:00
Poster session: Thoracic trauma and infective diseases

Disease(s): Respiratory critical care Airway diseases Sleep and breathing disorders Thoracic oncology
Method(s): Pulmonary function testing General respiratory patient care Respiratory intensive care Surgery Public health Epidemiology Imaging
Tag(s): Clinical

Chairs: Giuseppe Cardillo (Roma (RM), Italy), Elene Khurtsidze (Tbilisi, Georgia)
Chest trauma in a non-intensive care unit department: Management and results
Wassim Chaieb (Ariana, Tunisia), Zied Chaari, Jaweher Kammoun, Aymen Ben Ayed, Aly Ben Salem, Abdessalem Bentati, Imed Frikha

Penetrating Thoracic Traumas: Clinical Profile and Management Strategies
Wassim Chaieb (Ariana, Tunisia), Ali Ben Salem, Zied Chaari, Aymen Ben Ayed, Abdessalem Bentati, Imed Frikha

Management of pleural empyema: The impact of RAPID score and surgery
Wassim Chaieb (Ariana, Tunisia), amina abdelkbir, Chiraz Albouzid, Ines Moussa, Imen Bouassida, Mahdi Abdennadher, Nizar Fitouhi, Hazem Zribi, Adel Marghli

Treatment of flail chest using a simple and inexpensive costal osteosynthesis technique
Emma Benjemaa (Tunis, Tunisia), Mohamed Sadok Boudaya, Selma Madhi, Yosr Ben Attig, Feriel Souissi, Malek Rammeh, Anis Ben Dhaou, Kahena Bouzid, Haifa Zaibi

Surgical Treatment of Hydatid Cyst of the Hepatic Dome via Transdiaphragmatic Approach.
Emma Ben Jemia (Tunis, Tunisia), Mohamed Sadok Boudaya, malak Rammeh, Yosr Ben Attig, Feriel Souissi, Selma Madhi, Anis Ben Dhaou, Mariem Bouchekoua, Haifa Zaibi

Major Lung Resections in the Management of Tuberculosis: Indications and Outcomes of Pneumonectomy
Aymen Labidi (Tunis, Tunisia), Amina Abdelkbir, Imen Bouassida, Olfa Sassi, Wifek Saidani, Sarra Zairi, Hazem Zribi

Ruptured liver hydatid cyst into the thorax : surgical management and follow up
Wassim Chaieb (Ariana, Tunisia), safa boudabous

(e.g. The role of surgery in chest wall tuberculosis).
Wassim Chaieb (Ariana, Tunisia), -Chiraz -Albouzidi, Bouacida Imen, Lasmer Ahmed, Abdelkbir Amina, Abdennadher Mahdi, Rouis Houda, Fitouhi Nizar, Zairi Sarra, Zribi Hazem, Marghli Adel

VIDEO-ASSISTED THORACOSCOPIC SURGERY FOR PLEURAL DECORTICATION IN EMPYEMA
Selma Madhi (Ariana, Tunisia), Mohamed Sadok Boudaya, Yosr Ben Attig, Malak Rammeh, Feriel Souissi, Anis Ben Dhou, Kehna Bouzid, Haifa Aibi, Emma Ben Jemia

Assessment of Health-Related Quality of Life using the SF-36 in Patients with Diaphragmatic Paralysis: Effects of the Condition and Responses to Phrenic Nerve Reconstruction.
Matthew Kaufman (Shrewsbury, United States), Jimmy Naipaul, Reza Jarrahy, Thomas Bauer, Jeannine Sico, Edward Caruana

Place of minimally invasive surgery in the treatment of pulmonary echinococcosis in children
Wifek SaidaNI (Ariana, Tunisia), Amina Abdelkebir, Siwar Hamdi, Imen Bouacida, Mahdi Abdennadher, Nizar Fitouhi, Sarra Maazaoui, Hazem Zribi, Adel Marghli

Pulmonary aspergilloma : what for thoracic surgery?
Wassim Chaieb (Ariana, Tunisia), safa boudabous

Pseudotumoral pulmonary tuberculosis: surgical experience of a rare entity
Wifek Saidani (Ariana, Tunisia), Imen Bouassida, Mahdi Abdennahder, Safa Boudabous, Amina Abdelkebir, Hazem Zribi, Sonia Ouerghi, Sabrine Ouaicha, Sarra Zairi, Adel Marghli

Is there still a place for pneumonectomy in bronchiectasis?
Wifek SaidaNI (Ariana, Tunisia), Amina Abdelkebir, Olfa Sassi, Imen Bouassida, Mahdi Abdennahder, Nizar Fitouhi, Sarra Maazaoui, Hazem Zribi, Adel Marghli

Descending necrotizing mediastinitis due to esophageal perforation
Mouna Nasri (Sfax Sud, Tunisia), Imen Bouassida, Amina Abdelkebir, Hazem Zribi, Houda Rouis, Nizar Fitouhi, Sarra Zairi, Mahdi Abdennadher, Adel Marghli

Management of secondary pleural hydatidosis: a 30-year experience
Ahmed Lasmar (Ariana, Tunisia), Imen Bouassida, Wifek Saidani, Mahdi Abdennahder, Amina Abdelkebir, Nizar Fitouhi, Ines Moussa, Hazem Zribi, Adel Marghli

Mediastinal Hydatid cyst: a rare entity
Wassim Chaieb (Ariana, Tunisia), Hamdi Siwar, Abdelkhir Amina, Lasmer Ahmed, Abdennahder Mahdi, Bouacida Imene, Maazaoui Sarra, Zribi Hazem, Marghli Adel

Flexible chest wall reconstruction with Gore-tex or dual prolene mesh: a reliable approach
Ioannis Karampinis (Athens, Greece), Georgia Hardavella, Ioannis Kyritsis, Antonios Katsipoulakis, Nikolaos Anastasiou
**PS-2 Session 309 12:30 - 14:00**

**Poster session: A world 'snapshot' of pulmonary rehabilitation and other interventions for chronic respiratory disease**

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

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

**Tag(s):** Clinical

**Chairs:** Shrutik Sahasrabudhe (Pune (Maharashtra), India), Talantbek Sooronbaev (Bishkek, Kyrgyzstan)

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**PA3169**

**Navigating Risks: A Retrospective Analysis of Preoperative Spirometry in Urgent Coronary Artery Bypass Grafting for Cardiac Patients**

Joaquín Maritano Furcada (Ciudad Autónoma Buenos Aires, Argentina), Johanna Pincay, Horacio Matías Castro, Juan Arturo Precerutti, Hernán Javier Benito

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**PA3170**

**Costo-vertebral hydatid disease : surgical management and post-operative course**

wifek SAIDANI (Ariana, Tunisia), Imen Bouaïcida, Amina Abdelkebir, Ahmed Lasmer, Mahdi Abdennadher, Sarra Zairi, Houda Rouis, Rahma Ayadi, Hazem Zribi, Adel Marghli

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**PS-2 Session 309 12:30 - 14:00**

**Poster session: A world 'snapshot' of pulmonary rehabilitation and other interventions for chronic respiratory disease**

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

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

**Tag(s):** Clinical

**Chairs:** Shrutik Sahasrabudhe (Pune (Maharashtra), India), Talantbek Sooronbaev (Bishkek, Kyrgyzstan)

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**PA3171**

**Health inequalities: understanding barriers in attending pulmonary rehabilitation**

Steven Harvey (Leicester, United Kingdom), Nikki Gardiner, Emma Chaplin, Sally Singh

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**PA3172**

**Pulmonary rehabilitation for patients with COPD in low- and middle-income countries: a systematic review**

YUE LEI LIM (MELAKA, Malaysia), Soo Chin Chan, Julia Patrick Engkasan

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**PA3173**

**Implementation of Pulmonary Rehabilitation in Jordan: Perspective of Healthcare Professionals.**

Adnan Wshah (Alsalt, Jordan), Nisrin Qatameh, Saad Al-Nassan, Roger Goldstein

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**PA3174**

**Current status of pulmonary rehabilitation and impact on prognosis in patients with IPF in South Korea**

Jeewon Lee (Seoul, Republic of Korea), Jung Hyun Nam, Kyung Joo Kim, Chin Kook Rhee, Joon Young Choi, Yong Suk Jo

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**PA3175**

**Can a web-based Yoga-integrated pulmonary rehabilitation application (app) for COPD be delivered in India?**

Shrutik Sahasrabudhe (Pune (Maharashtra), India), Mark W Orme, Rashmi Padhye, Mahendra Kawedia, Meenakshi Bhakare, Nagesh Dhadge, Mahavir Modi, Zahira Ahmed, Andy Barton, Sundeep Salvi, Sally J Singh

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**PA3176**

**Feasibility and acceptability of home-based pulmonary rehabilitation for individuals with idiopathic pulmonary fibrosis in Delhi, India**


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**PA3177**

**The feasibility and acceptability of culturally appropriate pulmonary rehabilitation for Sri Lankan adults with COPD**

Akiya Randika Jayamaha (Colombo, Sri Lanka), Chamila Perera, Mark W Orme, Ravini S Karunatilake, Ainthra Fernando, Andy Barton, Michael Steiner, Jesse A Matheson, Manifield James, Amy Barradell, Thilan Weerasinge, Maduranga Kumara, Akindra Kariyawasam, Deshani Rishwana, Sachiini Deshapriya, Tharangga Premakumara, Dasun Ruwanpathirana, Dulanjalee Wijesena, Suresh Chathuranta, Ruwin Dias, Thamara Amarasekara, Savithri W Wimalasekera, Sally J Singh

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**PA3178**

**Effectiveness evaluation of the group intervention to improve health and well-being of people after COVID-19 in South Africa**

Nicole Audrey Glover, Handan Wand, Farzana Sathar, Pride Mokome, Nkululeko Mathabel, Sipokazi Taleni, Salome Charalambous, Andrea Rachow, Olena Ivanova

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**PA3179**

**Acceptability of community-based pulmonary rehabilitation in an economically deprived area of Jodhpur, India**

Mahendra Thakor (Jodhpur, India), Vishal Singh, James Manifield, Mark Orme, Pankaj Bhardwaj, Nishant Kumar Chauhan, Amy Barradell, Zahira Ahmed, Yashika Bhati, Jesse Matheson, Andy Barton, Arun Kumar Sharma, Sally Singh

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**PA3180**

**Digital pulmonary rehabilitation intervention in post COVID-19 recovery at primary care hospital in rural Nepal: Experience from resource-limited setting of LMIC**

Aishana Joshi (Lalitpur, Nepal), Regan Shakya, Pankaj Pant

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**PA3181**

**Home-based vs outpatient hospital-based pulmonary rehabilitation in people with chronic obstructive pulmonary disease.**

Sarah Gephine (Pérenchies, France), Gaeëlle Terce, Gilles Brulois, Olivier Le Rouzic, Maxime Leroy, Cécile Chenivesse, Jean-Marie Grosbois
PA3182 Exploring the Promising Impact of Pulmonary Rehabilitation on Gait, Balance, and Cognitive Function in COPD Patients: A Systematic Review and meta-analysis
Mobina Khosravi (Tehran, Islamic Republic of Iran), Mohse Abedi

PA3183 Exploring the potential for music to facilitate exercise adherence in pulmonary rehabilitation: a survey study
Omar Alhothaly (Leicester, United Kingdom), Linzy Houchen-Wolloff, Mark Dunlop, Sally J Singh, Mark W Orme

PA3184 Singing for breathing in COPD and ILD patients: longitudinal qualitative interview study
Natasha Smallwood (Melbourne (VIC), Australia), Lena Ly, Jennifer Philip, Peter Hudson, Nicole Goh, Vanessa Cservid

PA3185 Virtual ethnography of singing for breathing in COPD and ILD patients
Natasha Smallwood (Melbourne (VIC), Australia), Lena Ly, Peter Hudson, Nicole Goh, Jennifer Philip

PA3186 Effect of respiratory biofeedback on effort dyspnea in COPD patients during pulmonary rehabilitation: a pilot study
Giorgio Castellana (Bari (BA), Italy), Gianvito Lagravinese, Serena Tagliente, Maddalena Genco, Gilda Turi, Mattia Nese, Patrizia Guido, Alexandros Ioannis Charitos, Maria Aliani, Mauro Carone, Petronilla Battista

PA3187 Pulmonary rehabilitation in patients diagnosed with non-IPF-fibrosing interstitial lung disease receiving antifibrotic therapy
Pınar Ergün (Ankara, Turkey), Seher Satar, Mustafa Engin Sahin, Zeynep Yesiloğlu

PA3188 The comparison of moderate-intensity continuous training (MICT) with high-intensity interval training (HIIT) rehabilitation programs in patients with interstitial lung disease (ILD)
Atfeh Fakharian (Tehran, Islamic Republic of Iran), Mohsen Abedi, Maryam Sadat Mirenayat, Maryam Koorepazan Moffakhar, Reyhaneh Zahiri

PA3189 Is pulmonary rehabilitation effective when the patient is provided care by a single healthcare professional: concept of a care manager.
Sarah Gephine (Pérenchies, France), Jean-Marie Grosbois, Olivier Le Rouziec, Cécile Chénivesse

PA3190 Outcome measures within exercise-based rehabilitation interventions for people with long-term conditions: an analysis based on an overview of systematic reviews
James Manifield (Leicester, United Kingdom), Grace Dibben, Lucy Gardiner, Hannah Young, Rod Taylor, Sally J Singh, Perform Collaborative Group

PA3191 Pulmonary telerehabilitation for respiratory sequelae post-COVID: RCT preliminary analysis
Jack Reeves (Sydney, Australia), Lissa M. Spencer, Ling-Ling Tsai, Andrew J. Baille, Yuna Han, Regina V.M. Leung, Joshua Bishop, Lauren K. Troy, Tamera J. Corte, Alan K.Y. Teoh, Matthew Peters, Carly Barton, Lynette Jones, Jennifer A. Alison

PA3192 Individuals with persistent symptoms of COVID-19 have worse motivation to exercise
Manuela Karlo (Florianopolis (SC), Brazil), Grasiele Barbosa, Jessica Gutierrez, Isabela Silva, Juliana Araújo, Thiago Matias, Mayer Anamaria

PA3193 Late Breaking Abstract - Low-Cost home Telerehabilitation via videoconferencing in patients with pulmonary hypertension: a protocol for a Feasibility Study
Luciana Malosa Sampaio (São Paulo (SP), Brazil), Luiza Luiza Silva, Flavia Navarro, Jonathan Dalavina, Renata Kelly Da Palma, Ivan Peres Costa

PA3194 Is there a relationship between exercise capacity, fatigue and cognitive impairment in COVID-19 survivors?
Vildan Bayraktaroglu (Istanbul, Turkey), Melda Saglam, Naciye Vardar-Yaglı, Serkan Pekctin, Birsen Pınar Yildiz, Mesut Bayraktaroglu, Esra Ergun Aliş

PA3195 Ergometry and Thoracic Ultrasound to Evaluate a Training Program in Post-Severe Pneumonia Due to SARS-COV-2
Gerard Muñoz Castro (Girona, Spain), Noemi Perelló Martínez, Laia Cendón Panades, Eduard Barrio Herraiz, Gladis Sábat, Salo Baró, Lidia Perendreu Busquets, Ramon Orriols Martinez

PA3196 Mapping of respiratory problems after COVID-19
Carl Emil Hallberg (Solna, Sweden), Alexandra Halvarsson, Annie Svensson, Anna Törnberg, Anna Svensson-Raskh, Michael Runold, Judith Bruchfeld, Monika Fagevik-Olsén, Malin Nygren-Bonnier
Distance covered in the 6-minute walk test and its relationship with the perception of quality of life in post covid 19 patients who required hospitalization
JOHN CASTILLO (PALMIRA, Colombia), Julián Andrés Rivera Motta, Diana Carolina Zambrano, Manuelita Asuncion Velásquez, Lina Marcela Orozco Mejia

Inspiratory muscle training improves aerobic capacity, respiratory strength and quality of life in post-COVID-19 patients
Armele Dornelas De Andrade (Recife (PE), Brazil), Jose Carlos Nobrega Junior, Dairah Xavier, Roberta Cristiane Torres, Magno Formiga, Deivid Silveira, Cyda Reinaux, Shirley Campos, Daniella Brandão, Anna Myra Jaguaribe De Lima

Late Breaking Abstract - Effects of Virtual Reality (VR) Application on Early Stage Vital Signs and Respiratory Parameters in Intensive Care Unit Patients
ÖZGE ECEM ŞENEL (İstanbul, Turkey), Vedat Göken, Elif Örselioğlu, Yusra Nur Tokgoz, Ece Demir, Muhammet Burak Tandoğan, Erdem Ender Bulut, Yasemin Buran Çırak

Prevalence and stability of frailty traits in patients with COPD refraining from PR participation - A 12-month prospective cohort study
Henrik Hansen (Dragør, Denmark), Christina Nielsen, Jeanette Hansen, Charlotte Suppli Ulrik, Nina Skavlan Godtfredsen

Investigating the relationship between balance, functional exercise capacity, and muscle function in children with cystic fibrosis
Cigdem Emirza Cilbir (İstanbul, Turkey), Ayse Ayzit Kilinc Sakalli, Owen William Tomlinson, Craig Anthony Williams, Goksen Kuran Aslan

The relationship of sit-to-stand tests with 6-minute walk test in children with chronic respiratory diseases
Hikmet Uçgun (İstanbul, Turkey), Meltem Kaya, Erkan Cakir, Hilal Denizoglu Külli

Dyspnea-related kinesiophobia in cystic fibrosis: relationship with pulmonary function and respiratory muscle strength
Seda Saka (İstanbul, Turkey), Vildan Bayraktaroğlu, Zeynep Selçuk, Erkan Çakır

Do pulmonary and extrapulmonary characteristics differ between asthmatic and healthy children?
Meltem Kaya (İstanbul, Turkey), Hikmet Uçgun, Betul Gemici Karaaslan, Ayca Kiykim, Hilal Denizoglu Külli

Comparison of respiratory function, exercise capacity, fatigue, and perception of dyspnea in asthmatic children with and without respiratory dysfunction
Hilal Denizoglu Külli (İstanbul, Turkey), Hikmet Uçgun, Meltem Kaya, Hatice Betül Gemici Karaaslan, Ayca Kiykim

The relationship between fatigue severity, functional exercise capacity and quality of life in patients with primary immunodeficiency
Ulas Ar (Ankara, Turkey), Ecran Cinkavuk, Ebru Calik-Kutukcu, Uğur Musabak, Sait Yesillik

Contribution of physiotherapy in primary ciliary dyskinesia diagnostic
Clara Pauly (Liège, Belgium), Romane Bonhiver, Noémie Bricmont, Ammar El Kheir, Françoise Guissard, Rebecca Renson, Olivier Hougrand, Doriane Calmes, Anne-Lise Poirrier, Elisa D'ocampo Martinez, Julie Harvengt, Adeline Jacquot, Renaud Louis, Céline Kempeneers

Association between distance-saturation product and clinical parameters in primary ciliary dyskinesia
Elif Kocaaga (ANKARA, Turkey), Aslıhan Cakmak, Hazal Sonbalar-Ulu, Ebru Calik-Kutukcu, Naciye Vardar-Yaglı, Melda Sağlam, Birce Sunman, Nagehan Emiralioglu, Uğur Özcelik, Deniz İnal-Inçe

Association between arterial stiffness, disease severity, and exercise muscle oxygenation in young adults with cystic fibrosis
Zeynep Soyoglu (Ankara, Turkey), Elif Kocaaga, Oguz Karcioğlu, Ebru Damadoglu, Deniz İnal-Inçe

Association between maximal and submaximal field tests in cystic fibrosis with impaired glucose tolerance
Elif Kocaaga (ANKARA, Turkey), Cemile Bozdemir-Ozet, Dilber Ademhan-Tural, Ebru Calik-Kutukcu, Melda Sağlam, Naciye Vardar-Yaglı, Nagehan Emiralioglu, Ayfer Alkasiyoğlu, Deniz Dogru, Deniz İnal-Inçe

Three (3)-Year Summary of Post COVID-19 Rehabilitation Programme in South West London.
Cielito Caneja (Croydon (Surrey), United Kingdom), Kim Nottingham, Amy Grant
PA3212 Impact of Respiratory Clinical Nurse Specialist attendance in a General Respiratory Clinic
Michelle Angelo Uno (Balbriggan, Ireland), Elaine Hayes

PA3213 Nurse led oscillating positive expiratory pressure (OPEP) and the impact on quality of life using the St George's Respiratory Questionnaire (SGRQ)
Emma Rickards (St Helens (Merseyside), United Kingdom), Clare Kearney, Eleanor Jones, Michela Zanzi

PA3214 A Review and audit of the pulmonary fibrosis nurse led clinic within the UHL hospital group
Paula Ryan (Dooradoyle (County Limerick), Ireland), Carmel Mcinerney, Aidan O'Brien

PA3215 An educational program for home mechanical ventilation in Amyotrophic Lateral Sclerosis.
Federica Riva-Rovedda (Turin, Italy), Alessio Conti, Tiziana Esposito, Giuseppe Tabbia, Paolo Solidoro, Andrea Calvo, Marco Clari, Valerio Dimonte

PA3216 The role of the "nurse navigator" in implementing and operating a lung cancer screening consultation for high-risk smokers
Sally Santisteve Lostes (Ieida, Spain), Marcela Suárez Bustamante, Anna Vila Fornells, Nuria Forms Pairal, María Zuli Moreno, Aida Monge Esqué, Anna Monclusi Moix, Clara Gort Paniello, Marina Asunción Pardina Solano, Virginia García Reglero, Cora Andrea Sampedro Salinas, Mario Montesinos Encalada, Juan Diego Aviles Parra, Natalia Varvará, Carlos Alberto Rombolá, Ferran Barbè Illa, Jessica González Gutiérrez

PA3217 Early specialist intervention and reduced hospital admissions - the benefits of the respiratory ANP in unscheduled care
Sarah Daly (Roscommon, Ireland), Tara Byrne

PA3218 The impact of Nursing Consultation on the management of inhalation therapy
Lucia Méndez González (Santa Maria da Feira, Portugal), Cristina Leite, Catia Caneiras, Jorge Ferreira

PA3219 Training healthcare professionals (HCP) in self-administration of intravenous medication (SA-IVM): Alpha-1-Antitrypsin (AAT) in Portugal
Lucia Méndez González (Santa Maria da Feira, Portugal), Alexandra Carvalho, Conceição Rodrigues, Isabel Matos

PA3220 Care of Adult Patients with Uncontrolled Severe Asthma Receiving Biologics
Shu Wah Ng (Hong Kong, Hong Kong), Pui Fan Chan, Wei Yi Tsang, Chun Lung Lee, Si En Chan, Miranda Tsui, Suet Lai Cheng, Pik Shan Cheung

PA3221 THE ROLE OF THE REHABILITATION NURSE IN EMPOWERING PEOPLE WITH ASTHMA
Liliana Silva (Matosinhos, Portugal), Andreia Patrícia Oliveira Santos

PA3222 EFFECTIVENESS OF 4-WEEK REHABNURSINGASTHMA CONSULTATION ON ASTHMA CONTROL AND QUALITY OF LIFE
Liliana Silva (Matosinhos, Portugal), Andreia Patrícia Oliveira Santos

PA3223 Chronic Respiratory Patient Programme – An integrated model of care
Liliana Silva (Matosinhos, Portugal), Angélica Mota, Lara Lemos, Mariana Santos, Hélder Cunha

PA3224 Understanding Adherence in Pulmonary Rehabilitation: A Multi-Group Analysis
Liliana Silva (Matosinhos, Portugal), Tiago Maricoto, Angélica Mota, Lara Lemos, Mariana Santos, Hélder Cunha, Inês Azvedo, Patricio Costa, José Miguel Padilha

PA3225 Patients with advanced COPD struggle to access the necessary support to manage daily life in a strained healthcare system
Marie Lavesen (Fredensborg, Denmark), Marie Albrectsen Paine, Dorte Gaby Bove

PA3226 Relationship between respiratory exacerbations in patients with Chronic Obstructive Pulmonary Disease (COPD), Asthma and Bronchiectasis and Alpha-1-Antitrypsin Deficiency (AATD) in hospitalized patients.
Laura Ferran Valls (Barcelona, Spain), M Pilar Muñoz Claver, Ester Sánchez Guerra, Pau Marrades Segura, Sara Sorolla Matas, Miriam Arábi Forcada, Pau Belver Colomer, Lidia López Escuredo, Jacobo Sellarés Torres, Xavier Alcina-Restoy, Rodrigo Torres Castro, Rosana Amarro Rodriguez

PA3227 Short-term functionality is related to clinical severity in patients with pulmonary embolism
Laura Lopez Lopez (Granada, Spain), Ana Belén Gámiz Molina, Eva Rubio Calvo, Mauricio Xavier Guilleen Alvarado, Pilar Garcia González, Marie Carmen Valenza

PA3228 Exploring the motivation and needs of sleep apnea patients: Insights from focus group interviews
Camilla Andersen (Hillerød, Denmark), Marian Petersen, Dorte Bove, Anders Broström, Thora Skodshøj Thomsen

PA3229 The effectiveness of respiratory training in idiopathic pulmonary fibrosis: a exercise capacity meta-analysis
Alejandro Heredia Ciuri (Granada, Spain), Javier Martín Núñez, Julia Raya Benítez, Geraldine Valenza Peña, Alejandro Heredia Ciuri, Alba Navas Otero, Marie Carmen Valenza
Motivation and preferences for learning of patients with COPD or asthma and their significant others in pulmonary rehabilitation: a qualitative study

Anouk Muijsenberg (Horn, Netherlands), Sarah Haesevoets, Sarah Houben-Wilke, Jan Tatousek, Joyca Lacroix, Martijn Spruit, Daisy Janssen
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<th>The differing experiences of people living with COPD during the Covid-19 pandemic: an interview study</th>
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<td>Ann Hutchinson (Hull (North Humberside), United Kingdom), Richard Russell, Helena Cummings, Omar Usmain, Sarah Macfadyen, Judith Cohen, Tamsin Morris, Hana Mullerova, Yang Xu, Gary Hellens, Kay Roy, Michael Crooks</td>
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### Poster session: Non-tuberculous mycobacteria diagnostics and treatment updates

**Title:** Immunologic signatures of nontuberculous mycobacterial pulmonary disease  
**Authors:** Nakwon Kwak (Seoul, Republic of Korea), Jaemoon Koh  
**Abstract:** Exploratory BALF analyses reveal a high diversity of microbiome in NTM lung disease and a low diversity of microbiome in bronchiectasis  
**Keywords:** Epidemiology, Cell and molecular biology, General respiratory patient care, Pulmonary function testing, Endoscopy and interventional pulmonology  
**Tags:** Clinical  
**Chairs:** Wouter Hoefsloot (Nijmegen, Netherlands), Inês Tavares Ladeira (Vila Nova de Gaia, Portugal)

| PA3250 | PA3250 | Immune, pulmonary, and respiratory traits of nontuberculous mycobacteria  
**Authors:** Michal Shteinberg (Haifa, Israel), Razi Evan-Dar, Idit Raz, Maya Brodsky, Nili Stein, Yoichi Adir, Walid Saliba, Shifra Ken-Dror, Raya Cohen  
**Abstract:** Non- Tuberculous mycobacterial infection and pulmonary disease rates: a focus on M. simiae  
**Keywords:** Epidemiology, microbiological characteristics and risk factors of non-tuberculous mycobacterial respiratory infections in adult patients with cystic fibrosis  
**Tags:** Clinical  
**Chairs:** Wouter Hoefsloot (Nijmegen, Netherlands), Inês Tavares Ladeira (Vila Nova de Gaia, Portugal)

| PA3251 | PA3251 | Epidemiology, microbiological characteristics and risk factors of non-tuberculous mycobacterial respiratory infections in adult patients with cystic fibrosis  
**Authors:** Zoltán Órlós (Karcag, Hungary), Lilja Katálin Lórinczi, Balázs Antus, Inné Barta, Zsuzsanna Miklós, Ildikó Horváth  
**Abstract:** Nontuberculous mycobacteria from bronchial lavage fluid in bronchiectasis patients: A study from tuberculosis-endemic country  
**Keywords:** Epidemiology, microbiological characteristics and risk factors of non-tuberculous mycobacterial respiratory infections in adult patients with cystic fibrosis  
**Tags:** Clinical  
**Chairs:** Wouter Hoefsloot (Nijmegen, Netherlands), Inês Tavares Ladeira (Vila Nova de Gaia, Portugal)

| PA3252 | PA3252 | Evaluation of Scnn1b-Tg mice as murine model of pulmonary infection with Mycobacterium avium Complex  
**Authors:** Julia Delomez (Neuvillette, France), Antoine Froment, Teddy Grandjean, Francois Peltier, Marie Perret, Jean-Philippe Lanoix, Philippe Gosset  
**Abstract:** Nontuberculous mycobacteria from bronchial lavage fluid in bronchiectasis patients: A study from tuberculosis-endemic country  
**Keywords:** Epidemiology, microbiological characteristics and risk factors of non-tuberculous mycobacterial respiratory infections in adult patients with cystic fibrosis  
**Tags:** Clinical  
**Chairs:** Wouter Hoefsloot (Nijmegen, Netherlands), Inês Tavares Ladeira (Vila Nova de Gaia, Portugal)

| PA3253 | PA3253 | Obser **vational study on the use of subcutaneous recombinant IFN-γ as adjunctive personalized treatment for patients with life-threatening non-tuberculous mycobacteriosis**  
**Authors:** Paola Confalonieri (Trieste, Italy), Serena Maiocchi, Francesco Salton, Barbara Ruaro, Maria Concetta Volpe, Luca Braga, Marco Confalonieri  
**Abstract:** Evaluation of Scnn1b-Tg mice as murine model of pulmonary infection with Mycobacterium avium Complex  
**Keywords:** Epidemiology, microbiological characteristics and risk factors of non-tuberculous mycobacterial respiratory infections in adult patients with cystic fibrosis  
**Tags:** Clinical  
**Chairs:** Wouter Hoefsloot (Nijmegen, Netherlands), Inês Tavares Ladeira (Vila Nova de Gaia, Portugal)

| PA3254 | PA3254 | The important role of perforin against Mycobacterium avium infection in mice  
**Authors:** Masaki Fujita (Fukuoka, Japan), Takato Ikeda, Yuki Sundo, Takemasa Matsumoto  
**Abstract:** Evaluation of Scnn1b-Tg mice as murine model of pulmonary infection with Mycobacterium avium Complex  
**Keywords:** Epidemiology, microbiological characteristics and risk factors of non-tuberculous mycobacterial respiratory infections in adult patients with cystic fibrosis  
**Tags:** Clinical  
**Chairs:** Wouter Hoefsloot (Nijmegen, Netherlands), Inês Tavares Ladeira (Vila Nova de Gaia, Portugal)

| PA3255 | PA3255 | Mental health and nontuberculous mycobacteria infections: a single center retrospective study in Milan  
**Authors:** Vittoria Moscatt (Catania, Italy), Giovanni Funagalli, Grete Francesca Privitera, Alice Claudia Repossi, Maura Spotti, Bruno Santi Cacopardo, Stefano Aliberti, Maurizio Ferrearese, Luigi Ruffo Codecasa  
**Abstract:** Evaluation of Scnn1b-Tg mice as murine model of pulmonary infection with Mycobacterium avium Complex  
**Keywords:** Epidemiology, microbiological characteristics and risk factors of non-tuberculous mycobacterial respiratory infections in adult patients with cystic fibrosis  
**Tags:** Clinical  
**Chairs:** Wouter Hoefsloot (Nijmegen, Netherlands), Inês Tavares Ladeira (Vila Nova de Gaia, Portugal)
Lower respiratory tract microbiome in patients with clinically suspected nontuberculous mycobacterial pulmonary disease to the presence of microaspiration
Yong-Soo Kwon, Chan Woo Park, Eun Jeong Won

Comparison of the sputum microbiome between stable nontuberculous mycobacteria pulmonary disease patient and those requiring antibiotic treatment
minjong song (Seoul, Republic of Korea), Noeul Kang, Su-Young Kim, Dae Hun Kim, Byung Woo Jhun

18F-Fluorodeoxyglucose positron emission tomography/computed tomography for assessing treatment response of nontuberculous mycobacterial pulmonary disease
Yeonseok Choi (Seoul, Republic of Korea), Joon Young Choi, Byung Woo Jhun

Clinical characteristics and treatment outcomes of patients with nontuberculous mycobacterial pulmonary disease in South Gyeongsang Province: A single centre experience
Seong Mi Moon (Seoul, Republic of Korea), Hyun Kyu Cho, Jae Wan Jung, Beomsu Shin, Hyesung Ock, Hyo-In Rhyou

Adverse events in patients treated for Non-tuberculous mycobacteria pulmonary disease: a retrospective observational cohort study
Gina Gualano (Roma (RM), Italy), Serena Maria Carli, Maria Angela V. Licata, Paola Mencarini, Carlotta Cerva, Silvia Mosti, Annelisa Mastrobattista, Pietro Vittozzi, Raffaella Libertone, Virginia Di Bari, Alberto Zolezzi, Carla Fontana, Mazzarelli Antonio, Nisii Carla, Fabrizio Palmieri

Correlation between culture conversion and Quality of Life-Bronchiectasis Respiratory Domain (QOL-B RD) in adults with Mycobacterium avium complex lung disease (MACLD): The ARISE Study
Charles Daley (Denver, United States), James D Chalmers, Korkut Avsar, Dario Andrisani, Luigi Ruffo Codecasa, Kevin Mange, Dayton W Yuen, Monika Ciesielska, Kevin Lovric, Andrea Mocan, Sonja Badovinac, Ivana Marekovic, Mateja Jankovic Makek

Validation of soluble programmed death-1 in predicting progression of nodular-bronchiectatic form of nontuberculous mycobacterial lung disease: a Multi-Country Research
Chin-Chung Shu (Taipei, Taiwan), Sheng-Wei Pan, Kozo Morimoto, Naoto Keicho

Frequency and relevance of nontuberculous mycobacterial isolates in patients with COPD exacerbations
Ene Tolic (Zagreb, Croatia), Dora Darapi Marusic, Matea Skoro, Lorna Corak, Stejpan Smiljanic, Goran Glodic, Tea Lovric, Andreja Mocan, Sonja Badovinac, Ivana Marekovic, Mateja Jankovic Makek

The role of a specialist NTM nurse in a UK NTM centre
Nicola Smallcombe (London, United Kingdom), Akanksha Malhotra, Catherine Heckman, Prasheena Naran, Alasdair Frater, Stephen Joseph, Heinke Kunst

The effect of utilization of intravenous antibiotic for Mycobacterium abscessus on outcome of treatment
Farshad Baghaei Shiva (Tehran, Islamic Republic of Iran), Najed Marjani, Afshin Moniri, Zahra Abtahian, Payam Tabarsi

Antigen-specific HLA-DR activation marker on functional T-cells associated with progressive non-tuberculous mycobacterial lung disease (NTM-LD)
Patricio Escalante (Rochester, United States), Balaji Pathakumari, Pedro Arias-Sanchez, Snigdha Karnakoti, Kale Daniel, Virginia Van Keulen, Mounika Reddy Vadiyala, Paige Marty, Tobias Peikert

Airway epithelial gene expression unveils the pathogenesis of Mycobacterium avium complex lung disease
Koji Furuchhi (Kiyose, Tokyo, Japan), Minako Hijikata, Shintaro Seto, Akiko Miyabayashi, Keiko Wakabayashi, Takayuki Nakagawa, Tsutomu Yoshida, Kiyomi Shimoda, Miyako Hiramatsu, Yuji Shiraishi, Kozo Morimoto, Naoto Keicho

Efficacy of sulfamethoxazole metal complexes against resistant strains of mycobacterium tuberculosis: design, synthesis, characterization, and docking studies
Arzoo Akbar (Karachi, Pakistan), Somia Gul, Malwisha Akhtar

Nocardia spp. isolation in chronic lung diseases: pulmonary nocardiosis versus colonization - a comparative analysis
Maricela Cascais (Porto, Portugal), Catarina Sousa, Mariana Serino, Margarida Redondo, Teresa Carvalho, Manuela Ribeiro, Angélica Ramos, Adelina Amorim

Poster session: Atypical and complex respiratory infections

Disease(s) : Airway diseases, Respiratory critical care
Method(s) : Epidemiology, Cell and molecular biology, General respiratory patient care, Respiratory intensive care, Endoscopy and interventional pulmonology, Public health, Imaging, Pulmonary function testing
Tag(s) : Clinical, Translational
Chairs : Miriana d'Alessandro (Siena, Italy), Sarah Diver (Nottingham, United Kingdom)

Antigen-specific HLA-DR activation marker on functional T-cells associated with progressive non-tuberculous mycobacterial lung disease (NTM-LD)
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Nocardia spp. isolation in chronic lung diseases: pulmonary nocardiosis versus colonization - a comparative analysis
Maricela Cascais (Porto, Portugal), Catarina Sousa, Mariana Serino, Margarida Redondo, Teresa Carvalho, Manuela Ribeiro, Angélica Ramos, Adelina Amorim
PA3273 Analysis of pulmonary metabolomic homeostasis in pneumocystis pneumonia
Wenjie Bian (Beijing, China), Wenyi Yu, Yukun He, Xinqian Ma, Zhancheng Gao

PA3274 Risk factors for COVID-19 associated pulmonary aspergillosis and outcomes in a respiratory sub-intensive care unit
ALESSANDRA IACOVELLI (Roma, Italy), Alessandra Oliva, Flavio Marco Mirabelli, Silvia Giannone, Marianna Laguardia, Matteo Morviducci, Maria Luisa Nicolardi, Emma Repaci, Maria Teresa Sanzari, Cristiana Leanza, Giammarco Raponi, Claudio Mastroianni, Paolo Palange

PA3275 Immunological Mechanisms of CD4+T Lymphocyte Exhaustion in Disseminated Cryptococcal Infection
Zhengtu Li (Guangzhou, China), Yongming Li, Feng Ye

PA3276 Bronchiectasis and Aspergillus: a complex relationship single centre analysis
Francesco Bertuccio (Pavia, Italy), Nicola Baio, Simone Montini, Vittorio Chino, Valentina Ferroni, Lucrezia Pisanu, Marianna Russo, Ilaria Giana, Federica Albicini, Amelia Grosso, Erica Gini, Valentina Conio, Alessandro Cascina, Giulia Accordino, Angelo Guido Corsico

PA3277 Prevalence of chronic pulmonary aspergillosis misdiagnosed as microbiologically negative pulmonary tuberculosis
Kshitij Agarwal (New Delhi (Delhi), India), Praveen Kumar Singh, Gargi Rai, Jaya Malik, Shukla Das

PA3278 Hydatid disease: Knowledge of paramedics
Olfa Ben Moussa (Tunis, Tunisia), Yassine Foudhaili, Naziha Jlail, Neila Maaroufi, Aouadi Samira

PA3279 Pleural Tuberculosis: Characteristics and Management
Wassim Chaieb (Ariana, Tunisia), safaa boudabbous

PA3280 Genetic support of the causal relationship between COVID-19 and aspergillosis: A two-sample mendelian randomization study
Yanmei Feng (Chongqing, China), Jinwei Jia, Rui Guo

PA3281 Clinical presentation, risk factors and outcomes in chronic pulmonary aspergillosis: evidences from a tertiary care hospital
Oxana Munteanu (Chișinău (Chișinău), Republic of Moldova), Doina Rusu, Aliona David, Victor Botnaru

PA3282 A retrospective study of incidence of COVID-19 associated pulmonary aspergillosis who are admitted to different department
Yuping Li (WenZhou (ZheJiang), China), Lijing Xia, Pengcheng Lin, Shanshan Su, Ying Zhou

PA3283 Clinical factors in Chronic Pulmonary Aspergillosis and its mortality – retrospective analysis of 5 years of a single center
Nuno Manuel Barbosa De Barros Ferreira (Paredes, Portugal), Ana Castelo Grande, Marvin Oliveira, Cláudia Sofia Pinto, Ana Cláudia Pimenta, Francisco Cadarso

PA3284 Pulmonary microbiology in adults with non-cystic fibrosis bronchiectasis: A systematic review and meta-analysis
Yuanyuan Wang (Stockholm, Sweden), Jingmin Xiao, Xiaolin Yang, Yanmin Liu, Juan Du, Xi Zhang, Guobin Su, Lei Wu, Zhongde Zhang, Cecilia Stålsby Lundborg

PA3285 A validation study of BM-AspICU algorithm for diagnosing invasive pulmonary aspergillosis in critically ill patients using post-mortem minimally invasive tissue sampling
Animesh Ray (new delhi, India), Anuj Ajaybabu, Deepali Jain, Gagandeep Singh, Immaculata Xess, Naveet Wig

PA3286 Evaluating BAL galactomannan in aspergillus lung infections: A Prospective Observational Study"
Shyam Krishnan (Kolkata (West Bengal), India), Sourav Chakraborty, Shubham Sharma, Beauty Biswas, Raja Dhar

PA3287 Clinical practice regarding Pneumocystis pneumonia in Japan: A nationwide web-based survey by the Japanese Respiratory Society
Sadatomo Tasaka (Hirososaki, Japan), Kei Nakashima, Tetsutarō Nagaoka, Yuka Sasaki

PA3288 Geographic variation in environmental Aspergillus and clinical outcomes in COPD
Pei Yee Tiew (Singapore, Singapore), Janice M Leung, Micheal Mac Aogain, Tavleen Kaur Jaggi, Xaverius Ivan Fransiskus, Augustine Tee, Albert Yick Hou Lim, Mariko Siyue Koh, John Abiseghanaden, Stephen C Schuster, Christopher Carlsten, Sanjay H Chotirmall

PS-25 Session 315 12:30 - 14:00
Poster session: Advances in respiratory infection epidemiology: knowledge at the population scale

Disease(s) : Airway diseases, Respiratory critical care
Method(s) : General respiratory patient care, Pulmonary function testing, Epidemiology, Public health, Imaging, Respiratory intensive care
Tag(s) : Clinical
Chairs: Natalia El-Merhie (Giessen, Germany), Sabine Stadler (Lausanne, Switzerland)

**PA3289**
The association between time-weighted remnant cholesterol and respiratory-related mortality: A population-based cohort study
Gary Tse (Homantin, China), Lifang Li, Vanessa Chou, Oscar Chou, Sakshi Roy, Jeffrey Chan, Jack Wong, Tong Liu, Gregory Lip, Bernard Cheung, Jiandong Zhou

**PA3290**
Health-care resource utilisation and cost one year after hospitalisation among patients hospitalised with viral lower respiratory tract disease: A descriptive US claims analysis
Ekaterina Maslova (Reading, United Kingdom), Malin Fageras, Nadir Yehya, Susan Johnson, Gopal Dalal, Hashmath Ulla Syed, Joanne Mcpeake

**PA3291**
Health-care resource use and cost one year after hospitalisation among patients admitted with viral lower respiratory tract disease by viral aetiology: A descriptive US claims analysis
Ekaterina Maslova (Reading, United Kingdom), Malin Fageras, Nadir Yehya, Susan Johnson, Gopal Dalal, Hashmath Ulla Syed, Joanne Mcpeake

**PA3292**
Trends in Triazole Therapy and Mortality Rates Among Hospitalized Chronic Pulmonary Aspergillosis Patients: A Nationwide Observational Study in France
Thomas Maitre (Paris, France), Jonathan Cottenet, Cendrine Godet, Philippe Bonniaud, Catherine Quantin, Jacques Cadranel

**PA3293**
Geographical differences in the airway microbiota of COPD patients across the UK
Hollian Richardson (Dundee, United Kingdom), Ellie Kewin, Daniela Alferes De Lima Headley, Chandani Hennayake, Alison J Dicker, James D Chalmers

**PA3294**
RSV-associated clinical outcomes: A decade of insight from 52 million people across Europe
Katia Mc Verhamme (Rotterdam, Netherlands), Johnmary T. Arinze, Miguel Mayer, Guillaume Verdy, Maarten Van Kessel, Juan-Manuel Ramirez-Anguita, Angela Leis, Marek Oja, Raivo Kolde, Antonella Delmestri, Hezekiah Omulo, Laura Pérez-Crespo, James Brash, Dina Vojinovic, Hanne Ballegooijen, Sarah Seager, Talita Duarte-Salles

**PA3295**
Nonalcoholic Fatty Liver Disease Increases the Risk of Lung Abscess: Findings from a Nationwide Cohort Study
Eunso Lee (Sejong, Republic of Korea), Sung Yong Yoon, Jungok Kim

**PA3296**
Risk factors for community-acquired pneumonia in older adults after the introduction of childhood 13-valent pneumococcal conjugate vaccine: A multi-center case-control study in Japan
Naoki Inoshima (Kamogawa-shi, Japan), Kei Nakashima, Kanzo Suzuki, Kyoko Kondo, Satoko Ohfuji, Wakaba Fukushima, Yoshio Hirota

**PA3297**
Evolution of S. pneumoniae serotype distribution in adults with CAP in Switzerland
Samuel Etienne (Basel, Switzerland), Werner Albrich, Mathias Pletz, Marcus Panning, Vivian Suarez Domenec, Frank Eberhardt, Grit Barten-Neiner, Daiana Stolz

**PA3298**
Respiratory infections in patients receiving Immune Checkpoint Inhibitors using the World Health Organization pharmacovigilance database - VigiBase
Thomas Maître (Paris, France), Virginie Ferry, Kevin Bihan, Anthony Canellas, Cendrine Godet, Jacques Cadranel

**PA3299**
Seasonality of respiratory viruses and viral co-infection across two winter seasons in the UK.
Martha Purcell (Shoreham by Sea, United Kingdom), Tommaso Morelli, Olivia Cox, Paul Lee, Kerensa Thorne, Charlie A K Roberts, Angelica Cazaly, William Herbert, Emma Tilt, Emma Knox, Alexander Allen, Jacqueline Nuttall, Monika Gil, Matthew Pavitt, James Myerson, Stefan Marciniak, Neil Greening, Michael Crooks, Salman Siddiqui, Cyrus Daneshvar, Tristan Clark, Anna Freeman, Tom Wilkinson

**PA3300**
Epidemiology, burden and clinical course in RSV-infected older adults in the outpatient setting in Germany
Christopher Alexander Hinze (Hannover, Germany), Grit Barten-Neiner, Frank Eberhardt, Laura Grebe, Rachel Reeves, Pavo Marijam, Paul Schmidt, Manuela Sierl, Alen Marijam, Marcus Panning, Roland Diel, Gernot Rohde

**PA3301**
Rhinovirus (RhV) infection in hospitalised adults
Tommaso Morelli (Southampton, United Kingdom), Martha Purcell, Olivia Cox, Paul Lee, Charles Roberts, Kerensa Thorne, Emma Tilt, William Herbert, Alexander Allen, Jacqueline Nuttall, Michael Crooks, Neil Greening, Salman Siddiqui, Stefan Marciniak, Cyrus Daneshvar, Monika Gil, Matthew Pavitt, James Myerson, Anna Freeman, Tristan Clark, Tom Wilkinson

**PA3302**
The frequency of respiratory diagnoses was significantly higher for cases than for controls before the pandemic, a case-control study of all adults in Region Stockholm with a registered PASC diagnosis.
Pia Lindberg (Tyresö, Sweden), Gunnar Ljunggren, Seika Lee, Axel C. Carlsson, Åsa Wheelock

**PA3303**
Clinical characteristics of patients one year after hospitalisation for viral lower respiratory tract disease by viral aetiology: A descriptive US claims analysis
Malin Fageras (Molndal, Sweden), Ekaterina Maslova, Joanne Mcpeake, Susan Johnson, Gopal Dalal, Hashmath Ulla Syed, Nadir Yehya
**PA3304** Is each flu season always the same?  
Aycan Yüksel (Ankara, Turkey), Dorina Esendağlı, Tuğba Yanık Yalçın, Özlem Kurt Azap, Gaye Ulubay

**PA3305** Impact of respiratory syncytial virus (RSV) disease on the quality of life (QoL) of older adults in Europe  
Desmond Curran (Wavre, Belgium), Theo Last, Rosa Prato, Marek Mital, Silvia Narejos Pérez, Georg-Eike Böhme, Paul Torres Gutiérrez, Charles Bundy, Susannah Eyre, Philip Joosten, Shubhangi Gawade, Sean Matthews, Eliazar Sabater Cabrera, Daniel Molnar

**PA3306** Severe COVID-19: how are these patients today  
Sara Andreia Góis Morgado (Esposende, Portugal), Margarida V. Matias, Eva Brysch, Ana Alves Santos, João Torres, Marta Rebelo, Eduarda Carmo, Fernando Nogueira

**PA3307** Smoking and COVID 19 infection: What impact?  
Hamida Kwas (Gates, Tunisia), Sabrine Majdoub Fehri

**PA3308** Predictors, patterns and outcomes of Human Metapneumovirus in a hospitalized cohort.  
Maraed Rosa (Melbourne, Australia), Benjamin Leaver, Justin Tu, Megan Rees

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**PS-26** Poster session: Bronchiectasis across the life course

**Session 316** 12:30 - 14:00

**Disease(s)**: Airway diseases

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

**Tag(s)**: Clinical

**Chairs**: Amelia Shoemark (Dundee (Angus), United Kingdom), Gimano Amatngalim (Utrecht, Netherlands)

**PA3309** Risk Stratification in Paediatric Primary Ciliary Dyskinesia (PCD)  
Anne Armitage (Leicester, United Kingdom), Svetlana Dubkova, Julie Simpson, Rajinder Kang, Natalie Lemming, Hannah Harding, Priti Kenia, Deepa Patel

**PA3310** RhDNase improves quality of life and reduces exacerbations in primary ciliary dyskinesia  
Moshe Heching (Raanana, Israel), Liora Slomianksy, Joel Weinberg, Mordechai Mordechai Kramer

**PA3311** Exhaled breath analysis in cystic fibrosis to detect Staphylococcus Aureus in the lungs.  
David Mager (Amsterdam, Netherlands), Paul Brinkman, Bades Manai, Marleen Bakker, Lieke Kamphuis, Tjeerd Van Der Veer, Eralin Van Horssen, Yasin Demir, Lisa Simmers, Eric Haarman, Anke-Hilse Maitland-van Der Zee, Hettie Janssens

**PA3312** Temperature modifies ciliary beating in healthy subjects, but also in PCD and non-PCD patients  
Noemie Bricmont (Liège, Belgium), Romane Bonhiver, Lionel Benchimol, Olivier Hougraud, Julie Hervent, Elisa Docampo Martinez, Adeline Jacquinet, Clara Pauly, Anmar El Kheir, Françoise Guissard, Catherine Moermans, Doriane Calk, Anne-Lise Poirier, Renaud Louis, Céline Kempeneers

**PA3313** Long-term lung function and Pseudomonas aeruginosa in genotyped primary ciliary dyskinesia  
Mathias G. Holgersen (Copenhagen, Denmark), June Kehlet Marthin, Johanna Raitt, Tavs Qvist, Helle Krogh Johansen, Heymut Omran, Kim Gjerum Nielsen

**PA3314** Percentage Ciliation in Bronchiectasis Patient Upper and Lower Airways  
Erin Cant (Dundee, United Kingdom), Morven Shuttleworth, Emma Johnson, Thomas Pembbridge, Lucy Bidgood, Holly Lind, Megan L Crichton, Katelyn Wiligorska, David W Connell, Helen Liddicoat, Merete Long, Adam Platt, Maria Belvisi, Kristoffer Ostridge, James D Chalmers, Amelia Shoemark

**PA3315** Variability of lung function tests in primary ciliary dyskinesia  
Felix Ratjen (Toronto (ON), Canada), Dvir Gatt, Michelle Shaw, Fiona Kritzinger, Melinda Solomon, Sharon Dell

**PA3316** Evaluation of Bronchiectasis in Children  
Handan Kekeç (Turkey, Turkey), Yasemin Duman, Tuğba Şişmanlar Eyüboğlu, Ayşe Tana Aslan, Merve Yazol, Öznu Leman Boyunağa, Volkan Medeni

**PA3317** Predictors of a delayed heart rate recovery after the 6-min walk test in people with bronchiectasis  
Beatriz Herrera Cortina (Zaragoza, Spain), Juan Antonio Saez-Perez, Ane Arbilla-Etxarri, Victoria Alcaraz-Serrano, Elena Gimeno-Santos, Yasmina Hamam-Alcober, Antoni Torres

**PA3318** Intermittent Positive Pressure Breathing devices reduce exacerbations in non-cystic fibrosis bronchiectasis patients  
Céline Galor (Reims, France), Aude Pellissier, Pierre Labeix, Simon Pointel, Alexandre Diaz, Marios E. Froudarakis
Infection with P. aeruginosa and H. influenzae in relation to QoL and symptoms in bronchiectasis patients requiring intravenous antibiotics; data from a European Bronchiectasis Registry (EMBARC) center.

Pia Ghosh (Stockholm, Sweden), Nimo Osman, Malin Sande, Nikolaos Lazarinis, James D Chalmers, Anders Linden, Apostolos Bossios

Questionnaire Survey on Use of Home Nebulized Antibiotics in Patients with Bronchiectasis (QUONAB)

Raja Dhar (Kolkata (West Bengal), India), Inder Paul Sehgal, Arup Halder, Ritesh Agarwal

Key components of an exacerbation recovery programme for people with bronchiectasis: patient and staff opinions and preferences


Non-cystic fibrosis bronchiectasis (NCFB) in Croatia: data from the European multicenter bronchiectasis audit and research collaboration (EMBARC) registry

Lorna Corak (Velika Gorica, Croatia), Goran Glogić, Marko Banić, Fedja Đubur, Ana Hečimović, Dina Rnjak, Sanja Pupović-Grlje, Andrea Vukić Dugac, Mateja Janković Makek

Role of Tumour necrosis factor alpha in assessment of severity of Bronchiectasis

Santhiya Ramachandran (Puducherry, India), Yuvarajan Sivagnaname, Antonious Selvam

Factors associated with frequent exacerbator's phenotype in non-cystic fibrosis bronchiectasis: a retrospective single centre analysis

Vittorio Chino (Pavia, Italy), Valentina Conio, Lucrezia Pisu, Francesco Rocco Bertuccio, Simone Montini, Nicola Baio, Valentina Ferroni, Ilaria Giana, Marianna Russo, Alessandro Cascina, Giulia Accordino, Virginia Valeria Ferretti, Angelo Guido Corsico

Effectiveness of airway clearance techniques in non-cystic fibrosis bronchiectasis management in a real world setting

Michela Salvemini (Foggia, Italy), Pasquale Tondo, Donato Lacedonia, Maria Rosaria De Carlo, Ernesto Giuffreda, Giulio Giganti, Dahlia Pescatore, Maria Pia Claudio Varlese, Federica Roma, Luigi Paladini, Maria Pia Foschino Barbaro, Giulia Scioscia

Gender-related diagnostic delay in bronchiectasis

Mariangela Valentina Puci (Sassari, Italy), Giovanni Sotgiu, Carlo Chessari, Edoard Simonetta, Francesco Amati, Mattia Nigro, Anna Stainer, Andrea Gramnegna, Francesco Blasi, Letizia Corinna Morlacchi, Agata Alba Buscemi, Valentina Conio, Vincenzo Sanci, Angelo Corsico, Paola Faverio, Weronika Michalak, Fabrizio Luppi, Claudia Crimi, Carlo Vancheri, Rafaele Campisi, Maria Rosaria Vulpì, Giovanna Elisiana Carapagno, Marianna Cicchetti, Ksenia Sekretina, Nicola Scichilone, Salvatore Battaglia, Stefano Aiberti

Clinical utility of rapid molecular diagnostics in acute exacerbation of bronchiectasis requiring hospitalisation: a prospective study

Charles Wong (Hong Kong, Hong Kong), Chun Wai Tong, Hei Shun Cheng, Pui Hing Chiu, Pui Ling Miu, Yiu Wing Lam, Yin Chun Yam

Looking for new biomarkers in bronchiectasis (BE): sputum Alpha1 antitrypsine (AAT), Neutrophil Elastase activity (NE) and secretory leucocyte protease inhibitor (SLPI).

Letizia Traversi (Cittiglio, Italy), Clara Pons Boyero, Ianire Gallego Amaro, Beatriz Lara Gallego, Guillermo Suarez-Cuartin, Almudena Felipe Montiel, Karina Loor, David Clofent Alarcon, Mario Culebras Amigo, Antonio Alvarez Fernandez, Eva Poverino

Factors influencing screening adherence in the Yorkshire Lung Screening Trial.

Sarah Ahmad (Leeds, United Kingdom), Francesca Pesola, Philip Crosbie, Rhian Gabe, Neil Hancock, Martyn Kennedy, Catriona Marshall, Suzanne Rogerson, Irene Simmonds, Matthew Callister

Surgically removed benign changes in lung cancer screening program

Jelena Djekic Malbasa (Novi Sad, Republic of Serbia), Tomi Kovacevic 1, 2, Bojan Zarić 1,2, Ivan Kuhajda 1,2, Darijo Bokan 1,2

What is the public perception of a national lung cancer screening programme? Qualitative content analysis of comments and responses to national media reporting

Alice Milne (Bristol, United Kingdom), Samantha Quaife, Anna Bibby
PA3332 Achieving lung cancer screening in Australia – an advocacy success story
Paige Preston (Brisbane, Australia), Mark Brooke

PA3333 Lung cancer screening outcomes following artificial intelligence application: protocol for updating a systematic review.
Sahraoui Nassima (Jubail, Saudi Arabia)

PA3334 First-time large-scale targeted population screening for lung cancer in Greece - implementation of the SOLACE project
Iris-Theodora Vlachantoni (Athens, Greece), Konstantinos Karagiannis, Kyriaki Tavernarakii, Irini Lambiri, Konstantinos Spanakis, Iliana Tsotsou, Nikolaos Tzanakis, Mina Gaga

PA3335 The use of low dose CT in lung cancer screening: The preliminary result of the national lung cancer screening program
Chung-Jen Huang (New Taipei city, Taiwan), An-Chen Feng

PA3336 Cancer conversion rates at 3 and 12 months interval scans in a lung cancer screening programme
Aparna Natarajan Iyer (plymouth, United Kingdom), Owen Mole, Kirsten Leslie, Richard Riordan, Cyrus Daneshvar

PA3337 Location and volume of screen-detected lung nodules: post hoc analysis from the UK Lung Cancer Screening (UKLS) trial

PA3338 Sustained improvement in early lung cancer detection with Targeted Lung Health Check (TLHC) programme
Caroline Seale (Sheffield, United Kingdom), Abdul Nasmudeen, Moe Kyi

PA3339 Targeted Lung Health Check Screening: Does it make a difference?
Neelan Surendraraj (Ilford, United Kingdom), Nitika Kaushal, Nicola Smallcombe, Neena Patel, Rajesh Banka, Oliver Price, William Ricketts, Rebecca Taylor

PA3340 Incidental pulmonary nodules; eliminating the risk of missing early lung cancer
Ambika Talwar (Oxford, United Kingdom), Vedas Thakrar, Maria Wolos, Joanne Yates, Adedamola Falolu, Yen Duong, Claire Ridgeon, Rachel Benamore, John Park, Aliastair Moore

PA3341 Frequency of incidental diagnosis in contemporary lung cancer care

PA3342 Developing a Pulmonary Nodule Service: Outcomes, Challenges and Future Aspirations
Ambika Talwar (Oxford, United Kingdom), Joanne Yates, Adedamola Falolu, Yen Duong, Claire Ridgeon, John Park, Alastair Moore, Rachel Benamore

PA3343 Late Breaking Abstract - Reconstructing a Lung Cancer Screening Program to improve early stage lung cancer detection
Farah Madhani-Lovely (Reno, United States), Kathleen Graham, William Graham, Rebecca Doheny

PA3344 The impact of antibiotic use on the management of pulmonary ground glass nodules: A retrospective cohort study
Yi Liu (Chengdu, China), Jiurui Zhang, Dan Liu

PA3345 Lung cancer detection using miRNA biomarkers among patients on lung nodule follow-up.
Ming Ren Toh (SINGAPORE, Singapore), Kai Chin Poh, Cherry Chia, Ehsan Saffari

PA3346 A nurse navigator led lung nodule service; creating a gold standard in education and patient safety
Ambika Talwar (Oxford, United Kingdom), Joanne Yates, Adedamola Falolu, Yen Duong, Claire Ridgeon, John Park, Alastair Moore, Fiona Macleod, Fergus Gleeson, Rachel Benamore

PA3347 The influence of tobacco smoking on the genomic landscape of alveolar stem cells
Amany Ammar (London, United Kingdom), Moritz Przybilla, Hugh Selway-Clark, Andrew Lawson, Hyunchul Jung, Adam Pennycook, Kate Gowers, Manuela Platte, Zoe Frazer, Kate Davies, Inigo Martincorena, Peter Campbell, Sam Junes

PA3348 Clinical-CT predictive modeling of stage I micropapillary adenocarcinoma components
Linhu Ai Yang (Chengdu, China), Jiurui Zhang, Dan Liu

PS-28 Session 318 12:30 - 14:00
Poster session: Outcomes and pathway design in malignant effusion and thymoma
Disease(s): Thoracic oncology, Respiratory critical care
Method(s): Cell and molecular biology, Endoscopy and interventional pulmonology, General respiratory patient care, Imaging, Palliative care, Epidemiology, Public health, Surgery
Tag(s): Clinical
Chair(s): Anand Sundaralingam (Oxford, United Kingdom), Najib M. Rahman (ABINGDON, United Kingdom)

**PA3349** Surgical management of locally advanced thymomas
Wassim Chaieb (Ariana, Tunisia), Ali Ben Salem, Zied Chaari, Ayemen Ben Ayed, Abdessalem Bentati, Imed Frikha

**PA3350** The usefulness of full-thickness biopsy during semirigid pleuroscopy for differentiating between malignant pleural mesothelioma and benign conditions
Takahiro Ueda (Osaka, Japan), Toshiyuki Nakai, Sayaka Tanaka, Hiroaki Nagamine, Atsushi Miyamoto, Misako Nishimura, Yoshiha Matsumoto, Kanako Sato, Kazuhiro Yamada, Tetsuya Watanabe, Kazuhisa Asai, Tomoya Kawaguchi

**PA3351** Outcomes of Patients with Indwelling Pleural Catheters (IPCs) complicated by Septated Pleural Effusions
Wui Mei Chew (Singapore, Singapore), Ken Junyang Goh, Elsheikh Algul, Nicola Russell, Julienne Cabildo, John Wrightson, Najib Rahman

**PA3352** Assessing the clinical utility of the LENT and PROMISE scores in malignant pleural effusion
Craig Mounsey (Oxford, United Kingdom), Nikolaos Kanellakis, Jamie Mawhinney, Dinesh Addala, Anand Sundaralingam, Wui Mei Chew, Beenish Iqbal, Algul Elsheikh, Abeer Saad, Nitu Kaushal, Nicky Russell, Julienne Cabildo, Rob Hallifax, Nick Freemantle, Najib Rahman

**PA3353** Prognostic biochemical biomarkers to predict response to pleurodesis or indwelling pleural catheter for malignant pleural effusion: a scoping review
Sina Ahmadzai (Næstved, Denmark), José M. Porcel, Federico Mei, Uffe Bødtker

**PA3354** PET/CT scan and malignant pleural effusion: are we ready to rely less on imaging?
Leonardo Bertagna De Marchi (Portobuffolé (TV), Italy), Leonardo De Marchi Bertagna, Filippo Lanfranchi, Lorenzo Nocolò, Lucia Laurino, Lucio Michieletto

**PA3355** Indwelling pleural catheter infection rate - a single centre experience in a tertiary care Hospital – UK
Algul Elsheikh (Wheatley, South Oxfordshire, United Kingdom), Dinesh Addala, Beenish Iqbal, Anand Sundaralingam, Ken Goh, Wui-mei Chew, Rob Hallifax, John Wrightson, Najib Rahman

**PA3356** Pleura-peritoneum crosstalk: A Retrospective Study of Malignant Pleural effusions and Ascites in Gynaecological Cancers
Ken Junyang Goh (Singapore, Singapore), Beenish Iqbal, Xenia Hartwig, Imogen Mecchie, Karman Bhullar, Najib Rahman

**PA3357** Molecular profile of malignant pleural effusion (MPE) in non-small cell lung cancer (NSCLC)
Irene Lojo Rodriguez (Vigo, Spain), Maribel Botana Rial, Almudena González Montaños, Ana González Piñeiro, Cristina Ramos Hernández, Mercedes Cuña Delgado, Manuel Núñez Delgado, Alberto Fernández Villar

**PA3358** Storage of pleural fluid may be crucial for cytological analysis
Amandine Viccica (Le Bourget du Lac, France), Simon Pointel, Anne-Laure Désage, Marie-Pierre Perquis, Sahbi Guezara, Mathilde Jacob, Michèle Cottier, Marios E. Froudarakis

**PA3359** Utility of pleural fluid predictive marker panels in metastatic lung and breast adenocarcinoma
Jenny Ferguson (Glasgow, United Kingdom), Christopher Craig, Victoria Randles, Louise Brown, Duncan Fullerton, Matthew Evison, Selina Tsim, Kevin G Blyth

**PA3360** An investigation into survival length in malignant pleural effusion over time
Craig Mounsey (Oxford, United Kingdom), Nikolaos Kanellakis, Dinesh Addala, Anand Sundaralingam, Wui Mei Chew, Beenish Iqbal, Algul Elsheikh, Abeer Saad, Nitu Kaushal, Nicky Russell, Julienne Cabildo, Rob Hallifax, Najib Rahman

**PA3361** Late Breaking Abstract - Predicting time to next pleural procedure in patients with malignant pleural effusion following therapeutic aspiration
Eleanor Mishra (Oxford (Oxfordshire), United Kingdom), Helen Davies, Syed Hamza Abbas, Cheryl Hardy, Dominic Beith, Dheeraj Sethi, Toshit Sapkal, Algul Elsheikh, Asfandyar Yousef, Emma Hedley, Anand Sundaralingam, Dinesh Addala, Lianne Castle, Neena Patel, Jurgen Herre, Hannah Collins, Jack Kastelik, Clare Ross, John Corcoran, Fathimath Shiham, Alison Hufton, Geri Lynch, Alex Dipper, Eleanor Barton, Amelia Clive, Nick Maskell, Allan Clark, Najib Rahman

**PA3362** Late Breaking Abstract - Mulberry-like cell clusters contained multi-types cells in MPE Promote malignant activities and Targeted intervention
Yang Jin (Wuhan, China), Siwei Song, Zhe Jia, Shuai Zhang, Yumei Li, Zhongrong Yin, Feng Wu, Jinxia Li, Haoran Zheng, Ming Zhou, Xuan Wang
**Disease(s):** Interstitial lung diseases

**Method(s):** Cell and molecular biology, Imaging, Physiology

**Tag(s):** Basic science, Translational

**Chairs:** Manuela Funke-Chambour (Bern, Switzerland), Ioannis Tomos (Athens (P. Faliro), Greece)

**SMTP-44D, a soluble epoxide hydrolase inhibitor, attenuated the progression of pulmonary fibrosis in vivo and in vitro.**
Kojin Murakami (Tokushima, Japan), Seidai Sato, Yuya Isomura, Trang Thi Hong Phuong, Noriko Bando, Ryoko Suzue, Nandin-Erdene Danzan, Yuya Yamashita, Keiko Haji, Nobuhito Naito, Kozo Kagawa, Hiroshi Kawano, Noriaki Inamura, Keiji Hasumi, Yasuhiro Nishioka

**LSC - 2024 - Dissecting the role of microRNAs and cellular aging in the pathophysiology of Idiopathic Pulmonary Fibrosis**
Giulia Zandomenego (Trieste, Italy)

**Clinical Application of Exosome KL-6 Detection in Respiratory Diseases**
Huimin Huang (Guangzhou (Guangdong), China), Qian Han, Junqi Li, Jia Li, Baoqing Sun, Jin Su

**Expression of HOXB7 in the lungs of patients with idiopathic pulmonary fibrosis: a proof-of-concept study and clinical significance**
Giulia Bruzzi (Modena, Italy), Roberto Tonelli, Anna Valeria Samarelli, Giulia Raineri, Ilenei Mastrolia, Matteo Costantini, Luca Fabbiani, Virginia Catani, Tiziana Petrachi, Dario Andrisani, Filippo Gozzi, Alessandro Marchioni, Valentina Masciarelli, Beatrice Aramini, Valentina Ruggieri, Giulia Grisendi, Massimo Dominici, Stefania Cerri, Enrico Cimenti

**Sirtuins as biomarkers of accelerated cellular senescence in patients with Idiopathic Pulmonary Fibrosis (SIR-IPF)**
Domenica Francesco Marinelli (Napoli, Italy), Vito D'Agnano, Filippo Scialò, Grazia Mazzeo, Ramona Fomez, Linda Franzese, Andrea Bianco, Fabio Perrotta

**Feasibility study of a novel synchrotron-based imaging method to assess bleomycin-induced pulmonary fibrosis progression in mice in vivo**
Xiaojie Luan (Saskatoon, Canada), M. Adam Webb, Flinn N. Herriot, Veronica Marcoux, Julian S. Tam, Robert P. Skomro, Juan P. Ianoski

**LTBP2: A Potential Fibroblasts-Anchorign Target in Idiopathic Pulmonary Fibrosis Regulated by TCF4**
Asbjørn Graver Petersen (Hørsholm, Denmark), Stefanie Kromtner, Susanne Pors, Henrik H. Hansen, Michael Feigh

**Reproducible lung protective effects of a TGFβRI/ALK5 inhibitor in the bleomycin-induced and spirometry-confirmed mouse model of IPF**
Lingxiao Qiu (Chongqing, China), Guojun Zhang, Xinye Zhang, Zhi Xu, Shanshan Chen, Ping Li, Chunya Lu, Hui Li, Chu Huang, Hongxia Jia, Huasi Zhao

**Exploring Combined Therapy: Disulfiram and Antifibrotic Agents in Attenuating Pulmonary Fibrosis in Bleomycin-Induced Mouse Model**
Nathalie Smyczek (Berlin, Germany), Julie C. Meyer Auf Der Heyde, Dominik H. W. Leitz, Laura Schaupp, Maria Danilchenko, Christopher M. Mall, Thomas Skovhus Prior, Holger Jon Möller

**Globularia alypum L. phenolic rich extract ameliorates progressive pulmonary fibrosis induced by Bleomycin in Wistar rats**
Sanaa Bahri (Tunis, Tunisia), Rim Ben Mansour, Afef Nahdi, Mona Mlika, Linda Hadjkacem, Riadh Ksouri, Saloua Jameleddine
PA3377 Prognostic Significance of Pyroptosis-Related Genes in Pulmonary Fibrosis: A Risk Scoring Model Approach
Tao Yang (Chongqing, China), Lu Liu, Xuetao Yang, Tianyang Zeng, Min Zhang, Minjian Ge

PA3378 Role and mechanism of microRNA-423-5p targeted FOXP4 regulation in pulmonary fibrosis
Yi Chen (Chongqing, China), Guo Shuliang

PA3379 Antibiotics and PDE4B inhibition suppress pulmonary fibroblast proliferation
Lavanya Raman (Fareham (Hampshire), United Kingdom), Matthew Rickman, Maria Vinokurova, Neringa Cypaite, Blerina Ahmetaj-Shala, Nicholas Kirkby, Peter George, Jane Mitchell

PA3380 Effects of the angiotensin II type 2 receptor agonist buloxibutid on human lung myofibroblasts and IPF lung tissue
Johan Raud (Stockholm, Sweden), Johanna Gräns, Mikael Nygård, Ahmed Mousa

PA3381 Type 1 invariant natural killer T cells drive lung fibrosis
Emily Calamita (London, United Kingdom), Toby M. Mahler, Clare M. Lloyd, Philip L. Molyneaux, Vinip Kumar, Adam J. Byrne

PA3382 Altered expression of CSF1R in airway macrophages during idiopathic pulmonary fibrosis
Christina Michalaki (London, United Kingdom), Toby M. Mahler, Clare M. Lloyd, Philip L. Molyneaux, Peter Ordentlich, Adam J. Byrne

PS-3 Session 320 12:30 - 14:00
Poster session: When imaging meets physiology: a window to the lung

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

Method(s) : Imaging, Pulmonary function testing, Physiology, Respiratory intensive care, Pulmonary rehabilitation, General respiratory patient care

Tag(s) : Clinical

Chairs : Ioannis Vogiatzis (Blyth, United Kingdom), Chair to be confirmed

PA3383 Missing airways, ventilation defects and conductive airway physiology in asthma.
Sylvia Verbanck (Bruxelles, Belgium), Rachel Eddy, Marrissa Mcintosh, Grace Parraga, Brody Foy

PA3384 Assessing pulmonary exacerbations (PEx) in people with cystic fibrosis (pwCF) with dynamic functional lung MRI
Christopher Short (London, United Kingdom), Thomas Semple, Mary Abkir, Marta Tibiletti, Marta Rosenthal, Simon Padley, Geoff.J.M Parker, Jane.C. Davies

PA3385 Oxygen-enhanced MRI versus PREFUL in assessing pulmonary ventilation in COPD and healthy individuals.
Aman Elbeihairy (Alexandria, Egypt), Josephine H. Naish, Hossein Baghertash, Christopher A. Miller, Jørgen Vestbo, Alex Horsley

PA3386 Inspiration level strongly affects the MRI lung perfusion metric mean TTP
Jimmy Yu (Stockholm, Sweden), Sven Nyrén, Magnus Sköld, Roya Shams, Johan Lundberg, Tobias Granberg

PA3387 Multiphase micro-CT (µCT) as a surrogate for longitudinal pulmonary function quantification in a lung fibrosis model
Francesca Pennati (Milano (MI), Italy), Sasha Belenkoy, Martina Buccioni, Erica Ferrini, Nicola Sverzellati, Gino Villetti, Andrea Aliverti, Franco Fabio Stellari

PA3388 Local tissue strain imaged by in vivo 4D phase-contrast µCT in bleomycin and ventilator-induced lung injury in rats
Irmia Mahmutovic Persson (Lund, Sweden), Sam Bayat, Richard T. Deyhle Jr., Luca Fardin, Jose Luis Cercos-Pita, Gaetano Perchiazzi, Lars E. Olsson

PA3389 The association of spirometry findings with Thorax Computerized Tomography in Children with Common Variable Immunodeficiency
Merve Nur Tekin (Ankara, Turkey), Fazilcan Zirek, Seçahattin Bayav, Mukaddes Ağırtıcı, Mahmut Turğut, Esin Gizem Olgun, Semra Kılçık Özürt, Gizem Özcan, Nazan Çobanoğlu

PA3390 Cardiac alterations related to new CT emphysema subtypes: results from the SubPopulations and InteRmediate Outcome Measures In COPD and Heart Failure Study (SPIROMICS HF)
PA3391 Chronic Graft versus Host disease involving the lung: CT scan features
Roland Barbante (Marsico Nuovo, Italy), Sara Picicucci, Claudia Ravaglia, Antonio Vizzuso, Emanuela Giampalma, Venerino Poletti

PA3392 Novel spatial measurements of inspiratory expansion and expiratory deflation rates in ILD and COPD
Kris Nilsen (PRESTON, Australia), Greg Snell, Bronwyn Levvey, Glen Westall, Dina Bushall, Andreas Fouras, Jason Kirkness, Piraveen Pirakalahthanon, Charlotte Thomas, Nina Eikelis

PA3393 Identification of Vocal Cord Dysfunction Phenotypes by Latent Class Analysis
Mark Hew (Melbourne (VIC), Australia), Joy Lee, Logan Gardner, Tunn Ren Tay, Tiffany Lin, Kavitha Garuna Murthee, Asger Sverrild, Eve Denton

PA3394 Is trans-laryngeal ultrasound (TLUS) a useful tool in the assessment of inducible laryngeal obstruction? Healthy volunteer data
Claire Slinger (Clitheroe (Lancashire), United Kingdom), Paul Leong, Roganie Govender

PA3395 Quantitative Morphometry and Local Tissue Elasticity Measurements in a Rat Model of Ventilator-Induced Lung Injury

PA3396 An 8-month exercise rehabilitation program improved brain oxygenation during exercise in patients with IPF
Konstantina Dipla (Serres, Greece), Stella Kritikou, Aikaterini Markopoulou, Afroditi Boutou, Georgia Kounti, Christina Rampiadou, Athanassios Zacharias, Ioannis Gкалgovouras, Valentina Pegklidou, Diamantis Chloros, Ioannis Stanopoulos, Georgia Pitsiou, Andreas Zafeiridis

PS-30 Session 321 12:30 - 14:00
Poster session: The impact of lung imaging in the management of interstitial lung disease of known origin

Disease(s) : Interstitial lung diseases  Airway diseases
Method(s) : Imaging  General respiratory patient care  Pulmonary function testing  Epidemiology  Public health
Tag(s) : Clinical
Chairs : Vasileios Kouranos (London, United Kingdom), Cara Flynn (Leicester, United Kingdom)

PA3397 CT-based radiomics for assessing lung function (decline) in SSc-ILD patients: a promising approach
Flore Behmans (Leuven, Belgium), Monique Henket, Benoit Ernst, Greetje Vande Velde, Wim Vos, Julien Guiot

PA3398 CT-based radiomics to construct a differential diagnosis model for immune-related interstitial pneumonia
Qi Yu (Guangzhou, China), Tingyue Luo, Jingze Guo, Zeyu Fu, Junjie Xi, Shaoci Cai, Hangming Dong

PA3399 Interstitial lung abnormality presence associates with mortality in a lung cancer screening cohort independent of multi-organ comorbidities
Burcu Ozaltin (London, United Kingdom), Mehran Azimbaghird, Brintha Selvarajah, Amyh Bhamani, Ryoko Egashira, John Mccabe, Priyam Verghese, Ruth Prendecki, Andrew Creamer, Jennifer L Dickson, Carolyn Horst, Sophie Tisi, Helen Hall, Cheun Ryan Khaw, Monica Mullin, Kylie Gyerston, Anne-Marie Hacker, Laura Farrelly, Nicola Smallcombe, Anand Devaraj, Arjun Nair, Mariya Yuneva, R Gisli Jenkins, Rachel C Chambers, Joanna C Porter, Allan Hackshaw, Sam M Janes, Joseph Jacob

PA3400 Differentiating interstitial lung abnormalities and interstitial lung disease in lung cancer screening
Brintha Selvarajah (London, United Kingdom), Amyh Bhamani, Mehran Azimbaghird, Burcu Ozaltin, Ryoko Egashira, John Mccabe, Nicola Smallcombe, Priyam Verghese, Ruth Prendecki, Andrew Creamer, Jennifer L Dickson, Carolyn Horst, Sophie Tisi, Helen Hall, Chuen Ryan Khaw, Monica Mullin, Kylie Gyerston, Anne-Marie Hacker, Laura Farrelly, Anand Devaraj, Arjun Nair, Mariya Yuneva, R Gisli Jenkins, Rachel C Chambers, Joanna C Porter, Allan Hackshaw, Sam M Janes, Joseph Jacob

PA3401 Development of machine learning model in prediction of the rapid progression of interstitial lung disease in patients with idiopathic inflammatory myopathy
Yuhui Qiang (Beijing, China), Hongyi Wang, Min Liu, Chen Wang, Huaping Dai

PA3402 Quantitative high-resolution computed tomography features of pulmonary vessel related structures in prediction of rapid progression of idiopathic inflammatory myopathies-related interstitial lung disease
Yuhui Qiang (Beijing, China), Min Liu, Huaping Dai, Chen Wang

PA3403 Quantitative metrics on computed tomography can predict the rapid progression of idiopathic inflammatory myopathies-related interstitial lung disease
Hongyi Wang (Beijing, China), Yuhui Qiang, Min Liu, Chen Wang, Huaping Dai
PA3404 Complicated Silicosis due to silica agglomerates: 18F-FDG PET/CT and systemic inflammatory indices. Antonio Leon Jimenez (Cádiz, Spain), Antonio Campos-Caro, Julio Rodríguez-Rubio Corona, María Luisa Piñero Fernández-Reyes, Magdalena Pajares-Vinardell, Antonio Hidalgo-Molina, Gema Jiménez-Gómez


PA3406 Interstitial lung disease in patients with systemic sclerosis: relationships between functional, radiological and ultrasound data Giulia Sartori (Verona, Italy), Francesco Grottoli, Giulio Bonisoli, Michelangelo Xavier Palou-Schwartzbbaum, Filippo Caldana, Federica Maiolini, Elisa Tinazzi, Ernesto Crisafulli

PA3407 Advanced AI-based image analysis for quantification of interstitial lung disease in rheumatoid arthritis patients Anna Denis (Liège, Belgium), Monique Henket, Xavier Creuen, Benoit Ernst, Clio Ribbens, Paul Meunier, Renaud Louis, Julien Guiot

PA3408 Radiologic features associated to progressive fibrosing interstitial lung diseases (ILDs) other than Idiopathic Pulmonary Fibrosis (IPF) Serena Bellani (Padova, Italy), Elisabetta Coccoconcelli, Nicol Bernardinello, Chiara Giraudo, Anamaria Chelu, Giulia Grisostomi, Francesca Boscaro, Giulia Bacchin, Sara Cecchinato, Martina Visona, Paolo Spagnolo, Elisabetta Balestro

PA3409 Correlations between esophageal diameters on high-resolution computed tomography with Warrick score, lung function, and dyspnea in patients with systemic sclerosis Anja Ljilja Posavec (Zagreb, Croatia), Renata Huzjan Korunić, Nevenka Piskač Živković, Joško Mitrović

PA3410 Radiology screening scale for usual interstitial pneumonia as an additional tool for establishing the diagnosis of pulmonary fibrosis in patients with post-COVID-19 ILD. Oleh Yakovenko (Lviv, Ukraine), Yaroslav Dziublyk, Eduard Khodosh, Tetiana Yakovenko, Alla Hrytsiuk, Oleksandr Dziublyk

PA3411 Clinical Impact of Pneumomediastinum in Patients with Myositis-Associated Interstitial Lung Disease Junghee Jung, Bin Yoo, Chang-Keun Lee, Yong-Gil Kim, Seokchan Hong, Soo Min Ahn, Ho Cheol Kim

PA3412 Comparison of MDD across two different ILD referral centers using the same CRF Francesco Amati (Pieve Emanuele (Milano), Italy), Dean Kellogg, Marcos Restrepo, Francesco Blasi, Anna Stainer, Giacomo Maruca, Stefano Aliberti, Anoop Nambiar

PA3413 Evolution of small airway involvement in rheumatoid arthritis. A multicenter prospective study. Fabián Mattas Caro (Ciudad Autónoma Buenos Aires, Argentina), Hernan Molina, Martín Fernández, María Laura Alberti, Leandro Fassola, Jose Malet, Anastasia Secco, Agustina Cáceres, Andres Leonardo Martinez Perdomo, Patricia Sasaki, Maura Martinez, Rafael Carbonell, Maria Celina De La Vega

PA3414 Prevalence and Diagnostic Accuracy of Cervical Lymphadenopathy in Sarcoidosis: Insights from Ultrasound-Guided Biopsies May Salaheldin Abdelwahab Eissa (alexandria, Egypt), Ahmed El-Sayed El-Hefny, Amr Ali Abdel-Kerim, Samar Nabil El-Achy, Ayman Ibrahim Baess

PA3415 Late Breaking Abstract - Deep-learning Algorithm FibroNet to Identify Fibrotic Primary Sjögren’s Syndrome -associated Interstitial Lung Disease based on Chest HRCT Wenyuan Meng (Beijing, China), Han Kang, Min Liu, Rongguo Zhang, Xiaojuan Guo, Chen Wang, Huaping Dai

PS-31 Session 322 12:30 - 14:00
Poster session: Pulmonary hypertension in lung disease
<table>
<thead>
<tr>
<th>Disease(s)</th>
<th>Pulmonary vascular diseases</th>
<th>Interstitial lung diseases</th>
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<tr>
<td>Method(s)</td>
<td>Cell and molecular biology</td>
<td>Epidemiology</td>
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<td>Imaging</td>
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<td>Tag(s)</td>
<td>Clinical</td>
<td>Translational</td>
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**PA3417**  
**Pulmonary vascular resistance to predict one-year survival in ILD-PH**  

**PA3418**  
**Pulmonary vascular involvement in patients with interstitial lung disease (ILD): a distinct phenotype**  
Giordano Fiorentu’ (Padua, Italy), Elisabetta Cocconcelli, Nicol Bernardinello, Dylon Pasin, Roberta Accoto, Chiara Giraudo, Sara Cecchinato, Martina Visonà, Paolo Spagnolo, Elisabetta Balestro

**PA3419**  
**Association of Pulmonary Hypertension risk on Echocardiography with the degree of pulmonary fibrosis in a Usual Interstitial Pneumonia Cohort in United Arab Emirates.**  
Govinda Saicharan Bodi (Abu Dhabi, United Arab Emirates), Mohammed Samiuddin, Hossam Alazazzi, Stuti Mull, Shayan Khan, Zaina Khan, Sathiyamoorthy Sadharaman, Mohammad Khailil, Jihad Mallat, Khaled Saleh

**PA3420**  
**Impact of pulmonary hypertension in baseline characteristics and survival of patients with idiopathic pulmonary fibrosis**  
Alexandre Arvanitaki (London, United Kingdom), Gerhard Diller, Vasileios Kouranos, Thomas Semple, Wei Li, Colm Mccabe, Michael A. Gatzoulis, John Wort, Laura Price

**PA3421**  
**REVEAL Lite 2 risk assessment in Pulmonary Hypertension associated to respiratory disease.**  
Marta Evora Garcia (Las Palmas de Gran Canaria, Spain), Gregorio Pérez Peñate, Carlos Öjeda Suárez, Helena Galván Fernández, Ibrahim Veliz Flores, Jesús Villar Hernández, Desirée Alemán Segura, Amando Sixto Márquez, Javier Guerra Ramos, Ana Martin Medina, Fernando León

**PA3422**  
**Management of Pulmonary Hypertension associated with Chronic Lung Disease: Results of the ERS Clinical Research Collaboration PHAROS survey**  
Laurent Godinas (Leuven, Belgium), Ivan Montani, Sergiu Harari, Marius Hoepfer, David Kely, Esther Nossent, Gabor Kovacs, Robin Condliffe, Anton Vokn Noordegraaf, Pillar Escribano Subias, Isabelle Blanco, Dario Vizza, Fabio Dardi, Ableto Reis, Marion Delcroix, Olivier Sitbon, Joan Barbera

**PA3423**  
**Reasons to join pulmonary hypertension patient associations – do not forget the caregivers!**  
Eva Otter (Vienna, Austria), Roberto Badagliacca, Regina Steringer-Mascherbauer, Khodr Tello, Gerald Fischer, Ralf Lenhedar, Martina Neubauer, Hall Skara, Dario Vizza

**PA3424**  
**Machine learning to detect pulmonary hypertension associated with chronic obstructive pulmonary disease (PH-COPD)**  
Tracey Weiss (Coopersburg, United States), Hilary M Dubrock, Kathryn Del Valle, Hannah Barman, Katherine Carlson, Hari Bandi, Mithun Manoharan, Dena Rosen Ramey, Boshu Ru, Catelyn Coyle, Tyler E Wagner

**PA3425**  
**Estimated Cardiac Hemodynamics using Cardiac Magnetic Resonance Imaging (MRI) and Computed Tomography Emphysema Subtypes (CTES): The Multi-Ethnic Study of Atherosclerosis (MESA) Chronic Obstructive Pulmonary Disease (COPD) Study**  
Emilia Hermann (NEW YORK, United States), Jesse Yang, Elsa Angelini, Pallavi Balte, David Bluemke, James Carr, Katja Derflin, Antoinette Gomes, Mohammadali Habibi, Eric Hoffman, Chris Johns, Steven Kavut, David Kely, Andrew Laine, Joao Lima, Martin Prince, Benjamin Smith, Jens Vogel-Claussen, Karol Watson, Jim Wild, Andrew Swift, Graham Barr

**PA3426**  
**Profiles of patients with pulmonary hypertension associated with chronic obstructive pulmonary disease (PH-COPD)**  
Tracey Weiss (Coopersburg, United States), Hilary M Dubrock, Kathryn Del Valle, Hannah Barman, Katherine Carlson, Hari Bandi, Mithun Manoharan, Dena Rosen Ramey, Boshu Ru, Catelyn Coyle, Tyler E Wagner

**PA3427**  
**Right ventricular function in pulmonary arterial hypertension and obesity or underweight - a cross-sectional cohort study with survival follow-up**  
Benjamin Egenlauf (Heidelberg, Germany), Moritz Braun, Alberto M. Marra, Panagiota Xanthoulis, Satenik Harutyunova, Christina A. Eichstaedt, Ekkehard Grünig, Nicola Benjamin

**PA3428**  
**Pre-capillary pulmonary hypertension in COPD: are there distinctive ironome-associated endotypes?**  
Oleh Myronenko (Graz, Austria), Vasile Foris, Andrea Olschewski, Horst Olschewski

**PA3429**  
**Promotor hypomethylation mediated upregulation of VCAN targets Twist1 to promote EndMT in hypoxia-induced pulmonary hypertension**  
Yan Wu (Wuxi, China), Jinyan Yu, Ziteng Wang, Shulun Huang, Shugao Ye, Yuan Chen, Tao Bian
Pulmonary hypertension induced by right pulmonary artery occlusion: hemodynamic consequences of Bmpr2 mutation
Julien GrynbLat (Paris, France), Alban Todesco, Firmin Kouamé Akoumia, Damien Bonnet, Pedro Mendes-Ferreira, Stephane Morisset, Denis Chemla, Marilyne Levy, Mathilde Meot, Sophie Malekzadeh-Milani, Birger Tielmans, Benoît Decante, Carine Vastel-Amzallag, Ghigna Maria-Rosa, Marc Humbert, David Montani, David Boulate, Frederic Perros

Molecular pathways underlying vascular impairment induced by cigarette smoke: unraveling the role of nAChR alpha 7 in hPASMC
María Jose Calzada Garcia (Madrid, Spain), Onofre Munar-Rubert, Rosa Andreu-Martinez, Jorge Rodriguez-Perez, Noelia Lopez, Bianca Barreira, Marta Villegas-Esguevillas, Laura Sanchez-Carretero, Edgar Fernandez-Malave, German Peces-Barba, Angel Cogolludo, Cecilia Muñoz

Medication adherence in patients with pulmonary hypertension
Rachel Blyth (London, United Kingdom), Ippokratis Zarrifis, Eva Moriarty, Muhammad Owais Musani, John Wort

Effect of Celastrol on pulmonary hypertension associated to bronchopulmonary dysplasia: preclinical study outcomes
Christelle Guibert (Pessac, France), Guillaume Cardouat, Isabel Gauthereau, Mathilde Dubois, Paul Robillard, Fanny Sauvestre, Fanny Pelluard, Sophie Berenguier, Loïc Sentilhes, Frederic Coatleven, Marie Vinciceme, Laurent Renesmes, Roger Marthan, Patrick Berger, Eric Dumas-De-La-Roque, Véronique Freund-Michel, Claire-Marie Pilard

Pulmonary Hypertension of various aetiology in obesity and sleep disordered breathing- A retrospective review of pulmonary haemodynamics
Samiha Naureen (Hull, United Kingdom), Sayed Alvadadei, Mark Major, Amanda Bell, Abdul Hameed, Shoaib Faruqi

Exploring Family Dynamics and Ethical Considerations in the PAH Diagnostic and Therapeutic Journey: Insights from In-Depth Semi-Structured Interviews
Emilia Maria Świętilik (Cambridge, United Kingdom), Micheala Fay, Nicholas W Morrell

Title: Utility of point-of-care-ultrasound in outcome assessment of critically ill patients with sepsis.
Kashyap Goyal (Gidderbaha (Pb), India), Uma Devaraj, Chitra V., Kavitha V., Uma Maheswari, Priya Ramachandran

Maximizing Diagnostic Accuracy: Core Needle Biopsy versus Fine-Needle Aspiration in Peripheral Lung Lesions
Mina Osama Botros Labib (Alexandria, Egypt), Yehia Mohamed Kahlil, Hany Amin Sharawy, Eman Sheta Ali Gawdat Elsayw, Rania Ahmed Sweed

Ultrasound assessment of respiratory related muscles for predicting exercise intolerance in patients with stable chronic obstructive pulmonary disease
Yujin Zheng (Beijing, China)

Can lung ultrasound in the postoperative period of cardiac surgery predict extubation failure?
Thais Bento Rudge Ramos (Campinas, Brazil), Ligia Dos Santos Rocote Ratti, Lindemberg M Silveira-Filho, Matheus Da Silva Passos, Lilian Elizabete Dellazari, Luiz Claudio Martins, Luciana Castilho Del Figueiredo

Changes in Forced Oscillations and Diaphragmatic Excursion in patients starting use CPAP or Non Invasive Mechanical Ventilation
Angelo Longoni (Mariano Comense (CO), Italy), Tiziana Cappelletti, Francesca Frassanito, Lorenza Fusetti, Federico Giussani, Carla Bassino

Chest Physical Exam with Ultrasound (CHEPHEUS) part 2. A pilot study
Alessandro Zanforlin (Bolzano (BZ), Italy), Andrea Smargiassi, Paolo Carlucci, Dejan Radovanovic, Riccardo Inchingolo, Francesco Tursi
Different definitions of ultrasonographic diaphragmatic dysfunction can improve its correlation with in-hospital death
Fiamentta Danzo (Milano, Italy), Luca Perotto, Lisa Milani, Debora Maria Spitaleri, Marina Saad, Stefano Pini, Pierachille Santus, Dejan Radovanovic

Thoracic ultrasound shear wave elastography in interstitial lung disease: an explorative pilot study
Christian Kildegaard (Odense, Denmark), Christian B. Laursen, Jesper Rømhild Davidsen

Thoracic Ultrasound (TUS) in iatrogenic pneumothorax detection: an easy and reliable tool.
Matteo Daverio (Padova, Italy), Davide Ortolan, Martino Dallago, Rossella Valvasone, Mariarena Tine, Umberto Semenzato, Davide Biondini, Marco Damini, Elisabetta Ballestro, Paolo Spagnolo

Evaluation of the rapid airway assessment ultrasound protocol for confirming endotracheal intubation
Sasathorn Tharapoom (Bangkok, Thailand), Anan Wattanathum

Sonographic predictors of dyspnea relief after therapeutic thoracentesis – a prospective study
Beatrice Iskander (Alexandria, Egypt), Enas Elsayed, Mahmoud Reda, Maged Hassan

Coupling exercise lung ultrasound with cardiopulmonary exercise testing (LUS-CPET): proof of concept
Antoine EL KIK (Beirut, Lebanon), Hind Eid, Albert Riachy, Moussa Riachy

Thoracic Ultrasound (TUS) a valuable tool in identifying asbestos-exposed subjects who require chest-CT
Sofia Bailo (La Spezia, Italy), Nicole Colombo, Federica Novelli, Gianfranco Puppo, Massimiliano Sivori, Anna Maria Carletti, Luigi Chiaffi, Valentina Pinelli

US-guided biopsy for lung cancer diagnostics: are core biopsies superior to FNA?
Eman Desoky (United Kingdom), Maged Hassan, Thyusha Devineni, Ola Mohammad, Sarah Nicholson

Associations between sleep disorders, lung mechanics, and thoracic ultrasound signals in adults with obesity: a cross-sectional study
Isabella Aziz (Niteroi, Brazil), Isabel Tamiozzo Serpa, Sidney Fernandes Da Silva, Carlos Eduardo Santos, Iasmim Maria Pereira Pinto Fonseca, Hendyl Pereira Soares Dos Anjos, Viviane Cristina Viana De Souza, Joana Acr Silva, Thiago Tomaz Maftor, Agualdo José Lopes

Comparative study between medical thoracoscopic and ultrasound-guided transthoracic pleural biopsies in diagnosis of tuberculous pleural effusion
Mohamed Yosri (Alexandria, Egypt), Haytham Emam, Eman Sheta, Mohamed El Shafei, Alaa Aldein Abdullah

Benefit of systematic management of pleural effusions using thoracic ultrasound: a prospective randomized study:
Elise Noel-Savina (Cugnaux, France), Sylvain Drneau, Joseph Celia, Sandrine Pontier, Thomas Villeneuve, Dupuis Marion, Florian Laborde, Gregoire Prevot, Alain Didier

The dynamic air bronchogram; a parameter of thoracic ultrasound in predicting non-expandable lung
Hüseyin Yıldırım (Eskişehir, Turkey), Guntulu Ak, Senay Yılmaz, Fusun Alatas, Mazaffer Metintas

Benefit of systematic management of pleural effusions using thoracic ultrasound: a prospective randomized study:
Albert Rafecas-Codern (Barcelona, Spain), Ana Pardessus Otero, Geneva Parada Perez, Joel Lakhani Lakhani, Pere Serra Mitja, Virginia Pajes Ruiz

The value of lung ultrasound in diagnosing community-acquired pneumonia in tuberculosis endemic regions.
Lê Quốc Khánh Trần (Hồ Chí Minh, Vietnam), Truc Thai-Thanh, Nguyen Tran-Ngoc, Ngoc Duong-Minh, Quyen Tu-Thuy, Khoa Nguyen-Dang, Nhat Phung-Tran-Huy, Luigi Pisani, Nam Vu-Hoai, Vu Le-Thuong

Late Breaking Abstract - Lung function trajectories and determinants from birth to 6 years in an African birth cohort: Group-based multi-trajectory modelling
Diane Gray (Cape Town, South Africa), Anhak Ulla, Shakaika Chaya, Carvher Jacques, Zolltan Hantos, Lesley Workman, Maresa Botha, Dan J Stein, Mark Nicol, Adnan Custovic, Heather J Zar

Poster session: What can clinical physiology tell us about airways disease?
Disease(s) : Airway diseases, Interstitial lung diseases
Method(s) : Physiology, Pulmonary function testing, Epidemiology, Pulmonary rehabilitation, Imaging, General respiratory patient care, Transplantation
Tag(s) : Clinical
Chairs : Sylvia Verbanck (Bruxelles, Belgium), Gareth Hynes (Oxford (Oxfordshire), United Kingdom)
Oscillometry and expiratory flow limitation in COPD and α-1-antitrypsin deficiency (AATD)
Hanna Ovenholm (Malmö, Sweden), Hanan Tanash, Eeva Piitulainen, Jakob Löndahl, Sophia Frantz, Viktor Hamrefors, Per Wollmer

Association of impaired lung function and objectively measured physical activity
Maria Lopmeri (Helsinki, Finland), Tiina Mattila, Kari Tokola, Tommi Vasankari, Tuija Jääskeläinen, Jouni Lahti, Tuula Vasankari

The association of isolated small airways obstruction (SAO) with gas transfer and static lung volume measurements.
Ben Knox-Brown (Moulton, United Kingdom), Karl Sylvester

Incidence of tidal expiratory flow limitation in lung transplant patients with and without chronic lung allograft dysfunction
Botond Sipos (Budapest, Hungary), Joyce Wu, Anne Fu, Zoltán Hantos, Chung-Wai Chow

Late Breaking Abstract - Effects of a supervised 12-week high intensity interval training (HIIT) programme on lung tissue mass and diffusing capacity in COPD: A case-control study
Ronan Berg (Copenhagen, Denmark), Jacob Peter Hartmann, Stine Buus Nymand, Helene Louise Hartmeyer, Camilla Koch Ryrso, Amalie Bach Andersen, Milan Mohammad, Iben Elmerdahl Rasmussen, Rie Skovly Thomsen, Cody Garetter Durrer, Jann Mortensen, Ulrik Winning Iepsen

The assessment of tidal expiratory flow limitation and small airways disease using forced oscillation technique during hospitalization for asthma attacks and recovery.
Paula Cristina Andrade Almeida (Aracaju (SE), Brazil), Mouaid Aljehani, Glenn Heasoon, Tim W. Harrison, Matthew J Martin

Response to a bronchodilator in oscillometry: time to avoid cutoff values?
Laura Graciela Gochicoa Rangel (Ciudad de México, Mexico), Selene Guerrero-Zúñiga, Gustavo Iván Centeno-Sáenz, Diana Montserrat Riego-Ramírez, Irlanda Alvarado-Amador, Luis Torre-Bouscoulet, Rosario Fernández-Plata, David Martínez-Brisco, Mario H. Vargas

Low-grade systemic inflammation and peripheral airway function
Martin Färdig (Uppsala, Sweden), Suneela Zaigham, Gunnar Engström, Christer Jansson, Per Wollmer, Andrei Malinovschi

Impact of Asthma on sympathetic drive
Jens Spiesshoefer (Aachen, Germany), Binaya Regmi, Michael Dreher

Structure-function in smokers: when a small airways test really reflects the small airways.
Sylva Verbanck (Bruxelles, Belgium), Shane Hanon, Jef Vandemeulebroecke, Eef Vanderhelst, Manuel Paiva

Use of FeNO testing in the assessment of cases of failure to provide breath specimens for alcohol analysis
Simon Quantrill (London, United Kingdom), Charles Green

Flexibility, cardiorespiratory, muscular and neuromuscular fitness in school age children with bronchopulmonary dysplasia: A longitudinal cohort study
Marina Praprotnik (Ljubljana, Slovenia), Irena Štucin Gantar, Gaja Setnikar Kimovec, Aleksandra Zver, Saša Šetina Šmid, Malena Aldoce, Paola Pascolo, Jasna Rodman Berlot, Uroš Krivec, Miha Lučovnik, Dušanka Lepej, Gregor Stare

Immediate effects of body lateralization on pulmonary ventilation distribution and aeration in spontaneously breathing healthy individuals
Shirley Campos (Recife (PE), Brazil), Layane Santana Pereira Costa, Cyda M. A. Reinaux, Lucas R. S. Fraga, Pedro V. M. Porfirio, Taiwan R. Barbosa, Emanuel F. F. Silva Júnior, Marisman F. Nascimento, Armele Dornelas Andrade, Caio C. A. Morais

Relationship between dynamic hyperinflation and lung function in adults with obesity: a cross-sectional study
Isabela Aziz (Niterói, Brazil), Isabela Serpa, Carlos Eduardo Santos, Luis Felipe Reis, Sidney Da Silva, Iasmim Fonseca, Laura Pessoa, Hendyl Dos Anjoa, Paola Villela, Agnaldo Lopes

Segmental Ventilation Heterogeneity as a COPD Biomarker
Sarath Raju (Baltimore, United States), Shakir Hossen, Jason Kirkness, Tamas Otvos, Naresh Punjabi, Trishul Siddharthan

Small airways dysfunction and “early” COPD due to alpha-1 antitrypsin deficiency
Ardak Zhumagaliyeva (Astana, Kazakhstan), James Stockley, Robert Stockley
Developing an acoustic digital model with smartphone-based technology for the identification of restrictive lung disease.
Lindsay Welch (Southampton (Hampshire), United Kingdom), Mahdi Shaban, Arshia Gratiot, Deepak Kotak, Chas Sheppard, Salman Siddiqui

COPD without Basal Airflow Obstruction: Clinical, Anthropometric, and Functional Characteristics
Balsam Barkous (ARIANA, Tunisia), Wieme Ben Hmid, Sonia Rouatbi, Helmi Ben Saad

Assessment of Pulmonary Function Testing and Lung Imaging in Long-Term Monitoring of Patients Recovering from COVID-19 Pneumonia
Abhisheka Kumar (Patna (Bihar), India)

Risk factors and outcomes of pneumomediastinum in COVID-19
Claudio Sorino (Fino Mornasco (CO), Italy), Stefano Negri, Emilia Mazzucca, Filippo Lococo, Michele Mondoni, Marcello Covino, Khrystyna Kuzymych, Sergio Agati, Marta Amata, Giuseppe Arcoleo, Luciano Gabbirelli, Roberta Pancani, Ersilia Tedeschi, Pierpaolo Baiamonte, Alessandro Sassu, Filippo Patrucco, Valentina Foci, Giampietro Marchetti, Federica Vernuccio, Erika Zanardi, Anna Talia Gaccione

Correlation between SpO2/FiO2 (S/F) ratio and PaO2/FiO2 (P/F) ratio in different modes of ventilation in COVID 19 positive patients in a tertiary hospital in the Philippines
NIKKA CARLA GERONA-PACARDO (ILOILO CITY, Philippines), Lorelei Sirilan

The study of endothelin-1 in venous and arterial blood in mechanically ventilated COVID-19 critically ill patients
Alice G. Vassiliou (Athens, Greece), Anastasia Roumpaki, Chrysi Keskinidou, Nikolas Athanasiou, Stamatios Tsipilis, Edison Jahaj, Charikleia Vrettou, Vassiliki Giannopoulou, Asimina Chalioti, Georgios Ferentinos, Ioanna Dimopoulou, Eleni Traill, Kerina Kosmatou, Stylianos E. Orfanos

Nosocomial infections rate in an ICU COVID population compared to an ICU population admitted in the pre COVID era
Georges Dabar (Beyrouth, Lebanon), Sasha-Jane Abi Aad, Carine Harmouch, Hind Eid

Comparison of vascular reactivity through infrared spectroscopy between critically ill patients with and without Covid-19 and healthy individuals
Ligia Roceto Ratti (Valinhos, Brazil), Luara Inocêncio Pereira Silva, Mariana Elias De Oliveira, Rodrigo Marques Tonella, Thays Roberta Pessoa De Freitas, Nathália De Vergueiro Affonso Santos, Bruna Scharlack Vian, Giovanni Grisotti Martins, Mônica Corso Pereira, Rickson Coelho Mesquita

Outcomes of concomitant PJP and CMV infection in non-HIV, critically ill patients
Wei-Syun Hung (Taiwan), Chun-Yu Lin, Horng-Chyuan Lin

Outcomes of patients with interstitial lung disease admitted to ICU for acute respiratory failure
Ludovica Benuzzi (Florence, Italy), Roberta Ginanni, Gianni Misuri, Vittoria Mazzotti, Mariangela Cascio Mariana, Federico Lavorini
ICU Mobility Scale as a predictor of hospital mortality in critically ill patients
Rodrigo Borges (São Paulo (SP), Brazil), Andrey Sousa, Cristiane Papacidero, Camila Botana, Vanessa Lima, Samantha Longhi, Mauricio Tobarra, Renata Santos

An analysis of the causes and outcome of patients with Hemoptysis in an ICU
Tanay Sinha (NAVI MUMBAI, India), Rosna Thomas, Harshita Mishra, Shivam Gurme, Jairaj Nair

Thrombolytic Therapy in Intermediate High-Risk Pulmonary Embolism: Safety and Outcomes

The impact of severe lung cancer on survival of non-small cell lung cancer
Huixin Jiang (Guangzhou, China), Wenhui Guan, Chengzhi Zhou

Correlation between respiratory parameters P0.1 and Pmus and clinical outcomes in patients under invasive mechanical ventilation
Ligia Roceto Ratti (Valinhos, Brazil), Lilian E. B. Delazari, Ádria Cristina Da Silva, Melissa Sibinelli, Larissa Olivato, Beatriz Bueno Dos Santos, Rigor Luiz Marconi Montedìoca, Emanuela Dos Santos, Luciana Castilho De Figueirêdo, Antonio Luis Eiras Falcão

PS-6 Session 326 12:30 - 14:00
Poster session: Tissue injury: insights into mechanisms and pathways

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

Method(s): Endoscopy and interventional pulmonology, Public health, Pulmonary rehabilitation, Cell and molecular biology

Tag(s): Basic science, Translational

Chairs: Michael Gerckens (München, Germany), H. Irene Heijink (Groningen, Netherlands)

Small extracellular vesicles in bronchial secretions from mechanically ventilated patients: when to collect and where from?
Rodopi Stamatiou (LARISA, Greece), Vasiliki Tsolaki, Sharadkumar Kholia, Costanza Emanueli, Demosthenes Makris

Involvement of Mieap-mediated mitochondrial quality control in regulating cellular senescence during COPD pathogenesis
Shun Inukai (Tokyo, Japan), Saburo Ito, Saiko Nishioka, Sachi Matsubayashi, Yuta Hirano, Shota Fujimoto, Masahiro Yoshida, Yu Fujita, Daisuke Takekoshi, Shunsuke Minagawa, Hiromichi Hara, Jun Araya

Effect of cellular stress and growth factors on COPD airway smooth muscle redox balance and glucose metabolism
Charalambos Michaeloudes (Nicosia, Cyprus), Kian Fan Chung, Pankaj K Bhavsar

Unfolded protein responses disrupt mitochondrial homeostasis and damage epithelium in COPD pathogenesis
Wanheng Li (Beijing, China), Yiling Chen, Baicun Li, Ting Yang

Caspase inhibition restored collagen I and fibronectin release in human lung fibroblasts exposed to cigarette smoke
Agnese La Mensa (Caltanissetta, Italy), Marco Buscetta, Maura Cimino, Maria Rita Giuffrè, Marta Cristaldi, Paola Dino, Roy Woldhuis, Fabio Bucchieri, Corry-Anke Brandsma, Chiara Cipollina

Unveiling the Role of PTCH1 in Airway Epithelial Repair Mechanisms in COPD Pathogenesis
Zhoude Zheng (Beijing, China), Junchao Jiang, Qing Liu, Yushi Zhang, Yuhang Huang, Xingyao Tang, Ke Huang, Baicun Li, Ting Yang, Chen Wang

Role of HSPA2 in CSE-Induced Apoptosis of BEAS-2B Cells
Jia Hou (Yinchuan, China), Jiale Zhao, Xinru Peng, Xia Wang, Zhijun Zhao, Juan Chen

Identification of senescent-like cells in airway organoids using single cell sequencing
Christoph Beisswenger (Homburg (Saar), Germany), Michelle Brand, Felix Ritzmann, Kathrin Kattler, Daniela Yildiz
N-acetylcysteine increases alpha-1 antitrypsin expression and secretion in a Z-AATD cell model
Francisco Jose Dasi Fernandez (Valencia, Spain), Paula Laguna-Lleonart, Maria Magallón, Lucia Bahuls, Silvia Castillio-Corullón

Lipoxin A4 (LXA4) attenuates oxidative stress-mediated response through TLR4 modulation in Primary Bronchial Epithelial Cells (PBECs)
Rosalia Gagliardo (Palermo (PA), Italy), Caterina Di Sano, Giuse Daniela Albano, Angela Marina Montalbano, Maria Ferraro, Pascal Chanez, Francesca Rappa, Mirella Profita

Gp130 triggers fibroblast activation and tracheal fibrosis via the YAP/β-catenin pathway
Mingyu Peng (Chongqing, China), Shuliang Guo

The role and mechanism of TNALP in granulation tissue proliferation and fibrosis after tracheal injury.
zhiquiang liu (Chongqing, China)

Type 2 inflammation mediates pulmonary vascular remodeling in a murine model of SSc-PAH
Christoph Tabeling (Berlin, Germany), Anna Birnhuber, Valentina Biasin, Pritesh P Jain, Ekaterina Boiarina, Jochen Wilhelm, Katharina Ahrens, Chandran Nagaraj, Andrea Olschewski, Martin Witzenrath, Leigh M Marsh, Grazyna Kwapiszewska

Modeling COPD with a complex tubular model of distal airways integrating the epithelial and mesenchymal compartments
Katharina Raasch (Pessac, France), Elise Maurat, Pauline Henrot, Maeva Zysman, Matthieu Thumerel, Laetitia Andrique, Patrick Berger, Pierre Nassoy, Gaëlle Recher, Isabelle Dupin

Biological profiles of nasal epithelium in long COVID

Effects of spray cryotherapy on cough receptors and airway microenvironment in a canine model of chronic bronchitis
long liang (Beijing, China)

Efficient nebulization and pulmonary biodistribution of polymeric nanocarriers in an acute lung injury preclinical model
Aina Arey Balagueró (Sabadell, Spain), Anna Solé-Porta, Marta Camprubi-Rimblas, Daniel Closa, Antonio Artigas, Anna Roig

Deciphering emphysema pathophysiology through an engineered 3D-lung organoid
Marina Guecamburu (Bordeaux, France), Arthur Pavot, Caroline Jeanniere, Yaniss Belaroussi, Matthieu Thumerel, Emma Samaniego, Hugues Begueret, Patrick Berger, Elise Maurat, Katharina Raasch, Vincent Studer, Pauline Henrot, Isabelle Dupin, Maëva Zysman

Cultured alveolar basal cells differ in their transcriptome, but display similar characteristics and functional properties to airway basal cells
Katrin Esther Hostettler (Basel, Switzerland), Sabrina Blumer, Petra Khan, Julien Roux, Natalia Artysz, Linda Plappert, Antje Prasse

Bronchial cell pyroptosis promotes Th17 proliferation and activation in vitro
Dong Yao (Guilin, China), Biwen Mo, Shuyuan Chu

Poster session: Mechanisms underlying asthma pathogenesis and management

Disease(s): Airway diseases
Method(s): Cell and molecular biology General respiratory patient care Pulmonary function testing Imaging
Tag(s): Translational

Chairs: Kornel Golebski (Amsterdam, Netherlands), Janna Nawroth (Munich, Germany)

The new macrolide EP395 reduces airway eosinophilic inflammation.
Jennifer Kricker (Reykjavik, Iceland), Virginia Norris, Clive P. Page, Yanira Riffo-Vasquez, Michael J. Parnham

Alterations in cellular functionality in chronic rhinosinusitis with nasal polyps
Philipp Kühlne (Bielefeld, Germany), Luisa Vossler, Melanie Gorte, Lars-Uwe Scholtz, Holger Sudhoff, Ingo Todt, Matthias Schuermann
Effect of anti-IL5R therapy on nasal epithelial cell permeability in severe eosinophilic asthma
Katie Raby (London, United Kingdom), Piers Dixey, Ali Versi, Nazanin Zounemat Kermani, Janice Koranteng, Kian Fan Chung, Pankaj Bhavsar

Decreased desmoplakin expression on bronchial epithelial cells promotes eosinophil transmigration in asthma
Xin Yao (Nanjing (Jiangsu), China), Yingwei Ou, Xijing Yuan, Ian Adcock

Immunophenotype of airway eosinophils in severe eosinophilic asthma
Thomas Stoup (Lille, France), Arnaud Dendooven, Emilie Delaunay, Edouard Cuvillon, Stephane Esnault, Louison Jan, Xing Li, Victor Margelidon-Cozzolino, Jacques Trauet, Thibault Vanderhaegen, Guillaume Lefèvre, Geoffrey Mortuaira, Cécile Chenivesse

Clinical utility of sputum cell count in severe asthma
Sunera Khan (Birmingham, United Kingdom), Sharron Gilbey, Anita Cass, Heather Stephens, Jessica Shingler, Anilkumar Pillai, Adel Mansur

Eosinophilic inflammation and purinergic signaling in asthma and COPD
Paula Camps Massa (Hospital de Llobregat, Spain), Mariana Muñoz-Esquerre, Marta López-Sánchez, Alfredo Marin-Muñiz, Javier Burgos-Lozano, Carmen Ardanuy, Sara Marti, Salud Santos

Involvement of cellular senescence due to insufficient autophagy in the asthmatic inflammation in elderly.
Saiko Nishioka (Tokyo, Japan), Shunsuke Minagawa, Masahiro Yoshida, Shun Inukai, Sachi Matsubayashi, Yuta Hirano, Shota Fujimoto, Saburo Ito, Yu Fujita, Daisuke Takekoshi, Takanori Numata, Hiromichi Hani, Jun Araya

IL-33 and TSLP differentially regulate airway inflammation and remodeling
Seblewongel Asrat (Tarrytown, United States), Subhashini Srivatsan, Brianna Buonagurio, Kirsten Nagashima, George Scott, Kaitlyn Gayvert, Wei Keat Lim, Dylan , Li-Hong Ben, Audrey Le Floc’H, Andrew Murphy, Matthew Sleeman, Jamie Orenge

Soluble ST2 release from airway epithelial cells is suppressed by house dust mite and the miRNA-29 family
Jenny Calvén (Gothenburg, Sweden), Hiba Sayedali, Carina Malmhäll, Kristina Johansson, Madeleine Rådinger

Single-cell proteomics and transcriptomics resolve the development of humand and murine eosinophils and the impact of IL-5 neutralization on the expansion of their lineage
Christophe Desmet (Liège, Belgium), Joseph Jorssen, Glenn Van Hulst, Kiréna Mollers, Julien Pujol, Georgios Petrellis, Antonio Baptista, Sjoerd Schetters, Frédéric Baron, Jo Caers, Bart Lambrecht, Benjamin Dewals, Fabrice Bureau

Effect of eotaxins and RANTES on blood eosinophil subtypes chemotaxis in allergic asthma
Airidas Rimkunas (Kaunas, Lithuania), Andrius Januskevicius, Egle Vasilyte, Jolita Palacinyte, Inesa Jermalaviene, Kestutis Malakauskas

The Impact of Bronchial Allergen Challenge on Eosinophil Subtype-Specific miRNA and Their Target Gene Expression in Allergic Asthma
Egle Vasylyte (Kaunas, Lithuania), Andrius Januskevicius, Airidas Rimkunas, Jolita Palacinyte, Inesa Jermalaviene, Kestutis Malakauskas

The effect of eosinophils on gene expression of ECM proteins, contractility and migration of ASMC and PF in asthma
Ieva Janulaityte (Kaunas, Lithuania), Airidas Rimkunas, Andrius Januskevicius, Virginija Kalinauskaite-Zukauske, Astra Vitkauskiene, Kestutis Malakauskas

Mepolizumab depleted eosinophils exhibit reduced transmigratory capacity.
Katie Raby (London, United Kingdom), Janice Koranteng, Piers Dixey, Ian Adcock, Andrew Menzies-Gow, Kian Fan Chung, Pankaj Bhavsar

Elucidating the Role of Macrophage GPX4 in Asthma Pathogenesis: A Single-Cell and Spatial Transcriptomic Study
LANLAN ZHANG (CHENGDU, China)

Asthma patients with airway autoimmunity have an altered composition of immune cells in the airway wall
Lise Lotte Eriksen (Copenhagen NV, Denmark), Daisy Bornesund, Morten Hvidtfeldt, Asger Sverrild, Manali Mukherjee, Jonas S Erjefält, Celeste Porsbjerg

PDGF promotes the interaction of nesprin-1 with NUP62 in human airway smooth muscle cells
Dale Tang (Albany, United States), Ruping Wang

Interleukin-33 directly drives the expansion of myeloid cells and their progenitors in vivo
Rajita Pappu (South San Francisco, United States), Jeff Duggan
Heterogeneous ILC responses in severe asthma patients undergoing anti-IL5/5Ra therapy
Kyle Mincham (London, United Kingdom), Lola Loewenthal, Garance Meyer, Martina Marfia, Minerva Garcia Martin, Pujan Patel, Clare Lloyd, Robert Snelgrove

Poster session: Positive airway pressure treatment for sleep-disordered breathing: outcomes, adherence and side effects

Disease(s): Sleep and breathing disorders, Airway diseases
Method(s): General respiratory patient care, Physiology, Pulmonary function testing, Epidemiology, Public health
Tag(s): Clinical
Chairs: Athanasia Pataka (Thessaloniki, Greece), Matteo Bradicich (Zurich, Switzerland)

Cardiovascular effects of CPAP withdrawal: an RCT post-hoc analysis using hypoxic burden
Matteo Bradicich (Zurich, Switzerland), Joël Julien Herzig, Michelle Mollet, Lara Benning, John Stradling, Malcolm Kohler, Esther Irene Schwarz

EFFECT OF CPAP TREATMENT ON THE INCIDENCE OF HYPERTENSIVE CRISES IN OBSTRUCTIVE SLEEP APNEA PATIENTS
Sergio Mompeán Rodríguez (Valencia, Spain), Grace Jacqueline Oscullo Yepez, Marina Inglés Azorin, Rosalía Martinez Perez, Jose Gomez Olivas, Thais Beauperrth Levy, Amina Bekki, Consuelo Lopez Fornas, Alberto García Ortega, Miguel Angel Martinez Garcia

The association between the Effective Apnea-Hypopnea Index and Blood Pressure Reduction Efficacy Following CPAP/oxygen treatment
Ni Yuenan (Chengdu (Sichuan), China), Robert Thomas

Aging reduces the impact of CPAP on sleepiness in OSA patients
Wojciech Trzepizur (Angers, France), Jérémie Riou, Nicole Meslier, Francois Goupil, Thierry Pigeanne, Jean-Louis Racineux, Frédéric Gagnadoux

Effect of non-respiratory arousals on residual sleepiness in CPAP-treated OSA patients
Alexandros Kalkanis (Leuven, Belgium), Dimitrios Papadopoulos, Sofia Schiza, Holger Hein, Winfried Randerath, Jean-Louis Pepin, Ludger Grote, Dries Testelmans

Positive Airway Pressure (PAP) Use in Obstructive Sleep Apnoea (OSA) Patients with and without Insomnia
Jean-Louis Pépin (Grenoble, France), Anita Malik, Atul Malhotra, Kimberly Sterling, Caleb Woodford, Peter Cistulli, Kate Cole

Efficacy of CPAP therapy on pulmonary function test in patients with COPD-OSA overlap syndrome
Pitirat Panpruang (Nonthaburi, Thailand), Somprasong Liamsomboon, Visasiri Tantrakul, Prapaporn Pornsuriyasak, Naparat Amornputtisathaporn

IMPACT OF OBSTRUCTIVE SLEEP APNEA AND CPAP TREATMENT ON NEUROPSYCHOLOGICAL AND COGNITIVE FUNCTION
BELLEN Muñoz Sánchez (Sevilla, Spain), M.I. Asensio-Cruz, P. Álvarez De Toledo, J.F. Martín-Rodríguez, F. Sanmartino, A. Rodríguez-Baena, L. Garrote-Espinosa, P. Mir, A. Sánchez-Armengol, C. Caballero Eraso

Continuous positive airway pressure compliance in patients with mild cognitive impairments
Raphaël Briand (Lille (Hauts-de-France), France), Olivier Le Rouzic, Stéphanie Fry, Cécile Chenissesse, Thibaud Lebouvier, Lanvin Lise

The effect of high-risk alcohol consumption measured by Audit-C tool, on continuous positive airway pressure (CPAP) compliance in obstructive sleep apnoea syndrome (OSAS)
John Seymour (Farnham (Surrey), United Kingdom), Iain Wheatley, Elizabeth Spillan Ind

Can nocturnal respiratory failure predict adherence to PAP therapy in patients with OSAS?
Sara Quaranta (Alessano, Italy), Laura Anna Sara Cuccaro, Ilaria Dei Lazzaret, Sebastiano Spierio, Monica Amendolare, Massimo Casparini, Valentina Di Lecce, Carla Santomas, Andrea Portacci, Esterina Boniello, Luciana Labate, Giovanna Elisiana Carpanano

Prevalence and risk factors of low respiratory arousal threshold in patients with severe obstructive sleep apnea
Claire Bianquis (Saint-Prix, France), Maxime Patout, Margaux Blanchard, Abdel Kebir Sabil, Wojciech Trzepizur, François Goupil, Thierry Pigeanne, Sebastien Bailly, Frederic Gagnadoux

Impact of cloud-based monitoring system on remote support for newly initiated CPAP therapy
Ming Ren Toh (SINGAPORE, Singapore), Kathy Sock Khim Chan, Rui Ya Soh
PA3550 Implementation of CPAP telemonitoring and pay for performance scheme in France translated in personalized homecare provider actions
Joëlle Texereau (Paris, France), Sébastien Bailly, Jean-Christian Borel, Kébir Sabil, Jean-Louis Pépin

PA3551 Value-Based Healthcare implementation by homecare providers for chronic respiratory patients
Marie Lambert (Bagneux, France), Sarah Alami, David Rudilla, Imbault Lea, Roman Ana, Ricordeau Cariosa, Leonardi Jennifer

PA3552 Long term efficiency of azelastine hydrochloride and fluticasone propionate nasal spray to improve PAP adherence in patients with obstructive sleep apnea.
Kasidit Wunganusorn (Prathumthani, Thailand), Chatkarin Tepwimonpetkun

PA3553 What is the true prevalence of CPAP-related GI side effects in the UK?
Ceaf Aday (Rotherham, United Kingdom), Nabhan Zakir, Mohid Khan, Sahid Hussain, Janu Navaratnam, Ari Manuel, Sriram Iyer

PA3554 Effect of adaptive servo-ventilation on cardiac repolarization in patients with myocardial infarction and sleep-disordered breathing
Michael Kohn (Regensburg, Germany), Stefan Stadler, Jan Pec, Aya Kassim, Michael Koller, Stefan Buchner, Michael Arzt, Christoph Fisser

PA3555 Impact of sleep-disordered breathing and its treatment with ASV on left ventricular structure and function in heart failure
Shoichiro Yatsu (Toronto, Canada), Anna Woo, Christian M Horvath, Tomoyuki Tobushi, Alexander G Logan, John S Floras, T. Douglas Bradley

PA3556 Pure Central Sleep Apnea: description of a case series at tertiary hospital in Portugal
Joana Catarina Neto Lourenço (Porto, Portugal), Sofia Sousa, Joana Borges, Margarida Redondo, Marta Drummond

PS-9 Session 329 12:30 - 14:00
Poster session: Advances in biological therapy for asthma

Disease(s) : Airway diseases Pulmonary vascular diseases
Method(s) : General respiratory patient care Pulmonary function testing
Tag(s) : Clinical
Chairs : Vanessa M. McDonald (Newcastle (NSW), Australia), Francisco-Javier Gonzalez Barcala (Santiago de Compostela, Spain)

PA3557 Late Breaking Abstract - A Dose-Ranging Study of the Inhaled Dual PDE3/4 Inhibitor TQC3721 in COPD Patients
Weiguo Li (Nanjing, China), ZHU LUO, Ling Yang, Anqi Yang, Ding Yu, Weimin Li

PA3558 Pharmacokinetics of AZD8630/AMG 104 inhaled anti-TSLP in healthy adults and asthma patients
Sara Asimus (Möln达尔, Sweden), Waqas Muhammad Sadiq, Jason Cooper, Davinder Dosanjh, Xiao-Hong Zhou, Hitesh Pandya, Michael Cushion, Valmira Podrimcaku, Jane Barnes, Lubna Abuqayyas, Nestor Molfinio, Sarah Doffman

PA3559 Biomarkers and phenotyping: a holistic approach to asthma treatment with tezepelumab
David Jackson (London, United Kingdom), Guy Brusselle, Michael E Wechsler, Simon Couillard, J Christian Virchow, Jean-Pierre Llamos, Gillian Hunter, Stephanie L Rosett, Neil Martin, Ian D Pavord

PA3560 A comparison of T2 biomarker suppression with Tezepelumab in the real world and phase 3 NAVIGATOR study
Jessica Gates (London, United Kingdom), Faizan Harris, Linda Green, Jodie Lam, Mariana Fernandes, Louise Thomson, Cris Roxas, Grainne D’Ancona, Jaideep Dhariwal, Alexandra M. Nanzel, David J. Jackson

PA3561 Tezepelumab in eosinophilic granulomatosis with polyangiitis (EGPA)
Alexandra Nanzer (London, United Kingdom), Anne-Catherine Maynard-Paquette, Jessica Gates, Faizan Harris, Cris Roxas, Linda Green, Mariana Fernandes, Louise Thomson, Jodie Lam, Grainne D’Ancona, Claire Hopkins, Michelle Fernando, Tevfik Ismail, Jaideep Dhariwal, David Jackson

PA3562 Pharmacokinetics, pharmacodynamics and safety of tezepelumab in children with asthma
Anna Lundahl (Möln达尔, Sweden), Jonathan Grigg, Gillian Hunter, Beata Pawlikowska, Cecil Chen, Jacob Leander, Michael Levin, Atul Gupta, James Paton, Katharine C Pike, Lubna Abuqayyas, Mickel Latchman, Stephanie L Rosetti

PA3563 Can we trust the SOURCE ? Real world maintenance OCS reduction outcomes in complex severe asthmatics on Tezepelumab
Irene Berrar Torre (London, United Kingdom), Vincent Brennan, Rachel Stead, Ella Campbell, Edel Lawless, Ilie-Narcis Statescu, Pujan Pateli
ARRIVAL: a phase 3b study to assess potential for tezepelumab to reduce maintenance inhaled therapy and induce remission in patients with severe asthma
Elliot Israel (Boston, United States), Guy Brusselle, Arnaud Bourdin, J Christian Virchow, Ian D Pavord, David J Jackson, Andréanne Côté, Jean-Pierre Llanos, Kinga Salapa, Nanna Keeling, Benjamin Emmanuel, Neda Stjepanovic, Neil Martin

Effects of azithromycin in severe eosinophilic asthma with concomitant monoclonal antibody treatment
Gabriel Lavoie (MONTREAL, Canada), Imran Howell, James Melhorn, Catherine Borg, Laura Bermejo-Sanchez, Jack Seymour, Maisha Jabeen, Anastasia Fries, Gareth Hynes, Ian Pavord, Nayia Petousi, Timothy Hinks

Vitamin D status and the response of anti-IL 5 drugs in severe asthma.
Alaya Salman Aldoseri (Clonsilla, Dublin, Ireland), Isra Hussein, Suzanne Hegarty, Isalynne Delagua, Liam Cormican, John Faul

The symptomatic benefit from asthma biologics is not sustained throughout the dosing schedule
Rahul Mittal (Southampton, United Kingdom), Ma Pantaleon, Chellan Eames, Sumita Kerley, Ciara Whitfield, Jodi McCreery, Peter Cook, Anna Freeman, Hans Michael Haitchi, Ramesh J Kurukulaaratchy, Paddy Dennison, Hitasha Rupani

Efficacy comparisons of biologic therapies for asthma in adults: a real-life study
Dekel Shlomi (Tel-Aviv, Israel), Mor Pinkas, Nadav Pinkas, Shira Hazon, Noga Yossef, Kobi Cohen

Effectiveness of switching to Dupilumab from other biologics therapy in patients with severe asthma.
Aureliano Ais-Daza (Cádiz, Spain), Angel Carmona-Gonzalez, Sofia Gutierrez-Hernandez, Raquel De Andres-David, Francisco Perez-Grimaldi, Gregorio Soto-Campos, Sergio Garcia-Morales, Aurelio V. Arnedillo Muñoz

EVALUATION OF A CUT-OFF POINT IN THE FEOS SCORE FOR ASSESSING RESPONSE TO BIOLOGICS IN PATIENTS WITH SEVERE ASTHMA
Daniel Laorden (Madrid, Spain), David Romero, Maria Alejandra Castillo, Elena Villamañán, Itsoso Losantos, Javier Domínguez-Ortega, Santiago Quirce, Rodolfo Álvarez-Sala Walther

Optimization of biological therapy in severe asthma
JOSE WILLIAM PULIDO (MEDELLIN, Colombia), Rosa Farfán, Alejandra Rendon, Juliana Madrigal, Jorge Ivan Estrada, José Miguel Abad

Effectivity of dupilumab in patients with severe asthma in real clinical practice using EXACTO score
Juan Manuel Diez Piña (Sevilla, Spain), Francisco Casas Maldonado, Francisco Javier Álvarez Gutiérrez, Alicia Padilla Galo, Jose Gregorio Soto Campos, Lorena Pinel Jiménez, Gerardo Pérez Chica, Ana Gómez-Bastero Fernández

Bacterial lysate (BL) OM-85 reduces number and severity of respiratory tract infections (RTIs) in adults with allergic asthma: a RWE retrospective study
Antonios Christopoulos (Patras, Greece), Maria Elpida Christopoulou, Lilia Panteli

Long-term effectiveness of initiating biologics on lung function in patients with severe uncontrolled asthma in the multi-biologics era: PROSPECT study
Kazuhsa Asai (Osaka, Japan), Takashi Iwanaga, Mai Takahashi, Masahiro Eda, Yoshifumi Arita, Takehiro Hirai, Tadatuka Yabuta, Naoyuki Makita, Yuji Tohda

Clinical and molecular response to treatment with dupilumab in patients with severe type 2 asthma
Luka Kunej (Otočec, Slovenia), Saša Rink, Peter Korošec, Urška Bidovec-Stojkovic, Matevž Harlander, Sabina Škrsga

Joint session: Bronchiectasis: entering a new era
Disease(s): Respiratory infections
Tag(s): Clinical
Chairs: Michal Shteinberg (Haifa, Israel), Natalie Lorent (Leuven, Belgium)

12:45 Bronchiectasis year in review: treating inflammation
James D. Chalmers (Dundee (Angus), United Kingdom) 3576

13:05 Bronchiectasis year in review: treating infection
Sanjay Haresh Chotirmall (Singapore, Singapore) 3577

13:25 Discussion and Q&A 3578

12:45-13:45 INDUSTRY LUNCHTIME SYMPOSIUM SEE PAGE 1
**Joint session: Inhaler technique: actually making a difference**

**Aims:** To address the common obstacles respiratory physicians and allied health personnel face in successful therapy with inhaled drugs. What are the patients’ perspectives on combining different inhalers, and how can we include them in our decision? How do we choose the most appropriate inhaler device and improve the inhaler technique? How can novel digital tools help us, and how can we incorporate them into our daily practice?

**Disease(s):** Airway diseases, Paediatric respiratory diseases

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

**Tag(s):** Clinical

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

**Chairs:** Frans H.C. De Jongh (Enschede, Netherlands), Apostolos Bossios (Stockholm, Sweden)

**Programme:**
- **12:45** Patient perspectives on inhalers choice: one-to-many
- **12:50** Service-level strategies for choosing the right inhaler and implementing improved inhaler technique
- **13:05** Digital strategies that can improve inhaler technique
- **13:20** Digital innovations for monitoring our patients within respiratory medicine
- **13:35** Discussion and Q&A

**State of the art session: Pulmonary vascular diseases**

**Aims:** To introduce a novel and updated approach to risk stratification for pulmonary embolism (PE), exploring new tools and methodologies to more precisely and efficiently identify patients at higher risk; to explore and discuss the latest advances in the diagnosis of PE, covering new technologies, imaging methods and clinical approaches that enhance the accuracy and timeliness of diagnosis; to provide a detailed, evidence-based review of the diagnosis of PE and optimal prevention strategies for venous thromboembolism in pregnant women, considering both maternal and fetal safety; to analyse secondary prevention strategies for PE in cancer patients, examining therapeutic and prophylactic approaches that address the specific complexities of this patient population.

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

**Method(s):** Epidemiology, General respiratory patient care, Imaging

**Tag(s):** Clinical

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Patient, Radiologist, Respiratory therapist, Journalist

**Chairs:** Olivier Sitbon (Le Kremlin-Bicêtre, France), Luis Jara-Palomares (Sevilla, Spain), Judith Löffler-Ragg (Innsbruck, Austria)

**Programme:**
- **13:45** New approach to risk stratification of pulmonary embolism
- **14:00** Advances in the diagnosis of pulmonary embolism
- **14:15** Evidence-based diagnosis of pulmonary embolism and optimal prevention of venous thromboembolism in pregnancy
- **14:30** Secondary prevention of pulmonary embolism in patients with cancer
- **14:45** Discussion and Q&A
Aims: To provide information about adherence to continuous positive airway pressure (CPAP) and the risk of cardiovascular events in patients with obstructive sleep apnoea; to provide an update about the effect of a palliative telecare team on the quality of life of patients who have chronic obstructive pulmonary disease (COPD), heart failure and interstitial lung disease; to provide information about the association of airway-occluding mucus plugs and mortality in patients with COPD.

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

Tag(s): Clinical

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

Chairs: Kristin Walter (Chicago, United States), Chair to be confirmed

13:45 Adherence to continuous positive airway pressure and risk of cardiovascular events
Fernando Eduardo Barbe Illa (Lleida, Spain) 3606

14:00 Effect of a nurse and social worker palliative telecare team versus usual care on quality of life of patients with COPD, heart failure and interstitial lung disease
David Au (Seattle, United States) 3607

14:15 Airway-occluding mucus plugs and mortality in patients with COPD
Padma P. Manapragada (Birmingham, United States) 3608

14:30 Discussion and Q&A
All Speakers 3609

C5 Session 337 13:45 - 15:15
State of the art session: Sleep and breathing disorders
Latest treatment recommendations for sleep-disordered breathing

Aims: To present latest findings of the new international guidelines and clinical trials on non-continuous positive airway pressure therapy for obstructive sleep apnoea and treatment of obesity hypoventilation syndrome; to present how the resulting treatment recommendations can be implemented in various settings will be presented alongside the latest findings on sleep-associated breathing disorders in patients with obstructive (chronic obstructive pulmonary disorder) and restrictive (obesity, neuromuscular and chest wall diseases and interstitial lung diseases) ventilation disorders; to discuss an evidence-based treatment strategy for obstructive sleep apnoea and sleep-disordered breathing in patients with respiratory disease in the age of phenotyping.

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

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

Tag(s): Clinical

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

Chairs: Matteo SICILIANO (ROMA, Italy), Maria Rosaria Bonsignore (Palermo, Italy), Esther Irene Schwarz (Zürich, Switzerland)

13:45 Challenges and perspectives in the implementation of the ERS guidelines for non-continuous positive airway pressure treatments of obstructive sleep apnoea
Winfried J. Randerath (Solingen, Germany) 3610

14:00 Current recommendations for the treatment of obesity hypoventilation syndrome
Jean-Louis Pepin (Grenoble, France) 3611

14:15 Latest findings on the treatment of obstructive sleep apnoea in patients with COPD and interstitial lung disease
Sophia E. Schiza (Heraklion, Greece) 3612

14:30 Latest findings on obstructive sleep apnoea and sleep-disordered breathing in neuromuscular and chest wall diseases
Dries Testelmans (Leuven, Belgium) 3613

14:45 Discussion and Q&A
All Speakers 3614

C1 Session 338 13:45 - 15:15
Symposium: Functional lung imaging in respiratory diseases
Aims: To review the state-of-the-art modalities and concepts used for lung functional imaging; to highlight the main applications of functional lung imaging in disorders such as asthma, chronic obstructive pulmonary disease, interstitial lung diseases, lung diseases of infancy and cystic fibrosis; to describe how lung functional imaging provides unique insight into disease processes, and allows early-phase disease detection and precise lung functional phenotyping, and when and how it may provide imaging endpoints or biomarkers to assess new therapeutic interventions.

Disease(s): Airway diseases, Interstitial lung diseases, Paediatric respiratory diseases

Method(s): Imaging, Physiology, Pulmonary function testing

Tag(s): Clinical

Target audience: Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Physiologist, Radiologist, Scientist (basic, translational), Thoracic oncologist, Respiratory therapist, Journalist

Chairs: Sam Bayat (Grenoble, France), Elżbieta Magdalena Grabczak (Warszawa, Poland)

13:45 New insight from functional lung imaging in asthma
Grace Parraga (London (ON), Canada)

14:00 Functional lung computed tomography of ventilation and perfusion in COPD
Dirk-Jan Slebos (Groningen, Netherlands)

14:15 Imaging lung perfusion in interstitial lung diseases
Helen Marshall (Sheffield (South Yorkshire), United Kingdom)

14:30 Lung functional MRI imaging in paediatric respiratory diseases
Jason Woods (Cincinnati, United States)

14:45 Discussion and Q&A
All Speakers

C6 Session 339 13:45 - 15:15

Hot topics: The future of lung transplantation for cystic fibrosis

Aims: To discuss how the landscape of therapies and lung transplantation in cystic fibrosis (CF) has changed in the last year, covering the marked drop in lung transplant referrals due to the introduction of CF transmembrane conductance regulator modulator therapies; the change in the phenotype of CF lung transplant candidates, who are now older, have more complex multi-drug-resistant colonisations and more severe extra-respiratory comorbidities and sometimes need multi-organ transplantation; challenges in post-transplant management including the use of modulator therapies after transplant; and the use of artificial intelligence in patient phenotyping.

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

Method(s): General respiratory patient care, Imaging, Transplantation

Tag(s): Clinical

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

Chairs: Francesco Blasi (Milan, Italy), Peter Jaksch (wien, Austria), Dorina Rama Esendagli (Ankara, Turkey)

13:45 Patient's perspective

13:50 Is Cystic Fibrosis still an indication for lung transplantation?
Clémence Martin (Paris, France)

14:05 Can machine learning help us in phenotyping CF and predict prognosis?
Tamara Vagg (Cork, Ireland)

14:20 Lung transplant in Cystic Fibrosis: current status and future challenges
Alberto Benazzo (Wien, Austria)

14:35 Lung transplant in CF: the role of integrated care and modulator therapies after lung transplantation.
Christian Benden (Boston, United States)

14:50 Discussion and Q&A
All Speakers

A2 Session 340 13:45 - 15:15

Mini symposium: Basics and advances of respiratory physiology in acute and chronic respiratory failure

Aims: To discuss the basics and advances of respiratory physiology in the context of acute and chronic respiratory failure.
Disease(s) : Respiratory critical care
Method(s) : Respiratory intensive care
Tag(s) : Clinical
Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Pathologist, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Respiratory therapist

Chairs : Peter J. Wijkstra (Groningen, Netherlands), Claudia Crimi (Catania (CT), Italy)

13:45 Pathophysiology of CO2 in acute and chronic respiratory failure
Christian Karagiannidis (Cologne, Germany)

14:00 Pathophysiology of O2 in respiratory failure: from oxygen targets to toxicity
Jens Gottlieb (Hannover, Germany)

14:15 Diaphragm dysfunction in acute and chronic respiratory failure
Annemijn Jonkman (Rotterdam, Netherlands)

14:30 Discussion and Q&A
All Speakers

C3 Session 341 13:45 - 15:15
Mini symposium: What you always wanted to know about spatial transcriptomics
Lung spatial transcriptomics

Aims : To introduce spatial transcriptomics; to showcase selected examples of how this methodology has been applied to lung research; to provide a forward-looking perspective of how these spatial data can be integrated with other data to provide unique insight into lung biology; to introduce the Lung Spatial Consortium to the wider community.

Disease(s) : Airway diseases
Method(s) : Cell and molecular biology Imaging Physiology General respiratory patient care
Tag(s) : Translational, Congress theme: Humans and Machines: getting the balance right
Target audience : Clinical researcher, Medical Student, Paediatrician, Pathologist, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Respiratory therapist

Chairs : Silke Meiners (Sülfeld, Germany), Niki L. Reynaert (Maastricht, Netherlands), Ian Sayers (Nottingham (Nottinghamshire), United Kingdom)

13:45 Using spatial resolution to understand lung biology and disease
Francesca Polverino (Houston, United States)

14:00 Dissecting pulmonary fibrosis: novel insights from spatial profiling
David A. Schwartz (Aurora, United States)

14:15 A spatially resolved atlas of the human lung
Duy Pham (Cambridge, United Kingdom)

14:30 Discussion and Q&A
All Speakers

14:00-14:45
INDUSTRY SKILLS LAB WORKSHOP SEE PAGE 1

Studio Session 344 14:00 - 14:45
Congress theme: Use of artificial intelligence as a predictive modelling and diagnostic tool for COVID-19

Aims : To explain how artificial intelligence (AI) can analyse large datasets to identify risk factors for development and progression of long COVID, helping healthcare providers to anticipate and manage cases more effectively; to explain how AI-powered diagnostic tools can help identify long COVID symptoms and predict potential complications based on individual patient data, facilitating early intervention and personalised treatment plans.
**Disease(s):** Airway diseases, Respiratory infections

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

**Tag(s):** Congress theme: Humans and Machines: getting the balance right

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

**Chairs:** Barbara Hoffmann (Düsseldorf, Germany), Judith Garcia-Aymerich (Barcelona, Spain)

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<tr>
<td>14:00</td>
<td><strong>AI and Machine Learning for diagnosis and risk factors identification in long COVID development</strong>&lt;br&gt;Om Prakash Kurmi (Coventry, United Kingdom)</td>
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<tr>
<td>14:15</td>
<td><strong>Personalised diagnosis in complex diseases including long COVID patients, using AI and machine learning</strong>&lt;br&gt;Sundeep Santosh Salvi (Pune (Maharashtra), India)</td>
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<tr>
<td>14:30</td>
<td><strong>Discussion and Q&amp;A</strong>&lt;br&gt;All Speakers</td>
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**Session 345 14:15 - 15:30**

**Oral presentation: Recent advances in biological treatments for asthma and chronic obstructive pulmonary disease**

**Disease(s):** Airway diseases, Respiratory critical care

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

**Tag(s):** Clinical, Translational

**Chairs:** Florence Schleich (Liège, Belgium), Manali Mukherjee (Hamilton (ON), Canada)

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<th>Number</th>
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<tr>
<td>OA3644</td>
<td>Enhanced in vitro potency of depemokimab for interleukin-5 inhibition versus mepolizumab</td>
<td>David Jackson (London, United Kingdom), Parmjit Bahra, Karen Affleck, James Zangrilli, Peter Howarth, Tricia Finney-Hayward, Dave Singh</td>
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<td>OA3645</td>
<td>Reduction in exacerbations with itepekimab in former smokers with chronic obstructive pulmonary disease (COPD) by prior exacerbation frequency</td>
<td>Klaus F. Rabe (Kiel, Germany), Stephanie A Christenson, Arnaud Bourdin, Dave Singh, Nicola Hanania, Amy Praestgaard, Xavier Soler, Michel Djanji, Yamo Deniz, Paul J Rowe, Harry Sacks, Juby Jacob-Nara</td>
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<tr>
<td>OA3646</td>
<td>A phase 2 study of SelK2 on sputum cell counts in COPD</td>
<td>Dave Singh (Manchester, United Kingdom), Alex Mulvanny, Naimat Khan, Russell Rother</td>
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<td>OA3647</td>
<td>Depemokimab PK/PD in the 52-week randomised double-blind multicentre Phase III SWIFT-1 trial</td>
<td>Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Stein Schalkwijk, Anders Thorsted, Nicholas Bird, Loretta Jacques, Stepanie Korn</td>
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<tr>
<td>OA3648</td>
<td>Late Breaking Abstract - Depemokimab efficacy/safety in patients with asthma on medium/high-dose ICS: The Phase IIIA randomised SWIFT-1/2 studies</td>
<td>David Jackson (London, United Kingdom), Michael E. Wechsler, Daniel J. Jackson, Stephanie Korn, David Bernstein, Paul E. Pfeifer, Gustavo De Luiz Martinez, Ruchong Chen, Junpei Saito, Loretta Jacques, Nicholas Bird, Stein Schalkwijk, Douglas Smith, Ian D. Pavord</td>
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<td>OA3649</td>
<td>Dupilumab reduces mucus plugging and volume: phase 4 VESTIGE trial</td>
<td>Celeste Michala Porsbjerg (Copenhagen, Denmark), Eleanor Duncan, Njira L Lugogo, Mario Castro, Alberto Papi, Nina Vibeke Backer, Christopher E Brightling, Arnaud Bourdin, Johann Christian Virchow, Mei Zhang, Xavier Soler, Paul J Rowe, Yamo Deniz, Lucía De Prado Gómez, Harry Sacks, Juby Jacob-Nara</td>
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<tr>
<td>OA3650</td>
<td>Tezepelumab reduces the expression of MUC5AC in patients with asthma</td>
<td>Kristoffer L. Norheim (Copenhagen, Denmark), Juan José Nieto-Fontarigo, Morten Hvidtfeldt, Mandy Menzel, Jennifer Kerley, Jane Parnes, Jonas S. Erjefält, Lena Uller, Celeste Porsbjerg, Asger Sverrild</td>
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<td>OA3651</td>
<td>32-week data from a multiple ascending-dose study with vereikutig, a novel antibody to the human TSLR receptor (TSLPR), in adults with asthma</td>
<td>Aaron Deykin (Cambridge, United States), Chaim M. Brinkman, Peter Lloyd, Ivan Nestorov, Ashish Kalra, Subhabrata Biswas, Arkadeep Sinha, Sumathi Sivapalasingam, Oren Becker, Dave Singh</td>
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Proof of Mechanism for an inhaled anti-TSLP fragment antibody, AZD8630/AMG104, in a phase 1 study in healthy adults and asthma patients

Ian C. Scott (Cambridge, United Kingdom), Kristina Kovacina, Mathias Cardner, Avni V. Ghandi, Jenny Tran, Sonia Terrillon, Kevin Gorski, Jason Cooper, Nick White, Sara Asimus, Waqas Sadiq, Davinder P.S. Dosanjh, Anton Rosenbaum, Jane R. Parnes, Nestor Molfino, Zach Brohawn, Adam Platt, Steve Burns, Sarah Doffman

Safety and PK of KN-002 in subjects with moderate to severe asthma using ICS/LABA

Dave Singh (Manchester, United Kingdom), Christopher O'Brien, Frazer Morgan, Gary Burgess, Nolan Wood, Julie Young

Discussion and Q&A

All Speakers
**Disease(s):** Airway diseases, Interstitial lung diseases

**Method(s):** General respiratory patient care, Pulmonary rehabilitation, Physiology, Cell and molecular biology, Palliative care

**Tag(s):** Clinical

**Chairs:** William Man (Harefield, United Kingdom), Rachael A. Evans (Leicester (Leicestershire), United Kingdom)

**OIA3666**
Late Breaking Abstract - Symptom-based rehabilitation (REHAB) vs. usual care in people with post COVID-19 condition – the Reload trial: a randomized controlled trial (RCT)
Tessa Schneeberger (Schönau am Königssee, Germany), Inga Jarosch, Daniela Leitl, Rainer Gloeckl, Bernhard Ulm, Clancy John Dennis, Andreas Rembert Koczulla

**OIA3667**
The utility of the modified desaturation distance ratio (mDDR) as a predictor of mortality in interstitial lung disease.
Rodrigo Torres Castro (Barcelona, Spain), Xavier Alsina Restoy, Yolanda Torralba, Verónica Sierra, Pamela Kette, Fernanda Hernández, Joel Franchesqui, Nuria Albacar, Sandra Cuerpo, Nancy Pérez Rodas, Isabel Blanco, Jacobo Sellarés

**OIA3668**
Post-Hospital COVID-19 Rehabilitation (PHOSP-R): A randomised controlled trial

**OIA3669**
Impact of omitting annual reviews for COPD on patient-reported care quality
Parris Williams (London, United Kingdom), Leena Buchir, Andrew Cumella, Keir Philip, Micheal Polkey, Anthony Laverty, Nicholas Hopkinson

**OIA3670**
Culturally adapted pulmonary rehabilitation for people with post-tuberculosis lung disease in Kyrgyzstan: a randomised controlled trial of clinical and cost-effectiveness
Azamat Akylbekov (Bishkek, Kyrgyzstan), Aijan Taalaibekova, Mark W. Orme, Maamed Mademilov, Gulzada Mirzalieva, Jesse Matheson, Matthew Richardson, Andy Barton, Michael C. Steiner, Dominic Malcolm, Talant Sooronbaev, Sally J. Singh

**OIA3671**
Clinical and cost-effectiveness of pulmonary rehabilitation for people with post-tuberculosis lung disease in Uganda: a randomised controlled trial
Winceslaus Katagira (Kampala, Uganda), Mark W. Orme, Richard Kasiiita, Rupert Jones, Andy Barton, Jesse A. Matheson, Matthew Richardson, Michael Steiner, Bruce Kirenga, Sally J. Singh

**OIA3672**
The effect of pulmonary rehabilitation design on outcomes: a component network meta-analysis
Thomas Ward (Leicester, United Kingdom), Enya Daynes, Suzanne Freeman, Muhammed Haris, Majda Bakali, Sarah Ward, Sophie Reap, Akash Mavilakandy, Aarionla Olaya, Hnin Aung, Theresa Harvey-Dunstan, Sally Singh, Rachael Evans, Neil Greening, Michael Steiner, Alex Sutton, Lorna Latimer

**OIA3673**
Integrating palliative care education in pulmonary rehabilitation - a feasibility study
Maria Aurora Pinto Mendes (Penafiel, Portugal), Daisy J A Janssen, Alda Marques

**OIA3674**
Association between SARC-F status and long-term physical function after COVID-19 hospitalisation
George Mills (Leicester, United Kingdom), Hamish Mcauley, William Man, Sally Singh, Betty Raman, Alex Horsley, Louise Wain, Janet Lord, Christopher Brightling, Rachael Evans, Neil Greening

**OIA3675**
Effect of a pulmonary rehabilitation (PR) programme on extracellular matrix (ECM) protein expression in vastus lateralis muscle in atrophic and non-atrophic COPD
Davina C M Simoes (Newcastle upon Tyne, United Kingdom), Efpraxia Kritikaki, Gerasimos Terzis, Ioannis Vogiatzis

**OIA3676**
Discussion and Q&A
All Speakers

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**Session 348**

**Oral presentation: Respiratory infection: from bench to bedside**

**Disease(s):** Airway diseases

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

**Tag(s):** Translational

**Chairs:** Thomas Wilkinson (Southampton (Hampshire), United Kingdom), Lydia Finney (London, United Kingdom)

**OIA3677**
Late Breaking Abstract - Public health impact of adjuvanted RSVPreF3 vaccination of older adults in six Latin American countries
Adriana Guzman Holst (Wavre, Belgium), Ru Han, Desirée A. M. Van Oorschot, Otavio Cintra, Jorge A. Gomez
Adjuvancy effects of a RIG-I agonist (RIG101) on H1N1 HA antigen intranasally vaccinated mice and human nasal epithelium/PBMCs co-culture
Shyreen Hassibi (London, United Kingdom), Leah Daly, Ian Knowles, Jag Shur, Garth Rapeport, Susan Sobolov, Kazuhiro Ito

Molecular Mechanisms of DNase Inhibition of Early Biofilm Formation Pseudomonas aeruginosa or Staphylococcus aureus: A Transcriptome Analysis
Qin Jiaoxia (nanning, China)

Lung and gut microbiota are associated with long-term pulmonary function recovery after severe COVID-19: a 1-year follow-up study
Sabine Stadler (Lausanne, Switzerland), Luca Stickley, Eric Bernasconi, Seher Guney, Louis Mercier, Berra Erkosal, Manuela Funke-Chambour, Christophe Von Garnier, Niki Ubags

Gut Eggerthella lenta aggravates chronic pulmonary infection through taurine ursodeoxycholic acid induced neutrophil dysfunction
Lele Wang (Shanghai, China), Xiuyue Shen, Yingzhou Xie, Jinfu Xu

Respiratory Infections Prediction via Wearable Sensors: A Machine Learning Approach
Yibing Chen (Beijing, China), Lu Cao, Guojing Han, Lixin Xie, Jing Li, Yuqi Cui

Single-cell analysis of Mucosal Associated Invariant T cells in influenza A virus infection
Timothy Hinks (Oxford, United Kingdom), Yuqing Long, Xiwei Zhang, Theodoros Kapellos, Paul Klenerman

Clinical effectiveness, safety and viral mutagenicity of oral favipiravir for COVID-19: Results from a phase II/III trial.
Kevin Blyth (Glasgow (Glasgow), United Kingdom), Matthew Tate, Lucy Paterson, Elaine Mccartney, Helene Thygesen, Caroline Kelly, Rory Gunson, Janet T. Scott, Laura Divers, Laura Cunningham, Jon Perkins, Vanessa Silva, Poppy Holland, Christopher R.J. Illingworth, Sreenu Vattipally, Ana Da Silva Felipe, Emma C. Thomson, Michael E. Murphy, Gordon Macgregor

Clinical characteristics of patients one year after hospitalisation for viral lower respiratory tract disease: A descriptive US claims analysis
Ekaterina Maslova (Reading, United Kingdom), Malin Fageras, Joanne Mcpeake, Susan Johnson, Gopal Dalal, Hashmath Ulla Syed, Nadir Yehya

CFTR modulator therapy does not alter breath profiles in cystic fibrosis
Elias Seidl (Zurich, Switzerland), Andrew Zikic, Rianne De Vries, Felix Rutgen, Hartmut Grasemann

Discussion and Q&A
All Speakers

Straus2  Session 349  14:15 - 15:30

Oral presentation: Current concepts for physical activity and exercise in chronic lung disease

Disease(s): Airway diseases, Interstitial lung diseases
Method(s): Epidemiology, General respiratory patient care, Public health, Pulmonary rehabilitation, Cell and molecular biology
Tag(s): Clinical

Late Breaking Abstract - Activation of regenerative pathways by physical exercise in patients with chronic obstructive pulmonary disease

Late Breaking Abstract - Activation of regenerative pathways by physical exercise in patients with chronic obstructive pulmonary disease
Linda Eloowsson (Lund, Sweden), Ellen Tufvesson, Caroline Larsson, Anna Cederberg, Hugo Öhrneman, Lisa Karlsson, Bryan Falcones, Hamid Akbarshahi, Blagovesna Raditcheva, Anna Sikesjö, Emma Pettersson, Tate Van Bellen, Jaro Ankerst, Andreas Palm, Attia Batti, Birgitta Appelfeldt; Mona Andren, Guihong Cai, Magnus Svartengren, Jakob Löndahl, Andrei Malinovschi, Leif Björner, Margareta Emter, Christer Janson, Gunilla Westergren-Thorsson

Minimal clinically important difference for time spent in moderate to vigorous physical activities in COPD after pulmonary rehabilitation
Patricia Filipa Sobral Rebelo (Trancoso, Portugal), Guilherme Rodrigues, Cintia Dias, Ana Sofia Grave, Maria Aurora Mendes, Dina Brooks, Alda Marques

Barriers and enablers to physical activity in ILD: patients’ perspectives
Cátia Paixão (Aveiro, Portugal), Inês Gaspar, Jamille Faleiro, Pedro Gonçalo Ferreira, Dina Brooks, Alda Marques

Barriers and enablers to physical activity in ILD: patients’ perspectives

Late Breaking Abstract - Activation of regenerative pathways by physical exercise in patients with chronic obstructive pulmonary disease
Linda Eloowsson (Lund, Sweden), Ellen Tufvesson, Caroline Larsson, Anna Cederberg, Hugo Öhrneman, Lisa Karlsson, Bryan Falcones, Hamid Akbarshahi, Blagovesna Raditcheva, Anna Sikesjö, Emma Pettersson, Tate Van Bellen, Jaro Ankerst, Andreas Palm, Attia Batti, Birgitta Appelfeldt; Mona Andren, Guihong Cai, Magnus Svartengren, Jakob Löndahl, Andrei Malinovschi, Leif Björner, Margareta Emter, Christer Janson, Gunilla Westergren-Thorsson

Minimal clinically important difference for time spent in moderate to vigorous physical activities in COPD after pulmonary rehabilitation
Patricia Filipa Sobral Rebelo (Trancoso, Portugal), Guilherme Rodrigues, Cintia Dias, Ana Sofia Grave, Maria Aurora Mendes, Dina Brooks, Alda Marques

Physical activity levels in Danish adults with and without asthma - A national recurrent cross-sectional case-control study from 2010 to 2021.
Henrik Hansen (Dragør, Denmark), Nina Skovlan Godtfredsen, Jeanette Hansen, Charlotte Suppli Ulrik, Stig Molsted

Barriers and enablers to physical activity in ILD: patients’ perspectives
Cátia Paixão (Aveiro, Portugal), Inês Gaspar, Jamille Faleiro, Pedro Gonçalo Ferreira, Dina Brooks, Alda Marques
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<tr>
<th>OA3692</th>
<th>Prevalence of frailty and recovery of physical activity in patients after an AECOPD</th>
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<td></td>
<td>Marieke Wuyts (Leuven, Belgium), Fien Hermans, Sofie Breuls, Astrid Blondeel, Stephanie Everaerts, Eric Derom, Heleen Demeyer, Wim Janssens, Thierry Troosters</td>
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<th>OA3693</th>
<th>Short and medium-term effects of an online behaviour change intervention to promote physical activity in adults with asthma: a randomized controlled trial</th>
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<td>Celso Ricardo Fernandes de Carvalho (São Paulo (SP), Brazil), Joice Mara Oliveira, Arielle Pedroso, Denner Ildemar Feitosa Melo, Marieta Cabral Amaral Cunha, Fabiano Francisco Lima, Thiago Sousa Matias, Manuela Karlloh, Karina Couto Furlanetto</td>
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<th>OA3694</th>
<th>Comparison of traditional and telerehabilitation based pulmonary rehabilitation program gains in fibrosing interstitial lung patients</th>
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<td>Esra Pehlivan (İstanbul, Turkey), Erdoğan Çetinkaya, Fulya Senem Karamhetoğlu, Zeyneb Betül Özcan, Kürşad Nuri Baydili, Barış Demirkol, Halit Çalışkar, Ramazan Eren</td>
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<th>OA3695</th>
<th>The impact of oxygen saturation on functional performance in patients with COPD on long-term oxygen therapy – a randomized crossover trial</th>
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<td>Linette Marie Kofod (Jyllinge, Denmark), Ejvind Frausing Hansen, Barbara Cristina Brocki, Morten Tange Kristensen, Nassim Roberts, Elisabeth Westerdahl</td>
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<th>OA3696</th>
<th>The effects of upper-extremity high-intensity interval exercise training on upper extremity functional exercise capacity dyspnea and quality of life in patients with interstitial lung diseases: a pilot study</th>
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<td>Nazire Nur Yıldız (Niğde, Turkey), Meral Boşnak Güçlü, Riad Bejta, Nilgün Yılmaz Demirci</td>
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<th>OA3697</th>
<th>Prognostic value of the 6-minute-walk-test derived attributes in patients with IPF</th>
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<td>Ada E.M. Bloem (Utrecht, Netherlands), Hanneke M. Dolk, Annelies E. Wind, Joanne J. Vis, Van Der, Maarten J. Kampen, Jan W.H. Custers, Martijn A. Spruit, Marcel Veltkamp</td>
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<th>Discussion and Q&amp;A</th>
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<td>All Speakers</td>
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### Stolz 1  Session 351  14:30 - 16:50

Skills workshop: SW9 Interpretation of cardiopulmonary exercise tests - €
Additional registration is required for this session.

**Aims:**
Tips and pitfalls in evaluating the pulmonary aspects of cardiopulmonary exercise testing - To identify the typical pulmonary patterns of responses in cardiopulmonary exercise testing and to develop new skills and expertise to demonstrate how to discriminate these from anomalous response profiles, which can cause misinterpretation of test results. To develop skills in the correct assessment of breathlessness and dynamic hyperinflation.

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

**Chairs:** James H. Hull (London, United Kingdom)

#### 14:30
Assessing breathlessness
J. Alberto Neder (Kingston (ON), Canada)  3700

#### 14:30
Breathing pattern and dynamic hyperinflation interpretation
Paolo Palange (Rome, Italy)  3701

#### 14:30
Ventilatory efficiency and gas exchange
Afroditi Boutou (Thessaloniki, Greece)  3702

#### 14:30
Dynamic hyperinflation and other respiratory measurements – live DEMO
Paolo Onorati (Alghero (SS), Italy), Michele Schaeffer (Vancouver, Canada)  3703

### Stolz 2  Session 352  14:30 - 16:50

Skills workshop: SW12 Practicalities of spirometry & whole-body plethysmography - €
Additional registration is required for this session.

**Aims:**
This skills workshop will help attendees gain the technical expertise needed to perform spirometry and whole body plethysmography according to both best practice and the latest recommendations that are supported by experts in the field; to understand the measurements of spirometry, static lung volumes, airway resistance and resistance-volume loops via whole body plethysmography; and to learn about the technical aspects of the body box, standardisation of test performance, reporting and case study interpretation.

**Disease(s):** Airway diseases  Paediatric respiratory diseases

**Chairs:** Rachel Ong-Salvador (Amsterdam, Netherlands)

#### 14:30
Performing Spirometry
Monika Franczuk (Warszawa, Poland)  3704
**Standardised static lung volume measurement using whole body plethysmography**
Kevin De Soomer (Edegem, Belgium)

**Measurement of airway resistance and resistance volume loops using whole body plethysmography**
Frans H.C. De Jongh (Enschede, Netherlands)

**Reporting and interpretation of case studies**
Karl Sylvester (Cambridge (Cambridgeshire), United Kingdom)

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**Skills lab: Imaging in interstitial lung diseases**

**Aims:** To teach skills in high-resolution computed tomography reading, covering the appropriate technique of thin-section computed tomography for interstitial lung diseases and the interpretation of radiological patterns. Teaching will include cases presented in an interactive way.

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

**Tag(s):** Clinical

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Medical Technical Assistant, Patient, Radiologist

**Chairs:** Nazia Chaudhuri (Limavady, United Kingdom), Ádám Domonkos Tárnoki (Budapest, Hungary)

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**Clinical cases: Lungs on fire: pulmonary vascular diseases?**

**Aims:** To present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

**Disease(s):** Pulmonary vascular diseases

**Tag(s):** Clinical

**Chairs:** Olivier Sitbon (Le Kremlin-Bicêtre, France), Judith Löffler-Ragg (Innsbruck, Austria), Silvia Ulrich (Zurich, Switzerland)

**Discussants:** Marion Delcroix (Leuven, Belgium), Gabor Kovacs (Graz, Austria)

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**Clinical trials session: ALERT 2: Fighting the burden of asthma and respiratory symptoms**

**Aims:** The ALERT sessions (Abstracts Leading to Evolution in Respiratory Medicine Trials) showcase important and very late-breaking clinical trial data from all respiratory disease areas. Presenters, discussants, session chairs and the audience will actively discuss the showcased trials.

**Tag(s):** Clinical

**Chairs:** Kristin Walter (Chicago, United States), Chair to be confirmed
**Hot topics: Metabolic changes in chronic lung disease**

**Aims:** To inform the audience about the most recent findings regarding lipid metabolism and metabolic changes/obesity and their impact on the course of lung diseases including asthma, chronic obstructive pulmonary disease and acute respiratory distress syndrome, with a focus on clinical/observational studies as well as experimental models.

**Disease(s):** Airway diseases

**Method(s):** Cell and molecular biology Epidemiology Physiology

**Tag(s):** Translational

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Paediatrician, Patient, Scientist (basic, translational)

**Chairs:** Esther Irene Schwarz (Zürich, Switzerland), Maria Rosaria Bonsignore (Palermo, Italy), Matteo SICILIANO (ROMA, Italy)

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<td>15:51</td>
<td>All Speakers</td>
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<tr>
<td>15:58</td>
<td>Wrap-up by discussant and discussion Arnaud Bourdin (Montpellier Cedex 5, France)</td>
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<td>16:20</td>
<td>All Speakers</td>
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<td>16:27</td>
<td>All Speakers</td>
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<tr>
<td>16:34</td>
<td>Wrap-up by discussant and discussion Anne Holland (Fitzroy North (VIC), Australia)</td>
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<td>16:56</td>
<td>Closing remarks All Speakers</td>
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**Symposium: Running against time: early diagnosis and treatment of pleural infection**

**Optimal management of pleural infection in both high- and low-middle-income countries**

**Aims:** To explain the impact of delay in pleural infection treatment; to describe the optimal treatment of pleural infection; to explain the utility of ultrasound to manage pleural infection; to describe how to diagnose treatment failure in pleural infection and its risk factors; to describe salvage treatment if standard treatment fails.

**Chairs:** Esther Irene Schwarz (Zürich, Switzerland), Maria Rosaria Bonsignore (Palermo, Italy), Matteo SICILIANO (ROMA, Italy)

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<td>15:58</td>
<td>Wrap-up by discussant and discussion Arnaud Bourdin (Montpellier Cedex 5, France)</td>
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<tr>
<td>16:20</td>
<td>All Speakers</td>
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<tr>
<td>16:27</td>
<td>All Speakers</td>
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<tr>
<td>16:34</td>
<td>Wrap-up by discussant and discussion Anne Holland (Fitzroy North (VIC), Australia)</td>
</tr>
<tr>
<td>16:56</td>
<td>Closing remarks All Speakers</td>
</tr>
</tbody>
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**C1**

**Session 358**

**15:30 - 17:00**

**Symposium: Running against time: early diagnosis and treatment of pleural infection**

**Optimal management of pleural infection in both high- and low-middle-income countries**

**Aims:** To explain the impact of delay in pleural infection treatment; to describe the optimal treatment of pleural infection; to explain the utility of ultrasound to manage pleural infection; to describe how to diagnose treatment failure in pleural infection and its risk factors; to describe salvage treatment if standard treatment fails.
Disease(s) : Respiratory infections
Method(s) : Endoscopy and interventional pulmonology, Epidemiology, Imaging
Tag(s) : Clinical
Target audience : Adult pulmonologist/Clinician, Respiratory critical care physician, Physician in Pulmonary Training, Thoracic surgeon
Chairs : Sam Bayat (Grenoble, France), Elżbieta Magdalena Grabczak (Warszawa, Poland)

15:30 Patient's perspective
15:35 Early diagnosis of pleural infection and impact on hospitalisation and survival
  Søren Helbo Skaarup (Aarhus C, Denmark)
15:50 Early management of pleural infection
  Eva Polverino (Barcelona, Spain)
16:05 Early detection and management of treatment failure of pleural infection
  Eihab Bedawi (Sheffield, United Kingdom)
16:20 Pleural infection in low-to-middle-income countries
  Jane Shaw (Cape Town (Cape), South Africa)
16:35 Discussion and Q&A
  All Speakers

C6 Session 359 15:30 - 17:00
Hot topics: Lost in translation: bronchiectasis from childhood to adult age. Where are we now? Bronchiectasis as a lifelong disease and transition between ages
Aims: To convene paediatricians and adult physicians working in the field to identify the most relevant common points, differences and knowledge gaps about disease biology, clinical presentation and management at different stages of life; to review transition protocols already established for other respiratory diseases and to identify elements applicable to bronchiectasis; to compare real-life transition experiences between different geographic contexts; to facilitate the creation of working groups focusing on clinical and translational studies of the evolution of bronchiectasis with paediatric onset, especially during adolescence. The key findings emerging from the discussion could be collected to write a report/expert consensus.

Disease(s) : Paediatric respiratory diseases, Respiratory infections
Method(s) : General respiratory patient care, Public health
Tag(s) : Clinical
Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Paediatrician, Patient, Respiratory physiotherapist
Chairs : Peter Jaksch (wien, Austria), Francesco Blasi (Milan, Italy), Dorina Rama Esendagli (Ankara, Turkey)

15:30 A lifelong story: what do we know about bronchiectasis evolution through ages
  Laura Garriga Grimau (Barcelona, Spain)
15:45 Not just a smaller lung: peculiarities of the airways in the adolescence
  Ahmad Kantar (Bergamo (BG), Italy)
16:00 Implementing a transition program in BE: where do we start from, lessons from other respiratory diseases, building a multidisciplinary team.
  Anne Chang (Brisbane (QLD), Australia)
16:15 Patient perspectives and expectations throughout life with bronchiectasis
  Michal Shteinberg (Haifa, Israel)
16:30 Discussion and Q&A
  All Speakers

A2 Session 360 15:30 - 17:00
Mini symposium: Telerehabilitation for chronic respiratory diseases
Aims: To provide an overview of the existing evidence base and how telerehabilitation models, particularly those that use more advanced digital technologies, could help to address current healthcare needs; to explain the evidence of the clinical effectiveness of telerehabilitation versus unsupervised and face-to-face pulmonary rehabilitation; to provide insight into the advantages and disadvantages of telerehabilitation, as well as the barriers and facilitators to clinical implementation; to describe practical approaches for implementing successful telerehabilitation programmes; to provide directions for future research.
### Session 361 15:30 - 17:00

**Symposium: Development of chronic lung diseases: from life-spanning mechanisms to preventive therapy**

**Lung Science Conference special session**

**Aims:** To provide highlights of the Lung Science Conference 2024, which took place in Estoril in March this year and focused on the life-spanning pathomechanisms of chronic lung diseases that start early in childhood and progress rapidly in the aging population. An in-depth understanding of chronic lung disease trajectories will enable early detection of disease and development of preventive therapies to better treat patients affected by chronic respiratory diseases.

**Disease(s):** Airway diseases, Interstitial lung diseases, Paediatric respiratory diseases

**Method(s):** Cell and molecular biology, Epidemiology, Pulmonary function testing

**Tag(s):** Translational

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Paediatrician, Patient, Scientist (basic, translational)

**Chairs:** Silke Meiners (Sülfeld, Germany), Niki L. Reynaert (Maastricht, Netherlands), Ian Sayers (Nottingham (Nottinghamshire), United Kingdom)

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<th>Time</th>
<th>Title</th>
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<tbody>
<tr>
<td>15:30</td>
<td>Epidemiological prediction of the incidence of chronic lung diseases</td>
<td>Shyamali Dharmage (Carlton Victoria, Australia)</td>
<td>3747</td>
</tr>
<tr>
<td>15:45</td>
<td>COPD, biomarkers and lung function trajectories</td>
<td>Rosa Faner Canet (Barcelona, Spain)</td>
<td>3748</td>
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<tr>
<td>16:00</td>
<td>Epigenetic deregulation in AT2 cells impairs alveolar regeneration in COPD</td>
<td>Renata Jurkowska (Cardiff (Wales), United Kingdom)</td>
<td>3749</td>
</tr>
<tr>
<td>16:15</td>
<td>Modeling trajectories of severe early-onset COPD using human induced pluripotent stem cells (iPSC).</td>
<td>Engi Ahmed (Montpellier, France)</td>
<td>3750</td>
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<tr>
<td>16:30</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
<td>3751</td>
</tr>
</tbody>
</table>

### Session 364 15:45 - 17:00

**Symposium: Early career member session**

**Aims:** To discuss key aspects for career development in respiratory medicine. The topics were selected based on the priority topics identified by the Early Career Member Committee. The speakers were selected based on their successful involvement with the European Respiratory Society and evidence of skills tailored to the topic of the session.

**A1**

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<tbody>
<tr>
<td>15:30-16:15</td>
<td>INDUSTRY SKILLS LAB WORKSHOP</td>
<td>SEE PAGE 1</td>
<td></td>
</tr>
</tbody>
</table>
### A3 Session 365 15:45 - 17:00

**Oral presentation: Clinical and biological outcomes in asthma**

**Disease(s):** Airway diseases, Respiratory critical care  
**Method(s):** Epidemiology, Cell and molecular biology, General respiratory patient care, Public health  
**Tag(s):** Clinical  
**Chairs:** Tania Maes (Ghent, Belgium), Florence Schleich (Liège, Belgium)

| 15:45 | Late Breaking Abstract - Salivary metabolites profiling for diagnosis of COPD  
Tao Fan (Chengdu (Sichuan), China), Yan Lv, Zhe-Rong Zhang

| OA3760 | Multivariable prognostic relations of asthma attack risk factors in the ORACLE patient-level meta-analysis  

| OA3761 | An Observational and Translational Pilot Study Phenotyping the Responses to Systemic Corticosteroids in the Management Asthma Attacks (PRISMA): interim translational results.  
Carlos Andrés Celis Preciado (Bogotá (Cundinamarca), Colombia), Simon Leclerc, Martine Duval, Dominic Cliche, Félix-Antoine Vézina, Pierre Larivée, Samuel Lemaire-Paquette, Simon Lévesque, Philippe Lachapelle, Simon Couillard

| OA3762 | Dose-dependent association between inhaled corticosteroids and risk of corticosteroid related adverse events in asthma  
Anna von Bülow (Vedbaek, Denmark), Susanne Hansen, Patrik Sandin, Olivia Ernstsson, Alexandra Cooper, Kirk Geale, Lauri Lehtimäki, Charlotte Ulrik, Bernt Bøgvad Aarli, Pinja Ilmarinen, Sylvia Packham, Ghada Hassan, Vibeke Backer, Alan Altraja, Helena Backman, Paula Kauppi, Asger Sverrild, Valentyna Yasinska, Maritta Kilpeläinen, Arja Viinanen, Jussi Karjalainen, Apostolos Bossios Bossios, Celeste Porshbjerg, Christer Janson, Hannu Kankaanranta

| OA3763 | Nasal sampling identifies disease-relevant signals in a real-world airways disease cohort  
Adnan Azim (Bournemouth (Dorset), United Kingdom), Arun Ossels, Noémie Bricmont, Romane Bonhiver, Sara Gerday, Romain Mormont, Juliette Ponnet, France Regnier, Monique Henquet, Virginie Paulus, Françoise Guissard, Florence N Schleich, Renaud Louis, Catherine Moermans

| OA3764 | Follow-up of airway inflammation of asthmatic patients using an Artificial Intelligence driven sputum cell count and classification  
Adeline Rosu (, Belgium), Adrien Ossels, Noémie Bricmont, Romane Bonhiver, Sara Gerday, Romain Mormont, Juliette Ponnet, France Regnier, Monique Henquet, Virginie Paulus, Françoise Guissard, Florence N Schleich, Renaud Louis, Catherine Moermans

| OA3765 | The Asthma Control Test as a predictive tool for hospitalization and death  
Johanna Karlsson Sundbaum (Luleå, Sweden), Stina Selberg, Lowiee.G.W Vanfleteren, Apostolos Bossios, Jon R. Konradsen, Caroline Stridsman
OA3767 Excess SABA prescribing in respiratory patients and social deprivation in general practice: A study of 4 million patients
Michael Crooks (East Riding of Yorkshire, United Kingdom), Heath Heatley, Katherine Hickman, Joan B Soriano, David Price

OA3768 Clinical outcome of mild to very-mild asthma with high sputum eosinophils: a prospective longitudinal study.
Andrédanne Côté (Quebec, Canada), Marie-Eve Boulay, Philippe Marineau, Suzanne Beaudin, Maral Ranjbar, Jennifer Wattie, Leslie Wiltshire, Ariane Lechasseur, Paul M O'Byrne, Gail M Gauvreau, Louis-Philippe Boulet

OA3769 Innovative Point-of-Care Breath Test for Early Asthma Diagnosis: Integration of Deep Neural Network Technology and Nanosensors
Hanya Ahmed (London, United Kingdom), Victor Higgs, Jona Angelica Flavier

OA3770 Discussion and Q&A
All Speakers

Lehar 3 Session 366 15:45 - 17:00

Oral presentation: General characteristics of cystic fibrosis and impact of cystic fibrosis transmembrane conductance regulator modulators on the disease

Disease(s): Airway diseases
Method(s): Epidemiology General respiratory patient care Imaging Pulmonary function testing
Tag(s): Clinical, Translational
Chairs: Bülent Taner Karadag (Istanbul, Turkey), Lucy Perrem (Toronto (ON), Canada)

OA3771 Late Breaking Abstract - Chest magnetic resonance as an alternative imaging examination for follow-up of patients with cystic fibrosis
Gabriela Gama Martins (Curitiba, Brazil), Paulo César Kussek, Solena Ziemer Kusma, Anna Cassia Durante, Bruno Mauricio Pedrazzani

OA3772 A 10-year cost trajectory study in children with cystic fibrosis in France
Philippe Reix (Bron, France), Erika Guyot, Manon Blehassen, Floriane Deygas, Marjorie Berard, Eric Van Ganse, Jean-Christophe Dubus, Isabelle Sermet-Gaudelus, Isabelle Durieu

OA3773 Home insulation and mold exposure: assessing their influence on lung function in people with cystic fibrosis
CEREN AYÇA YILDIZ (İstanbul, Turkey), Merve Selçuk Balci, Derya Kocakaya, Caner Çınar, Almala Pınar Ergenekon, Ela Erdem Eralp, Yasemin Gökdemir, Bülent Karadağ

OA3774 IgE and eosinophil count at 6 years old predicts long-term risk of ABPA in children with CF.
Harriet Crabtree (Nedlands, Australia), Chris J Malajczuk, Phillipa Edmiston, Daniel Yeoh, Ho Yin Ho, Andrew Wilson, Yuliya Karpievitch, Andre Schultz

OA3775 Real-life effect of elaxacaftor/tezacaftor/ivacaftor therapy on microbiological findings in patients with Cystic fibrosis
Francesca Lucca (Verona, Italy), Giulia Cucchetto, Giulia Paiola, Sonia Volpi, Ilaria Meneghelli, Emily Pintani, Marco Cipolli

OA3776 Efficacy of Elaxacaftor/Tezacaftor/Ivacaftor after market authorization in pwCF
Andreas Jung (Winterthur, Switzerland), Srdjan J. Micic, Eugène Collaud, Anna Zolin, Alexander Moeller

OA3777 Long-term outcomes in people with CF lacking early spirometry response to elaxacaftor/tezacaftor/ivacaftor therapy
Mohamad Hadhud (Jerusalem, Israel), Joel Reiter, Elad Ben Meir, Alex Gileles-Hillel, Ido Sadras, Eitan Kerem, Malena Cohen-Cymberknoh, Oded Breuer

OA3778 Health implication of the COVID-19 pandemic for children with Cystic Fibrosis (CF) followed at CF center Copenhagen
Marika Nathalie Schmidt (Copenhagen, Denmark), Rikke Sandvik, Sarah Altaraihi, Hatrice Cömert, Majbritt Presfeldt, Mathias Holgersen, Frederik Buchvald, Marianne Skov, Kim G. Nielsen

OA3779 Thermal and mechanical pain thresholds in children and young adults with cystic fibrosis and primary ciliary dyskinesia
Stefanie Dillenhofer (Dortmund, Germany), Lisa Sophie Dempski, Lea Christiane Beermann, Anne Schlegtendal, Folke Brinkmann, Christoph Maier, Thomas Lücke, Anna Teresa Hoffmann, Lynn Eitner

OA3780 The impact of tracheobronchomalacia on lung disease, microbiology and inflammation in children with cystic fibrosis
Julie Depiazzi (Perth (WA), Australia), Crystal Bourke, Yuliya Karpievitch, Stephen Stick, Adelaide Withers
OA3781 Discussion and Q&A
All Speakers

OA3781 Session 367 15:45 - 17:00

Oral presentation: Breaking news in interstitial lung disease of known origin

Disease(s): Interstitial lung diseases
Method(s): General respiratory patient care, Imaging, Cell and molecular biology, Epidemiology
Tag(s): Clinical
Chairs: Elisabetta Renzoni (London, United Kingdom), Paolo Cameli (Siena (SI), Italy)

Late Breaking Abstract - Interaction of High Air Pollution Exposure and MUC5B rs35705950 on Interstitial Lung Disease Risk in Rheumatoid Arthritis Patients

Performance Evaluation and Validation of e-Lung in non-IPF fibrotic ILD
Michael Kreuter (Mainz, Germany), Peter George, Katharina Abbasi Dezfouli, Yao Kou, Aliki Sifos stratoudaki, Claire Fernandez, Finja Ottink, Wassim Bou-Zeid, Christian Rennison-Jones, Stephen Gerry, Olivier Joly, George Harston, Anand Devaraj

OA3782 Late Breaking Abstract - Interaction of High Air Pollution Exposure and MUC5B rs35705950 on Interstitial Lung Disease Risk in Rheumatoid Arthritis Patients

OA3782 OA3783

OA3784 Predictive biomarkers of persistent interstitial changes after COVID19
Marta Hernández Argudo (Barcelona, Spain), Guadalupe Bermudo, Vanesa Vicens Zygmunt, Guillermo Suárez Cuartín, Celia Montaño Montaño, Andrea Martín González, Jaume Bordas Martínez, Santiago Bolivar Cuevas, Belen Del Rio Carrero, Francisco Rivas Doyagtie, Mari Paz Fuset Cabanes, Joan Sabater Riera, Salud Santos Pérez, Maria Molina Molina

OA3785 Lung Ultrasound as a Screening Tool for Subclinical Rheumatoid Arthritis-Associated Interstitial Lung Disease
Maria Otaola (Ciudad Autónoma Buenos Aires, Argentina), Eirini Vasarmidi, Sebastien Ottaviani, Marvin Gutierrez, Marina Dulpiaz, Adrian Gaser, Marcos Rossemfet, Pierre-Antoine Juge, Chiara Bertolazzi, Maricel Della Maggiora, Paola Orauscio, Nestor Avgoustidis, Alan Quintana-Rodriguez, Barbara Perez Cepas, Emilce Scheckberger, Prodromos Sidirooulos, Nicolas Lloves Schenone, Katerina Antoniou

OA3786 Bronchoalveolar lavage fluid analysis in patients with checkpoint inhibitor pneumonitis
Ruxuan Chen (Beijing, China), Yujie Shi, Hui Huang, Nan Fang, Mengzhao Wang, Zuojun Xu

OA3787 Short telomere length is associated with disease progression in rheumatoid arthritis-associated interstitial lung disease

OA3788 Single-cell sequencing reveals enrichment of cross-presenting dendritic cells in fibrotic hypersensitivity pneumonitis
Ophir Freund (Tel Aviv, Israel), Yan Stein, Amir Bar-Shai, Avraham Unterman

OA3789 Peripheral blood lymphocyte cell subsets in subjects with silicosis due to silica agglomerates
Gema Jiménez-Gómez (Cádiz, Spain), Antonio Campos-Caro, Alejandro García- Núñez, Antonio Hidalgo-Molina, Antonio Leon Jimenez

OA3790 Lung Involvement in Early Rheumatoid Arthritis, Analysis of the FINDRA Cohort
Antoine Froidure (Bruxelles, Belgium), Marie Perrot, Marie Doyen, Emilie Sapart, Bertrand Bearzatto, Jean-François Durant, Jérôme Ambroise, Sandra Koenig, Louis Vanderschueren, Aleksandra Avramovska, Tatiana Sokolova, Jean-Luc Gala, Benoît Ghaye, Patrick Durez

OA3791 Skin transcriptomics are associated with lung function impairment and distinct cell types in systemic sclerosis-related lung disease
Jana Zielonka (New Haven, United States), Ningshan Li, Zuoheng Wang, Xiting Yan, Jose Gomez

OA3792 Discussion and Q&A
All Speakers

OA3792 Session 368 15:45 - 17:00

Oral presentation: Malignant plural effusion and mesothelioma: from bench to bedside and back again
**Disease(s):** Thoracic oncology

**Method(s):** Epidemiology  General respiratory patient care  Cell and molecular biology  Palliative care  Imaging  Physiology  Endoscopy and interventional pulmonology

**Tag(s):** Clinical, Translational

**Chairs:** Kevin Blyth (Glasgow (Glasgow), United Kingdom), Nick Maskell (Bristol (Avon), United Kingdom)

**OA3793**
Late Breaking Abstract - Eosinophillic pleural effusion: etiology, management and outcomes – data from the International Multicentre Pleural Research Collaborative
Katarzyna Faber (Warsaw, Poland), E. Magdalena Grabczak, Julius P. Janssen, Silvia Bielsa, José M. Porcel, Mateja Marc-Malovrh, Ales Rozman, Alenles Janssens, Jo Raskin, Annemiek Snoeckx, Kevin Lamote

**OA3794**
Mesothelioma Evolution Following a Diagnosis Of Benign Pleural Inflammation: A Systematic Review and Meta-Analysis
Mark Neilly (Glasgow, United Kingdom), Katie Ferguson, Matthew Tate, Joshua Roche, Kevin Blyth

**OA3795**
Correlating volatile diagnostic biomarkers in exhaled breath to computed tomography imaging in an asbestos-exposed population
Kathleen Zwejsen (Wilrijk, Belgium), Joris Van Cleemput, Caroline Jonckheere, Tom Richart, Veerle Surmont, Jan P. Van Meerbeeek, Annelies Janssens, Jo Raskin, Annemiek Snoeckx, Kevin Lamote

**OA3796**
Characterising Tissue Resident Memory (Trm) CD8+CD103+ T-cells in Malignant Pleural Effusion (MPE)
Delaney Charles Conleth Domine-Foy (Oxford, United Kingdom), Xuan Yao, Wenbo Wang, Nikolaos Kanellakis, Beibei Fang, Adam Bates, Sam Farrar, Yu Zhao, Maya Pidoux, Guihai Liu, Megat Bin Abd Hamid, Nikita Manohara, Beenish Iqbal, Najib Rahman, Yanchun Peng, Tao Dong

**OA3797**
Origins of pleural effusion CD8+ T cells reveal tumoral immune microenvironment
Yanqi He (Chengdu (Sichuan), China), Sifan Zhang, Siyu Liu, Xuyu Cai, Weiyi Wang, Ye Wang

**OA3798**
Impact of Indwelling Pleural Catheter specific educational tools on unplanned hospital encounters and caregiver training
Jing Ying Kendra Tang (Singapore, Singapore), Ming Qin Fena Lee, Jun Jie Aaron Tan, Junyang Ken Goh, Qiao Li Esther Tan, Kah-Lai Carrie Leong, Chiew Sian Ivanha Phua, Jing Yi Jane Wong, Wen Ting Lim, Siling Young

**OA3799**
Effect of quantum sensitive circadian cryptochromes CRY-1 and CRY-2 gene expression on the survival of pleural mesothelioma patients: In silico investigation of TCGA data.
Sotiros Zarogiannis (Larisa, Greece), Rajesh Jagirdar, Eleftherios Papazoglou, Erasmia Rouka, Sotirios Sinis, Evgeniy Solenov, Chrissi Hatzoglou, Konstantinos Gourgoulianis

**OA3800**
Update on the STREAMLINE Feasibility Clinical Trial (early pleural biopsy + indwelling pleural catheter in malignant pleural effusion)
Dinesh Addala (Oxford, United Kingdom), Algulii Elsleihk, Wui-Mei Chew, Beenish Iqbal, Anand Sundaralingam, Craig Mounsey, John Wrightson, Rob Hallifax, Najib Rahman

**OA3801**
Comparison of Five Prognostic Scores for Association with Mortality in Malignant Pleural Effusion
Merve Ayık Türk (Izmir, Turkey), Özer Özdemir, Yunus Türk, Berna Kömürçoğlu, Gülru Polat

**OA3802**
Comparative cell-free mutation analysis for diagnosis of malignant pleural effusion in lung cancer patients
Armin Frille (Leipzig, Germany), Mathias Stillier, Alexandra Wald, Hans-Jürgen Seyfarth, Michael Metze, Martin Platz, Irene Krücken, Myriam Boeschen, Hendrik Bläker, Hubert Wirtz, Maximilian Von Laffert

**OA3803**
Discussion and Q&A
All Speakers

**17:30-19:00**
**INDUSTRY EVENING SYMPOSIUM**

**17:30-19:00**
**INDUSTRY EVENING MINI SYMPOSIUM**
Skills workshop: SW13 Practical pulmonary hypertension - €

**Aims:** To develop a systematic approach to interpretation of radiological investigations (with a focus on computed tomography) in patients with suspected pulmonary hypertension (PH); to provide practical experience in performing and interpreting echocardiography in patients with PH; to develop knowledge and understanding of the pathological changes associated with PH; to develop skills in integrating clinical, radiological and right heart catheter data to enable the correct diagnosis of patients with suspected PH.

**Disease(s):** Pulmonary vascular diseases

**Target audience:** Adult pulmonologist/ Clinician, Pathologist, Physician in Pulmonary Training, Radiologist

**Chairs:** Robin Condliffe (Sheffield (South Yorkshire), United Kingdom)

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<tr>
<td>08:00</td>
<td>Radiological assessment of pulmonary hypertension</td>
<td>Lilian Meijboom (Amsterdam, Netherlands)</td>
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<tr>
<td>08:00</td>
<td>Pathological assessment of pulmonary hypertension</td>
<td>Peter Dorfmüller (Giessen, Germany)</td>
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<tr>
<td>08:00</td>
<td>Echocardiography in pulmonary hypertension</td>
<td>Marielle van de Veerdonk (Amsterdam, Netherlands), Abdul Hameed (Sheffield (South Yorkshire), United Kingdom)</td>
<td>3877</td>
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<tr>
<td>08:00</td>
<td>Clinical assessment of pulmonary hypertension</td>
<td>Robin Condliffe (Sheffield (South Yorkshire), United Kingdom), Esther Jeritza Nossent (Amsterdam, Netherlands)</td>
<td>3878</td>
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</tbody>
</table>
Evaluating the association of persistent or single-time point frequent productive cough with 12-month exacerbation rate in asthma and/or COPD
Hana Müllerová (Cambridge, United Kingdom), Eleni Rapsomaniki, Deven Patel, Laura Belton, Rod Hughes, Jose Maria Olaguibel, Alberto Papi, Helen K Reddel, Stefan Franzén, Bradley Chipp, Richard Beasley, Christer Janson, - For The Novelty Scientific Community And The Novelty Study Investigators

Oral corticosteroid prescribing patterns for severe exacerbations of airways disease
Elizabeth Kennedy (Derby, United Kingdom), Sabrina Holmes, Carolyne Baker, Natasha Hudson, Matthew Martin

Assessment of comorbidities in COPD patients by chest HRCT
Ecatrina Iavrumov (Chisinau, Republic of Moldova), Dumitru Cravcenco, Ion Luca, Alexandru Corlateanu

CAN LACTATE ALBUMIN RATIO BE A MARKER TO PREDICT THE OUTCOMES OF PATIENTS WITH COPD EXACERBATION?
Cansu Ünlü Yildiz (Istanbul, Turkey), Umut Sabri Kasapoğlu, Hüseyin Arkan, Derya Kocakaya, Şehnaz Olgun Yıldızeli

Midregional Proatrial Natriuretic Peptide (MRproANP) is associated with vertebral fractures and low bone mineral density (BMD) in patients with COPD
Franziska Trudzinski (Heidelberg, Germany), Rudolf Jörres, Peter Alter, Henrik Watz, Claus Vogelmeier, Hans-Ulrich Kauczor, Subasini Thangamani, Manuel Debic, Tobias Welte, Jürgen Behr, Kathrin Kahnt, Robert Bals, Christian Herr, Claus Peter Heufl, Jürgen Biederer, Oyunbileg Von Stackelberg, Sebastian Fähndrich, Emiel F. M. Wouters, Benjamin Waschki, Klaus F. Rabe, Felix J.F. Herth, Viktoria Palm

Absence of a UK consensus on the concept and management of cardiopulmonary risk in patients with COPD: results of a systematic review
Dinesh Shrikrishna (Bristol (Avon), United Kingdom), Beverley Bostock, Scott Dickinson, Alicia Piwko, Sivatharshini Ramalingam, Ravijyot Von Stackelberg, Sarah Glover, Sally Singh, Neil Greening, Hamish Mcauley

Skeletal muscle function indicators associated with physical frailty in patients hospitalised with an acute exacerbation of COPD
George Mills (Leicester, United Kingdom), Cara Flynn, Omer Elneima, Tracey Thornton, Sarah Glover, Sally Singh, Neil Greening, Hamish Mcauley

Sex differences in risk of venous thromboembolism in patients with acute exacerbation of chronic obstructive pulmonary disease
peng lige (chengdu, China), Qun Yi

Frequency and severity of COPD in patients with hiatal hernia
Michel Abou Khalil (beirut, Lebanon), Khalil Hamadeh, Mario Fakhry, Elissa Chebly, Antoine El Kik, Georges Dabar, Carine Harmouche, Moussa Riachy, Hind Eid, Zeina Aoun Bacha

Prevalence and risk factors of sarcopenia in patients with chronic obstructive pulmonary disease: a systematic review and meta-analysis
Zhe Sun (Beijing, China), Bo Zhang

Positive effects of embedding respiratory care within local drug treatment services
David Tarpey (Liverpool (Merseyside), United Kingdom), Joanna Seaborne, Stefanie Meikle, Paula Magee, Elizabeth Thomas, Gemma Adams

FEF50/0.5FVC versus FEVI/FVC: which ratio correlates better with physical activity in chronic respiratory diseases?
Yosra Abdelghedi (tunis, Tunisia), Khouloud Kchaou, Chaima Brik, Safa Dali, Saloua Ben Khamsa Jameleddine

Correction Constant is necessary for the use of OCT in Airways – The OCT Air study
Anne Katrine Poulsen (Aarhus, Denmark), Signe Thim, * Oct Air Research Group, Sune Rubak

Etiological profile of exacerbations of chronic obstructive pulmonary disease
Imane El hamdani (Casablanca, Morocco), Nahid Zaghba, Hanane Benjelloun, Khadija Chaanoun, Hanaa Harraz, Najiba Yassine

Factors related to patients’ treatment adherence: evidence from a national COPD survey in China.
Wanheng Li (Beijing, China), xingyao Tang, Ke Huang, Jieping Lei, Wei Li, Ting Yang, Chen Wang

An investigation of different definitions of cough bouts
Kimberley Holt (Manchester, United Kingdom), Rachel Dockry, Kevin Meginness, Emma Barrett, Jaclyn Smith
PA3901 Late Breaking Abstract - Modelling the healthcare burden of oral corticosteroid use in France, Spain, and Germany
Arnaud Bourdin (Montpellier Cedex 5, France), Christian Taube, Javier Dominguez-Ortega, Carlos Cabrera-Lopez, Alison Evans, Soram Patel, Danny Gibson, Emma Crouch-Baker, Katherine Padgett

PA3902 Reproducibility and Predictive Value of Objective Cough Measurement to predict extubation success - COBRE-US trial
Fabio Andrés Varón Vega (Bogotá, Colombia), Adriana Rincón, Luis Fernando Giraldo-Cadavid, Eduardo Tuta-Quintero, Jonathan Palacios, Stephanie Crevoisier, Diana C Duarte, Marcela Poveda, Laura Cucunubo, Pablo Monedero

PA3903 Rapid and shallow breathing index to predict extubation success—COBRE-US trial
Fabio Andrés Varón Vega (Bogotá, Colombia), Adriana Rincón, Luis Fernando Giraldo-Cadavid, Eduardo Tuta Quintero, Jonathan Palacios, Stephanie Crevoisier, Diana C. Duarte, Marcela Poveda, Laura Cucunubo, Pablo Monedero

PS-10 Session 386 08:00 - 09:30
Poster session: New aspects of lung function, inhalers and clinical management for asthma and COPD

Disease(s): Airway diseases
Method(s): Imaging General respiratory patient care Epidemiology Pulmonary function testing Public health
Tag(s): Clinical
Chairs: Monbi Stefanova Chakma (London, United Kingdom), Bernardino Alcazar Navarrete (Cájar, Spain)

PA3904 Machine learning to identify treatment effect heterogeneity related to ICS and LAMA in the IMPACT trial
Kenneth Verstreete (Leuven, Belgium), Helene Huts, Iwein Gyselinck, Michaël Staes, Ahmed Elmahy, Maarten De Vos, Wim Janssens

PA3905 Pharmacogenetic Effects on Clusters of Lung Function Decline
Lies Lahousse (Ghent, Belgium), Xander Bertels, André Uitterlinden, Guy Brusselle, Bruno Stricker

PA3906 The Cardiovascular Effects of Long-acting Bronchodilators Inhalers and Inhaled Corticosteroids purchases among Asthma and COPD patient
Dekel Shlomi (Tel-Aviv, Israel), Niv Lev-Ari, Shiri Kushnir, Noga Yossef, Bernice Oberman

PA3907 Impact of extrafine formulation single-inhaler triple therapy on asthma control and treatment adherence after six months of treatment in patients with asthma-TriMaximize study

PA3908 Exacerbation reduction and improved quality of life in asthma with extrafine formulation single-inhaler triple therapy (eSITT): six-month results of the TriMaximize Study
Frederik Trinkmann (Heidelberg, Germany), Valentina Bogojevska, Detlef Nachtigall, Richard Russell, Charlotte Suppli Ulrik, Wolfgang Pohl, Vicente Plaza, Arnaud Bourdin, Celina Fritz, Christian Gessner

PA3909 Real-world outcomes of Budesonide/Glycopyrronium/Formoterol therapy in COPD after 3 months; Interim analysis of the RECORD study
Henrik Watt (Großhansdorf, Germany), Marija Halbach, Matthias Saathoff, Tamsin Morris, Michael Watt, Annika Fernandez Milano, Dinesh Shrikrishna, Dave Singh

PA3910 Sustaining treatment for asthma and COPD patients while minimizing carbon footprint: effect of HFA-152a and HFA-134a on lung mucociliary clearance
François Rony (Bois-Colombes, France), Veronica Puviani, Ilaria Pacchetti, Aida Emirova

PA3911 The carbon footprint of inhalers in secondary care: a cross-sectional analysis
Jasmin Abbott (Brighton, United Kingdom), Sabrine Hippolyte

PA3912 Improving clinician adherence to the ‘green inhaler’ initiative: An audit of current practice
Aazaz Rehman (Brighton, United Kingdom), Ketan Patel, Jasmin Abbott, Holly Hathaway, Samantha Workman, Neel Sharma

PA3913 Multidisciplinary approach to addressing sustainable inhaler prescribing across primary and secondary care in North Central London (NCL).
Kay Roy (London, United Kingdom), Shahid Gani, Mandeep Butt

PA3914 A randomized, double-blind crossover study of change in post-dose lung function with a next generation propellant for metered dose inhalers in patients with asthma
Alan Bell (Kempston, United Kingdom), Mandeep Jassal, John Xu, David Petullo, Ibrahim Raphiou, Patrik Bondarow, Magnus Aurivillius, Roy A Pleasants
Sustainable care: what are the characteristics of people with asthma who successfully switch to low carbon inhaler devices?  
Grainne d'Ancona (London, United Kingdom), Laura Piggott, Anna Francis, Andrew Cumella, Sam Walker, Brian D Kent

Demographic and asthma-related characteristics of asthmatics using pressurized metered dose inhalers and dry powder inhalers  
Kurtuluş Aksu (Ankara, Turkey), Gürgün Tuğçe Vural Solak, Levent Cem Mutlu, Pınar Mutlu, Görkem Vayısıoğlu Şahin, Ezgi Erdem Türe, Burcu Yormaz, Aylin Çağraz, Ayşe Çöşkun Bayan, Yavuzalp Solak, Funda Aksu

Inhaler Use in COPD Patients: A Cross-sectional Study, Critical Errors and Optimal Peak Inspiratory Flow measured with the InCheck Dial Device.  
Sabri Jaffal (Jerusalem, Israel), Abraham Bohadana, Amir Jarjoui, Nissim Arish, Ariel Rokach, Gabriol Izbricki

Are we handling used metered dose inhaler canisters safely? A call for action to address an environmental hazard.  
Beena Thomas (Kollam (Kerala), India), Thomas Beena, Parakkal Sukumaran, Mammen Issac Joel, M Midhun, P Rekha

Changes in determination of bronchodilator response in patients diagnosed with asthma  
Martijn Cuijpers (Roermond, Netherlands), Ragnar Lunder, Veerle De Visser Van Pol, Herman Jan Pennings

Late Breaking Abstract - Do asthma patients prescribed a GLP1 have improved asthma and weight loss outcomes?  
Alan Kaplan (Stouffville (ON), Canada), Heath Heatley, John Townend, Derek Skinner, Victoria Carter, Richard Hubbard, Tan Tze Lee, Mariko Koh, David Price

Self-Administration of Augmentation Therapy for Alpha 1-Antitrypsin Deficiency in Italy: a survey study.  
Sara Lococo (Padova, Italy), Andrea Vianello, Luciano Corda, Mario Torrazza, Paolo Baderna, Elena Bargagli, Stefano Sanduzzi Zamparelli, Leonardo Bertagna De Marchi, Beatrice Molenra, Federico Lionello, Alessia Achille, Gabriella Guarnieri

Late Breaking Abstract - A novel macrolide, EP395, in a LPS challenge in healthy volunteers  
Jens Hohlfeld (Hannover, Germany), Philipp Badorrek, Kerstin Danielson, Olof Breuer, Kate Hanrott, Jennifer Kricker, Michael Parnham, Ginny Norris

Henrik Watz (Großhansdorf, Germany), Stephanie Korn, Oliver Kornmann, Dave Singh, Tom Wilkinson, Kate Hanrott, Virginia Norris

Efficacy of switching controlled and uncontrolled asthma patients on Mepolizumab to Benralizumab  
Riyad Omar Al-Lehebi (Riyadh, Saudi Arabia), Yahya Asiri, Mais Alsardi, Noor Almasoud

The REALISM Study: The Experience of Pulmonologists with Benralizumab in Greece  

Real-world effectiveness of switching to Benralizumab in patients with severe asthma in the Catalan population.  
Catalan Society of Pulmonology (SCAP) Registry.  
Ebymar Arismendi (Vilassar de Dalt, Barcelona, Spain), Mariana Muñoz, Astrid Crespo, Pilar Ausin, José Antonio Castillo, Elena Curto, Ana Lapuente, Alejandra Marin Arguedas, Carlos Martinez-Rivera, Daniel Monserrate, Xavier Muñoz, Itigo Ojaguren, Esther Palomo, Marina Paredes, Flor Pila, César Picado, Gladis Sabater, Carles Sabadell, Ana Sogo, Concepción Calle‡ete

A Belgian real-world study indicates rapid and sustained asthma symptom control with benralizumab  
Lieven Dupont (Leuven, Belgium), Charles Pilette, Maud Deschampheleire, Katrien Eger, Jean-Benoit Martinot, Mathias Leys, Ulrike Himpe, Rudy Péché, Muriel Lins, Solange Delovinfosse, Hélène Simonis, An Herreman, Charlotte Quartaert, Tom Feyes, Renald Louis
PA3928  Late Breaking Abstract - The safety and PK of an inhaled pan JAK inhibitor (KN-002) in subjects with COPD
Dave Singh (Manchester, United Kingdom), Frazer Morgan, Christopher O'Brien, Julie Young, Gary Burgess, Brian Leaker

PA3929  Real-world effectiveness of mepolizumab in patients with severe asthma with/without chronic rhinosinusitis with nasal polyps: pooled analysis from European cohorts
Ines Palomares (Madrid, Spain), Stelios Loukides, Florence Schleich, Rekha Chaudhuri, Joerg Leuppi, Enrico Heffler, Cristian Domingo, Claudio Micheletto, Thomas Paulsson, Nina Gaw, Nadia Kallinikou, Eleanor Mcdermott, Carla Vossen, Florent Guelfucci, Jyothi Menon, Armel Ngami

PA3930  Effectiveness of mepolizumab on severe asthma in Argentina: a real-world cohort study
Federico Daniel Colodenco (Ciudad Autónoma Buenos Aires, Argentina), Anahi Yahez, Federico Promencio, Gabriel Gattolin, Martin Muñlo, Miguel Bergna, Ana Stok, Martin Sivori, Miguel Vinuesa, Silvana Guendulain, Maria Cecilia Mengarelli, Angeles Galperin, Maria Laura Jousse, Martin Zambelli, Lucas Perelli, Saeed Noibt

PA3931  Belgian real-world data confirm the potential of benralizumab to induce clinical remission in patients with severe eosinophilic asthma
Tom Feyes (Izegem, Belgium), Liyen Dupont, Charles Pilette, Maud Deschampheleire, Katrien Eger, Jean-Benoit Martinot, Mathias Leys, Ulrike Himpe, Rudi Peché, Muriel Lins, Solange Delovinfosse, Hélène Simonis, An Herreman, Charlotte Quaert, Renaud Louis

PA3932  Clinical remission by BMI in patients with severe eosinophilic asthma (SEA) over 1 year post benralizumab: real-world XALOC-2 programme
Marek Lommatzsch (Rostock, Germany), Thomas Rothe, Benjamin Emmanuel, Trung N. Tran, Andrew Menzies-Gow, Anat Shavit, David Cohen, Calvin N. Ho, Tanja Plate, Sheena Kayaniyil, An Herreman, Claudio Schuoler, Lieven Dupont, Erika Penz

PA3933  Early treatment response to dupilumab on airway inflammation, airway dynamics, and mucus plugging in VESTIGE
Alberto Papi (Cona, Ferrara, Italy), Mario Castro, Celeste Porsbjerg, Njira L. Lugogo, Christopher E. Brightling, Francisco J. González-Barcala, Arnaud Bourdin, Mykola Ostrovskyy, Maria Staevska, Pai-Chien Chou, Liliiana Duca, Ana M. Pereira, Charles Fogarty, Ruiui Nadama, Mei Zhang, Amelie Rodrigues, Xavier Soler, Harry Sacks, Yamo Deniz, Paul J. Rowe, Lucia De Prado Gómez, Juby A. Jacob-Nara

PA3934  Real-life effectiveness of benralizumab in severe asthma: 12-month data from the RAMSES cohort in France
Nicolas Roche (Paris, France), Diana Ayinde, Caroline Fabry-Vendrand, Delphine Leynaud, Gabriel Thabut, Camille Taillé

PA3935  Decreased Number of Uncontrolled Severe Asthma Patients while Need of OCS Reduction Remains: RWE Data Analysis in Germany 2022 vs 2019
Athanasios Xanthopoulos (Fürstenwalde, Germany), Katrin Milger-Kneidinger, Karl-Christian Bergmann, Justus De Zeeuw, Nina Fulgeri, Sebastian Bretzke, Johann Christian Virchow, Dirk Skowasch

PA3936  Long-term effectiveness and safety of dupilumab in severe asthma: a 5-year real-life multicenter observational cohort study
Clairelyne Dupin (Paris, France), Astrid Chauvin, Laurent Guilleminault, Ameul Ghorabri, Anne-Sophie Gamez, Patrick Berger, Naji Khayat, Philippe Bonniaud, Christophe Leroyer, Guillaume Mahay, Stéphanie Fry, Pierre-Olivier Girodet, Geneviève Le Bourdellés, Alain Proust, Lise Rosencher, Gilles Garcia, Arnaud Bourdin, Drifa Belhadi, Alain Didier, Camille Couffignal, Camille Taillé

PA3937  Predictors of biological therapy in severe asthma patients. An ambispective study from the BIOBADALER consortium.
GUILLERMO BENTABOL RAMOS (Málaga, Spain), Dulce Sánchez-Torralvo, Ibón Eguiluz-Gracia, Natalia Pérez-Sánchez, Marta Ferrer, Joan Bartra, María José Torres, Carmen Rondón, Almudena Testera-Montes

PA3938  Characteristics of never-, switching, and persisting users of biologics for severe asthma – a SHARP-CRC study

PA3939  Effects of benralizumab on inspiratory capacity evaluated during exercise in severe asthmatics
Alessandra Tomasello (Ficarazzi (PA), Italy), Alida Benfante, Lorena Gentile, Paola Marasà, Salvatore Battaglia, Nicola Scichilone

PA3940  Covid 19 emerging as etiology for novel phenotype of Asthma
Abhisheka Kumar (Patna (Bihar), India)

PA3941  Evolution of Blood Eosinophilia in Patients with Severe Asthma Treated with Dupilumab
Cristina Bellver (Barcelona, Spain), Laura Mejia, Ana Romero, Héctor Cabreroz, Xavier González, Nuria Padullès, Salud Santos, Mariana Muñoz-Esquerre

PA3942  Late Breaking Abstract - A phase 1 study of subcutaneous administration of ARO-RAGE
Mark O’Carroll (Auckland, New Zealand), John Huetsch, Anh Ta, Lindsey Moser, Sudar Alagarsamy, James Hamilton
### Late Breaking Abstract - Up-dosing of reslizumab in severe asthmatics with persistent sputum eosinophilia

Manali Mukherjee (Hamilton (ON), Canada), Jaime Bernaola, Melanie Kjarsgaard, Yinglan Xie, Katherine Radford, Bashyr Alothaibi, Santi Nolasco, Carmen Venegas Garrido, Parameswaran Nair

#### PS-12  Session 388

**Poster session: Monitoring in airway disease III: looking towards the future**

**Disease(s):** Airway diseases

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

**Tag(s):** Clinical

**Chairs:** Mina Gaga (Athens, Greece), Wang Chun Kwok (Hong Kong, Hong Kong)

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<td>Satoshi Tanaka (Kawasaki city, Kanagawa, Japan), Hiroki Nishime, Kentaro Utsunomiya, Shohei Sato, Takemi Masui, Hiroshi Handa, Masamichi Mineshita</td>
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<td>James Dean (Holmes Chapel, United Kingdom), Augusta Beech, Stephen Fowler, Dave Singh</td>
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<td>Physiologist-led home spirometry service (PLHSS) helps identify different asthma phenotypes for an improved patient centred approach.</td>
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<td>Comparison of bronchodilator responsiveness (BDR) between GINA guidelines and ERS/ATS 2021 interpretative strategies</td>
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<td>Chiara Veneroni (Milano (MI), Italy), Christoph Valach, Emiel F.M Wouters, Christoph Gross, Alessandro Gobbi, Raffaele Dellaca’, Marie-Kathrin Breyer, Hartl Sylvia, Charles G. Irvin, Pasquale Pompilio, Robab Breyer-Kohansal</td>
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<td>Ane Lopez Gonzalez (Barcelona, Spain), Maria Florencia Pilia, Denisse Mediavilla Angulo, David Nuñez Santos, David Espejo Castellanos, Christian Eduardo Romero Mesones, Carlos Gomez Olles, Iñigo Ojanguren Arranz, M Jesús Cruz Carmona, Xavier Muñoz Gall</td>
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<td>Safa Daly (La Marsa, Tunisia), Khouloud Kchaou, Yosra Abdelhedi, Chaima Briki, Saloua Ben Khamsa Jamelddine</td>
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<td>Exploring the relationship between Diaphragmatic Ultrasound and Specialized Pro-resolving Mediators in Chronic Obstructive Pulmonary Disease</td>
<td>Warda Jelassi (Tunis, Tunisia), Abir Hedhli, Khadija Euchi, Meriem Mjid, Yacine Ouahchi, Sana Cheikhrouhou, Sonia Toujani, Besma Dhahri</td>
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<td>Chin Kook Rhee (Seoul, Republic of Korea), Seong Yong Lim, Kwang Ha Yoo, Won-Yeon Lee</td>
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**PS-13 Session 389 08:00 - 09:30**

**Poster session: Chronic obstructive pulmonary disease biomarkers: feasible options for clinicians?**

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<th>General respiratory patient care, Pulmonary function testing, Epidemiology, Cell and molecular biology, Physiology, Imaging</th>
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Midregional pro atrial naturetic peptide (MRproANP) is a predictor of all-cause mortality in mild to moderate COPD - an analysis of COSYCONET data

Resolvins as Biomarkers in Chronic Obstructive Pulmonary Disease: Assessing Disease Severity
Warda Jelassi (Tunis, Tunisia), Abir Hedhli, Sameh Hadj Taieb, Khadija Euchi, Meriem Mjid, Yacine Ouahchi, Sana Cheikhrouhou, Sonia Toujani, Besma Dhahri

Within-day variability of Fractional exhaled Nitric Oxide in stable COPD patients.
Inès Van Rossem (Bruxelles, Belgium), Shane Hanon, Johan Vansintejan, Sylvia Verbanck, Eef Vanderhelst

Zinc content in biological media in patients with COPD
Alla Zuban (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Mariana Kulynych-Miskiv, Olexandr Varunkiv, Kostyantyn Schvets, Iryna Makoida

Serum markers of bone metabolism correlate with clinical parameters for disease progression during 2 years follow-up in patients with COPD
Dimo Dimov (Stara Zagora, Bulgaria), Tanya Tacheva, Yanitsa Zhelyazkova, Tatyana Vlakova

Association between FeNO, blood eosinophil counts (BEC) and exacerbation frequency in ICS treatment groups in COPD.
Arun Prasad (Gateshead, United Kingdom), Carlos Echevarria, John Steer, Stephen C. Bourke

Distribution of type-2 biomarkers and association with disease traits in patients with COPD, Data from the BREATHE Cohort
Sigrid Brisson Nielsen (København Ø, Denmark), Laurits Frussing, Morten Hvidtfeldt, Kristoffer L. Norheim, Frederik Roager Madsen, Celeste Porsbjerg, Asger Sverrild

Systemic Leukotriene Levels in COPD: Insights into Disease Pathogenesis and Severity
Warda Jelassi (Tunis, Tunisia), Abir Hedhli, Sameh Hadj Taieb, Khadija Euchi, Meriem Mjid, Yacine Ouahchi, Sana Cheikhrouhou, Sonia Toujani, Besma Dhahri

The utility of using FeNO with blood eosinophil counts (BEC) in identifying inflammatory endotypes in stable state COPD.
Arun Prasad (Gateshead, United Kingdom), Carlos Echevarria, John Steer, Stephen C. Bourke

Homocysteine as a multifunctional indicator of thrombophilia, endothelial dysfunction and systemic inflammation in patients with COPD
Elnorahon Abduganieva (Tashkent, Uzbekistan), Irina Liverko, Shahbosxan Ahmedov

VO2 peak as a predictor of COPD severity
Andrea Casimiro Daniel (Beja, Portugal), Rita Enriquez, Susana Clemente, Silvia Rodrigues, Liliana Gomes, Jorge Rosa, Filipa Todo Bom

Use of oral corticosteroids in adults with asthma in Swedish primary care
Caroline Stridsman (Luleå, Sweden), Jon R Konradsen, Jörgen Syk, Henning Stenberg, Lowie Egw Vanfleteren, Apostolos Bossios

Validation of Video Supported Spirometry in a Severe Asthma Patient Cohort from the BenRex Study
Jennifer Logan (Glasgow, United Kingdom), Kirsty Wetherall, Grant Sowman, Frank Keane, James O’Keefe, Joe Ibarra, Holly Wilson, Lynsey Gillespie, Alex Mcconmachie, Wai-Ting Nicola Lee, Thomas Brown, Hassan Burnham, Ramesh Kurukulaaratchy, David J Jackson, Pujan Patel, Shoab Faruqi, Dinesh Saralaya, Stephen J Fowler, Adel H Mansur, James Brown, Jim Lordan, Salman Siddiqui, Ian D Padvor, Liam G Heaney, Christopher E Brightling, Rekha Chaudhuri

Speech-based monitoring of exacerbations in chronic respiratory diseases
Yuyang Yan (Maastricht, Netherlands), Loes Van Bemmel, Sam O. Simons, Visara Urovi

Poster session: Clinical asthma and severe asthma II

Disease(s) : Airway diseases
Method(s) : General respiratory patient care, Epidemiology, Public health, Pulmonary function testing, Imaging, Physiology, Cell and molecular biology
Tag(s) : Clinical
Chairs : Lucia Cestelli (Bergen, Norway), Stylianos Loukides (Athens, Greece)
PA3987  Evaluation of the impact of long-term stress on the clinical course of asthma  
Anna Kovchun (Sumy, Ukraine), Vladyslava Kachkovska, Victor Kovchun, Lyudmyla Prystupa

PA3988  Long-term effects of COVID-19 on the risk of ischemic heart disease in asthma: A nationwide, population-based cohort study  
Hyun Lee (Seoul, Republic of Korea), Sungmin Zo, Cho Yun Jeong, Kwang Ha Yoo, Jong Seung Kim, Sang-Heon Kim

PA3989  Prior ICS use may protect from lung parenchymal involvement in asthmatics and COPD patients affected by COVID-19  
Doriane Calmés (Liège, Belgium), Virginie Paulus, Françoise Guissard, Nathalie Maes, Laurence Seidel, Renaud Louis, Florence Schleich

PA3990  Bronchodilator response in asthmatic patients without airway obstruction - to do or not to do?  
Joana Filipe Marques Simões (Lisboa, Portugal), Raquel Barros, Liliana Raposo, Ana Sofia Oliveira

PA3991  OverSEA: European Delphi consensus study on best practices for patients with Severe Eosinophilic Asthma and comorbid CRSwNP  
Guy Brusselle (Ghent, Belgium), José Antonio Castillo Vizuete, Claus Bachert, Ignacio Dávila, Ludger Klimek, Martin Laudien, Peter Schmidt-Grendelmeier, Veronica Seccia, Alessandra Vultaggio, Nadia Kallinikou, Laura Walrave

PA3992  Type-2 comorbidities and severe asthma in a tropical middle-income country: the ISAR Colombia experience  
Abraham Ali Munive (Bogotá (Cundinamarca), Colombia), Libardo Jiménez-Maldonado, Isabella Perna-Reyes, Diana Cano-Rosales, Leslie Vargas-Ramirez, Iván Solarte-Rodríguez, María José Fernández-Sánchez, Mauricio Durán-Silva, Eduardo Tuta-Quintero, Carlos A Torres-Duque

PA3993  Longitudinal lung function changes in adult eosinophilic and non-eosinophilic asthma  
Clarice Lim (Wien, Austria), Sylvia Hartl, Christoph Gross, Mohammad Azizzadeh, Emiel Wouters, Marie-Kathrin Breyer, Robab Breyer-Kohansal

PA3994  Asthma clusters from quantitative computed tomographic measurements in the lungs in CBIOPRED cohort  
Changxing Ou (Guangzhou, China), Tingting Xia, Zhehan Deng, Yujing Liu, Guochao Shi, Minzhong Qiu, Xiaoyang Wei, Wei Gu, Jianping Zhao, Xiaoxia Liu, Shenghua Sun, Huaping Tang, Bei He, Shaoxi Cai, Ping Chen, Ping Chen, Lixin Xie, Kian Fan Chung, Meiling Jin, Shaohua Lu, QingLing Zhang

PA3995  Impact of comorbidities on clinical outcomes in severe asthma- an analysis from the Swiss severe asthma registry  
Fabienne Jaun (Liestal, Switzerland), Maria Boesing, Mathivannan Kanagarasa, Pierre-Olivier Bridevaux, Florian Charbonnier, Christian Clarenbach, Pietro Gianiella, Lukas Kern, David Miedinger, Nikolay Pavlov, Thomas Rothe, Claudia Steurer-Stey, Christophe Von Garnier, Joerg Daniel Leuppi

PA3996  Overuse of Short Acting Beta-2 Agonist (SABA) in asthmatics: relationship with lung function and airway inflammation  
France Louis (Liège, Belgium), Virginie Paulus, Françoise Guissard, Geneviève Philippine, Renaud Louis, Florence Schleich

PA3997  Mild/moderate asthma network of Italy (MANI): first data.  
Benedetta Bondi (Genova, Italy), Irene Prediletto, Matteo Bonini, Giovanna Elisabeta Dobrin, Mona Elisabeta Dobrin, Oana Elena Melinte, Letitia Trofor, Roberta Cernat, Cristina Vicol, Antigona Trofor

PA3998  Asthma treatment adherence, where are we? Argentina’s APPEARENT 2 sub-analysis.  
Eva Ailín Vallejos (Ciudad Autónoma Buenos Aires, Argentina), Gabriel García, Laura Jousse, Angeles Galperin, Alejandra Grosso, Anna Klimczak, Lucas Perelli

PA3999  Analysis of biological determinants that predict severe forms of COVID-19 in patients with chronic lung diseases  
Constantin Ghimuş (Iasi, Romania), Daniela Robu Popa, Mona Elisabeta Dobrin, Oana Elena Melinte, Letitia Trofor, Roberta Cernat, Cristina Vicol, Antigona Trofor

PA4000  Uncontrolled asthma in Primary care in Singapore  
Mei Fong Liew (Singapore, Singapore), Wee Hian Tan, Ching Yee Tan, Hwee Luan Yap, Jaleelah Noor Mohamed, Genevieve Tan, Hui Fang Lim

PA4001  Symptoms in Physician-Diagnosed Asthma: Differentiating Factors in Asthma Versus Non-Asthma Diagnoses  
Margaret Gleeson (Limerick, Ireland), Padraic Ridge, Christine Campbell, Patrick Kerr, Ciara Otterwill, Elaine Machale, Deirdre Long, Dorothy Ryan, Daniel Ryan, Imran Šulaiman, Breda Cushen, Richard Costello

PA4002  Clinical determinants and phenotypic evaluation of asthma in a North Indian population.  
Ajay Kumar Verma (Lucknow (Uttar Pradesh), India), Shreya Tripathi, Anuj Kumar Pandey, Surya Kant, Jyoti Bajpai, Sarika Gupta, Prabhanshu Tripathi, Arpita Singh

PA4003  Phenotypic characteristics of asthmatic patients with distal airways obstruction  
Soumaya Ben Saad (Ariana, Tunisia), Nour Kallel, Amani Ben Mansour, Azza Slim, Hafaoua Daighfous, Fatma Tritar

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

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

**Tag(s):** Clinical

**Chairs:** Marine Savouré (Paris, France), Gert-Jan Braunstahl (Rotterdam, Netherlands)

**PA4004** The prevalence and severity of allergic rhinitis in primary care
Howranen Meteran (Hvidovre, Denmark), Søren Brynald

**PA4005** Burden of asthma and health care resource utilization in patients with severe asthma and an eosinophilic phenotype: A US claims analysis
Rafael Alfonso-Cristancho (Collegeville, United States), Victoria Benson, Steven Gelwicks, R.K. Ramsanjay, Loretta Jacques, David Muccino, Jihye Park

**PA4006** Asthma and atopy in Angola: a cluster analysis
Margarete Lopes Teixeira Arrais (Luanda, Angola), Jorge M. R. Gama, Luis Taborda-Barata

**PA4007** Projected 20-Year Burden of Asthma in Singapore: Data from Population Real World Registry
Laura Huey Mien Lim (Singapore, Singapore), Yah Ru Juang, Mariko Siyuke Koh, Mei Fong Liew, Ming Ren Toh, Gerald Xuan Zhong Ng, Yvonne Qi Feng Wong, Sean Shao Wei Wu, Jun Tian Wu, Narayanan Ragavendran, Anthony Chau Ang Yii, David Hisien Yung Tan, Zafar Zafari, Wenjia Chen

**PA4008** Initial data analysis of the SHARP CRC patient population reveals a large heterogeneity among European patients with severe asthma

**PA4009** Prevalence, Clinical Features and Functional Outcomes of Hypersensitivity Pneumonitis: a real-life analysis in the Province of South Tyrol - Italy
Alessandro Zanforlin (Bolzano (BZ), Italy), Alex Pizzini, Patrizia De Nitto, Antonio Triani

**PA4010** Assessment of the frequency of allergic asthma to birch and grass pollen using ALYATEC patients database
Frédéric De Blay (Strasbourg, France), Thibaut Riff, Frank Dietsch, Nathalie Domis, Alina Gherasim

**PA4011** Skin prick test reactivity to common aeroallergens among a study population of 328 patients
Sameer Arbat (Nagpur (Maharashtra), India), Tulika Arbat, Bharat Agrawal

**PA4012** The Distribution of Allergen Sensitization and Screening Panel for Respiratory Allergic Diseases in Seven Geographical Regions of China: A multicenter study
Wenting Luo (Guangzhou (Guangdong), China), Baoqing Sun

**PA4013** Higher inflammatory eosinophilic levels in eosinophilic bronchitis compared to mild allergic asthma
Christiane Whetstone (Hamilton, Canada), Imran Satia, John-Paul Oliveria, Karen Howie, Danica Brister, Nermin Diab, Caitlin Stevens, Jennifer Wattie, Lesley Wiltshire, Paul O'Byrne, Roma Sehmi, Gail Gauvreau

**PA4014** Clinical phenotyping in untreated paediatric and adult asthma: a systematic review
Miriam Bennett (Manchester, United Kingdom), Ran Wang, Hannah Durrington, Waqar Ahmed, Stephen J Fowler

**PA4015** Eosinophilic Granulomatosis with Polyangiitis: Clinical Suspicion Red Flags Identification by a Systematic Literature Review and Multidisciplinary Expert Consensus
Ebyam Arismendi (Vilassar de Dalt, Barcelona, Spain), Marina Blanco Aparicio, Fernando Sanchez-Torij López, Francisco Perez-Grimaldi, Moises Labrador Horrillo, Ismael Garcia Moguel, Iñigo Rua Figueroa, Maria Cid Xutgla, Roser Solans Laqué, Ana Noblejas Mozo, Georgina Espigol-Frigole, Francisco Ortiz-Sanjuan, José María Alvaro-Gracia, Ricardo Blanco, Christian Domingo Rivas

**PA4016** Diagnostic criteria for ABPA: a real-life comparison.
Chiara Gollinucci (Lessolo, Italy), Irene Pomoero, Giuseppe Guida, Stefano Pizzimenti, Stefano Leva, Vitina Carriero, Francesca Bertolini, Elisa Arrigo, Fabio Luigi Massimo Ricciardolo

**PA4017** Diagnostic bronchoscopy for allergic bronchopulmonary aspergillosis/mycosis
Koichiro Asano (Kanagawa, Japan), Katsuyoshi Tomomatsu, Jun Tanaka, Takashi Ishiguro, Hirokazu Taniguchi, Yoshikazu Yamaji, Naoki Koshimizu, Hidekazu Matsushima, Teruaki Nishiuma, Shigeaki Hattori, Tsuyoshi Oguma
Clinical and serological profiles of 802 Allergic Broncho Pulmonary Aspergillosis (ABPA) patients across 23 centers in India

HRCT and Chest X-ray findings in 802 Allergic Broncho Pulmonary Aspergillosis (ABPA) patients across 23 centers in India

An insight into existing criteria of ABPA (allergic bronchopulmonary aspergillosis) – “Exploring the frequency of ABPA in patients with adequately treated pulmonary tuberculosis”
Rajiv Garg (Lucknow (Uttar Pradesh), India), Ram Awadh Singh Kushwaha, Anand Srivastava, Sanchita Singh

Risk factors and predictors of acute exacerbation in Allergic Bronchopulmonary Aspergillosis Patients
Jyoti Bajpai (Lucknow (Uttar Pradesh), India), Surya Kant, Ajay Verma, Shreya Tripathi

Salivary ECP levels in patients with active rhinitis
Diana Hristova (Sofia, Bulgaria), Damyan Vangelov, Antoaneta Decheva, Deyan Donchev, Vancho Donev, Georgi Nikolov, Maria Nikolova

Comparative study between spirometry and impulse oscillometry in obstructive airway disease
shabina faruqi (mumbai, India), Deekshith Kolluri, Rahul Lokhande, Sanjay Gaikwad
PA4030  Herb vaping produces carbonyls in mainstream smoke  
Efthimios Zervas (Patra, Greece), Chara Tsipa, Niki Matsouki, Evi Bekou, Maria Markygianni

PA4031  Evaluation of the effects of PAKDAM, an invented water pipe shape device, to get Nitrous Oxide and Oxygen only instead of tobacco smoke - Tehran 2023  
Gholamreza Heydari (Tehran, Islamic Republic of Iran)

PA4032  Carbonyls emissions in different brands and flavours of heated tobacco products  
Efthimios Zervas (Patra, Greece), Niki Matsouki, Chara Tsipa, Evi Bekou, Maria Makrygianni

PA4033  A review of patient disclosure of cannabis and e-cigarette use in an acute medical cohort  
Cara M Gill (Dublin, Ireland), Gillian Douglas, Emer Kelly, Orla O’Carroll

PA4034  Prevalence of e-cigarette use among students at a Medical School in Brazil: Preliminary results  
Maria Antonia Souza de Castro (RJ, Brazil), Giuliana F. Machado, Mauro M. Zamboni, Paula N. R. Costa, Marcus B. Conte

PA4035  Knowledge of students at a Medical School in Brazil about risks of e-cigarette use: Preliminary results  
Maria Antonia Souza de Castro (RJ, Brazil), Giuliana F. Machado, Mauro M. Zamboni, Paula N. R. Costa, Marcus B. Conte

PA4036  Heated tobacco products cause increased endothelial and platelet derived extracellular vesicles in healthy young adults  
Gustaf Lyytinen (Höganäs, Sweden), Georgy Melnikov, Lukasz Antoniewicz, Magnus Lundbäck, Fariborz Mobarrez

PA4037  Associations of e-cigarette use with lung function and structure  
Elizabeth Oelsner (New York, United States), Sarah Gerard, Diane Hawkins, Galen Zaggeri, Siyue Gao, Dona Sangapalaarachchi, Justin Liu, Maria Cepeda, Vesna Ilievski, Nancy Loiacono, Daichi Shimbo, Ana Navas-Acien, Eric Hoffman

PA4038  Synthetic cooling agents and nicotine analogs in new tobacco products: tobacco industry strategies to bypass regulation  
Sven-Eric Jordt (Durham, NC, United States), Hanno Erythropel, Peter Silinski, Julie B. Zimmerman, Paul T. Anastas, Sairam V. Jabba

PA4039  Impact of disposables head-to-head to e-cigarettes, and combustible cigarettes on arterial stiffness  
Nousheen Iqbal (Karachi (Sindh), Pakistan), Hammad Irshad, Hamzah Jehanzeb, Umair Saleem, Atiya Amirali, Javid Ahmed Khan

PA4040  Plasma Nicotine Levels after Midwakh Smoking and its acute effects  
Mohammed Al-Houqani (Al-Ain, United Arab Emirates), Afaf Alboushi, Priyay Yuvaraju, Awad Alessa, Charu Sharma

PA4041  Heated tobacco products—well known or well understood? A national cross-sectional study on knowledge, attitudes and usage in Pakistan  
Nousheen Iqbal (Karachi (Sindh), Pakistan), Hammad Irshad, Hamzah Jehanzeb, Umair Saleem, Atiya Amirali, Javid Ahmed Khan

PA4042  World scientific production on waterpipe research  
Efthimios Zervas (Patra, Greece), Niki Matsouki, Evi Bekou, Maria Markygianni, Chara Tsipa

PS-17  Session 393  08:00 - 09:30
Poster session: Lung function measurement, biomarkers and allergy testing

Disease(s): Airway diseases

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

Tag(s): Clinical

Chairs: Christiane Lex (Goettingen, Germany), Sushiladevi Natarajan (Leicester (Leicestershire), United Kingdom)

PA4043  Diagnosing Preschool Asthma: Remote Breath VOC Analysis with SESI-HRMS  
Rémy Bourgeois (Chur, Switzerland), Yvette Baumann, Nathan Perkins, Katharina Rohrbach, Srdjan Micic, Alexander Moeller

PA4044  Assessing mass spectrometry breath test methods for asthma diagnosis in wheezing preschool children  
Moniek van Aarle (Eindhoven, Netherlands), Sophie Kienhorst, Raffaele Vitale, Rijn Jobms, Michel Bannier, Onno Van Schayck, Agnieszka Smolinska, Edward Dompeling

PA4045  Abnormal spirometry in pediatric asthma – real-life application of the updated ATS/ERS guidelines.  
Jon Konradsen (Sollentuna, Sweden), Caroline Stridsman, Helena Backman, Lowie Vanfleteren, Anna Asarnoj, Apostolos Bossios
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<td>PA4046</td>
<td>Bronchodilator response testing in pediatric asthma patients</td>
<td>Jacob McCoy (Toronto, Canada), Johann-Christoph Licht, David Wilson, Hartmut Grasemann</td>
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<td>PA4047</td>
<td>Clinical and functional characteristics of children with asthma based on bronchodilator responsiveness</td>
<td>Amani SAYHI (tunis, Tunisia), Chaima Brikıı, Narjes Ben Abbes, Wiem Ben Hmid, Ines Ghannouchi, Sonia Rouatbi</td>
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<td>PA4048</td>
<td>Comparison of bronchodilator responsiveness interpretation in asthmatic children by old versus new ERS/ATS criteria</td>
<td>Prawin Kumar (JODHPUR, India), Nikhil Rajvanshi, Kalyana Prabhakaran, Sathyra Srivatsav, Jagdish Goyal</td>
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<td>PA4049</td>
<td>The free running asthma test: A useful tool in pediatric asthma assessment?</td>
<td>Sabrine Louhaichi (Ariana, Tunisia), Besma Hamdi, Ella Nesmısı, Khouloud Khchəıı, Yosra Yahyaoui, Jamel Ammar, Agnes Hamzaoui</td>
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<td>PA4050</td>
<td>Urine metabolomics and asthma in children and young adults.</td>
<td>Susanna Klevebro (Segeltorp, Sweden), Beninia Habchi, Shizhen He, Sophia Björkander, Sandra Ekström, Zhebin Yu, Inger Kull, Anna Bergström, Romanas Chaleckis, Craig Wheelock, Erik Melén</td>
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<td>PA4051</td>
<td>Children's emergency department airwave oscillometry in school-age children with acute wheezing</td>
<td>Saxon Law-Gleen (Leicester, United Kingdom), Senali Seneviratne, Damian Roland, Erol Gaillard</td>
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<td>PA4052</td>
<td>Diagnostic value of SIFT-MS and GC-ToF-MS analysis of exhaled breath for asthma diagnosis in school-aged children</td>
<td>Sophie Kienhorst (Maastricht, Netherlands), Moniek Van Aarle, Anke Merks, Michiel Bannier, Quirijn Jöbsis, Onno Van Schayck, Edward Dompeling</td>
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<td>PA4053</td>
<td>Salivary microbiome as a prognostic biomarker for asthma attacks in children: results from a machine-learning approach in the SysPharmPediA study</td>
<td>Shahriyar Shahbazi Khamas (Amsterdam, Netherlands), Paul Brinkman, Anne H Neerinck, Susanne Bj Vjiverberg, Simone Hashimoto, Jelle Blankestijn, Fleur Sondaal, Mario Gorenjak, Antoaneta A. Toncheva, Susanne Harner, Susanne Brandstetter, Christine Wolff, Alexander Kiefer, Heike Buntrock-Döpke, Anna Hedman, Catarina Almqvist, Paula Corcuerowa-Elosegui, Leyre Lopez Fernandez, Olaída Sardón-Prado, Maria Pino-Yanes, Uroš Potočnik, Michael Kabesch, Alleta D Kraneveld, Mahmoud I. Abdel-Aziz, Anke H Maitland - Van Der Zee</td>
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<td>PA4054</td>
<td>Determining Age for Skin Prick Tests in Pediatric Patients: Insights from Artificial Intelligence Analysis of a 30-Year Retrospective Study</td>
<td>Casper Gijsen (Maastricht, Netherlands), Marieke Van Horck, Jean Muris, Edward Dompeling</td>
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<td>PA4055</td>
<td>Patterns of sensitization of asthmatic children in the post-COVID period in Georgia</td>
<td>EVANGELIA KOUTRA (ATHENS, Greece), Stavroula Lampidi, Despina-Zoe Mermiri, Paraskevi Korovessi, Stavroula Kostaridou, Athina Papadopoulou</td>
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<td>PA4056</td>
<td>Integrative analysis of the metabolic responses across tears and urine in allergic asthmatic children</td>
<td>Marina Attanasi (Chieti (CH), Italy), Maria Concetta Cufaro, Annamaria Porreca, Laura Sgrazzuti, Beatrice Dufrusine, Ilaria Cicalini, Giulia Dodi, Paola Di Filippo, Sabrina Di Pillo, Francesco Chiarelli, Piero Del Boccio, Damiana Pieragostino</td>
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<td>PA4057</td>
<td>Monosensitization to mites in Greek children - the clinical significance and lung function.</td>
<td>EVANGELIA KOUTRA (ATHENS, Greece), Stavroula Lampidi, Despina-Zoe Mermiri, Paraskevi Korovessi, Stavroula Kostaridou, Athina Papadopoulou</td>
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<td>PA4058</td>
<td>Sensitization to dog and cat allergen components and allergic symptoms among adolescents in Northern Sweden</td>
<td>Rebecca Johansson (Södra Sunderbyn, Sweden), Anna Winberg, Linnea Hedman, Eva Rönmark, Anders Bjerg</td>
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<td>PA4059</td>
<td>The interaction of atopy and reduced biodiversity of upper airway microbiome promotes higher nasal expression of IL-5 and asthma persistence in early childhood</td>
<td>Piotr Lacwik (Lodz, Poland), Lukasz Dobrakowski, Karina Przybyl, Marta Mucha, Katarzyna Molińska, Blazej Rychlik, Andrzej Blauz, Jakub Lach, Dominik Strapagiel, Joanna Majak, Joanna Molinska, Dorota Czech, Michal Seweryn, Piotr Kuna, Cezary Palczynski, Pawel Majak</td>
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<td>PA4060</td>
<td>Evolution of allergen sensitization patterns in children with preschool wheeze and asthma of the ALLIANCE cohort</td>
<td>Ruth Grychtol (Hannover, Germany), Bin Liu, Clemens Thölen, Adan Chari Jirmo, Lea Kronziel, Lennart Riemann, Nicole Maison, Svenja Foth, Klaus Friedrich Rabe, Matthias Volkmar Kopp, Folke Brinkmann, Markus Ege, Bianca Schaub, Erika Von Mutius, David Deluca, Chrysanthi Skevaki, Gesine Hansen, Anna-Maria Dittrich</td>
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**Poster session: Epidemiology of rare and common paediatric respiratory diseases**

**Disease(s):** Airway diseases

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

**Tag(s):** Clinical

**Chairs:** Myrofora Goutaki (Bern, Switzerland), Karl Holden (Liverpool, United Kingdom)

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<td>PA4063</td>
<td>Treatment burden in primary ciliary dyskinesia in Switzerland</td>
<td>Yin Ting Lam (Zürich, Switzerland), Leonie Schreck, Laura Behan, Hansruedi Silberschmidt, Emilie Watellier, Claudia E Kuehni, Francesco Pagnini, Myrofora Goutaki</td>
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<td>PA4064</td>
<td>Fertility of people living with primary ciliary dyskinesia: Challenges and facilitators</td>
<td>Leonie Daria Schreck (Bern, Switzerland), Eva Sophie Lunde Pedersen, Yin Ting Lam, Sophie Meyer, Hansruedi Silberschmidt, Sara Bellu, Sofia Carolina Zambrano, Claudia E Kuehni, Myrofora Goutaki</td>
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<td>PA4065</td>
<td>Association of reported symptoms and lung function among people with primary ciliary dyskinesia</td>
<td>Myrofora Goutaki (Bern, Switzerland), Mirjam Koller, Yin Ting Lam, Leonie D. Schreck, Eva Š.L. Pedersen, Christian Clarenbach, Andreas Jung, Elisabeth Kieninger-Latzin, Romain Lazor, Claudia E. Kuehni</td>
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<td>PA4066</td>
<td>Clinical Features of Patients with Primary Ciliary Dyskinesia: Marmara University's Perspective</td>
<td>Mine Yüksel Kalyoncu (Istanbul, Turkey), Ela Erdem Eralp, Cansu Yılmaz Yegit, Muruvet Yanaz, Aynur Gulieva, Merve Selçuk, Şeyda Karabulut, Neval Metin Çakar, Ceren Ayça Yıldız, Almala Pınar Ergenekon, Fazilet Karakoç, Bülent Karadag</td>
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<td>PA4067</td>
<td>Oral Health-Related Quality of Life in Children with Primary Ciliary Dyskinesia</td>
<td>Ezgi Kazancı Oztuna (Istanbul, Turkey), Mehmet Sertac Peker, Ela Erdem Eralp, Yasemin Gökdemir, Bulent Taner Karadag</td>
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<td>PA4068</td>
<td>French Guidelines on transition of adolescents with rare lung disease from pediatric to adult healthcare</td>
<td>Elora Peullier-Maire (Paris, France), Myrofora Goutaki, Nadia Nathan, Maxime Patout, Sebastien Hascoet, Natasha Remus, Guillaume Thouvenin</td>
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<td>PA4069</td>
<td>Sickle cell disease-related pneumopathy: a bicentric cross-sectional study exploring respiratory function in pediatric drepanocytosis</td>
<td>Beatrice Andreucci (Pavia, Italy), Lucia Cerrato, Simone Gambazza, Mara Lelii, Barbara Madini, Alessia Rocchi, Nadia Mirra, Tommaso Mina, Maria Francesca Patria</td>
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<td>PA4070</td>
<td>Associations between prenatal findings and pre- and postnatal outcomes in Danish children with congenital pulmonary malformation</td>
<td>Dalia Karzoun (Aarhus, Denmark), Cpm Research Group, Elisabeth Søgaard Christiansen, Frederik Fouirmaies Buchvald, Kim Gjerum Nielsen, Sune Leisgaard Morck Rubak</td>
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<td>PA4071</td>
<td>Airway abnormalities in children with congenital heart disease</td>
<td>Charlotte Williams (Reading, United Kingdom), Marianne Elloy, Frances Bu'Lock, Kamini Jain</td>
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<td>PA4072</td>
<td>Who is missing? Health-related social risk factors in a paediatric complex respiratory and respiratory infection outpatient clinic</td>
<td>Kirstin Unger (Edinburgh, United Kingdom)</td>
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<td>PA4073</td>
<td>Tuberculosis screening in children: the impact of covid19 pandemic</td>
<td>yosra bellil (bardo, tunisia), Besma Hamdi, sirine arfa, Sabrine louaichi, syrine abdelmoumen, chaime turki, Jamel ammar, ages hamzeoui</td>
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<td>PA4074</td>
<td>Experience of the last 10 years of the children's ambulatory oxygen therapy service (SOA) of the Chilean Ministry of Health.</td>
<td>Roberto Vera Uribe (Santiago, Chile), Alejandra Sutherland, Jose Pablo Redard M., Oriel Gonzalez B., Jordi Vilaró, Rodrigo Torres-Castro, Claudia Simeire Albertini, Daniel Zenteno Araos, Cristian Jara, Homero Puppo-Gallardo</td>
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<td>PA4075</td>
<td>Employing community Parent Champions is associated with reduced hospitalisation rates for bronchiolitis</td>
<td>Alice Lee (Liverpool, United Kingdom), Pieta Schofield, Dan Hawcutt, Ian Sinha, Iain Buchan</td>
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<td>PA4076</td>
<td>Risk factors for bronchiolitis admissions for extreme preterm infants across Liverpool</td>
<td>Amy Scott (Warrington, United Kingdom), Alice Lee, Jessica Watson, Olufemi Olajide, Ian Sinha, Daniel Hawcutt</td>
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<td>PA4077</td>
<td>Bronchiolitis severity and future healthcare utilisation in healthy term infants</td>
<td>Ian Mitchell (Calgary (AB), Canada), Anna Solbak, James King, Candice Bjornson</td>
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### Poster session: Prematurity-associated respiratory sequelae, paediatric and neonatal respiratory support and monitoring techniques

**Disease(s):** Respiratory critical care, Pulmonary vascular diseases, Airway diseases

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

**Tag(s):** Clinical

**Chairs:** Anna Lavizzari (Milano (MI), Italy), Emanuela Zannin (Milano (MI), Italy)

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<th>PA4083</th>
<th>Inflammation in exhaled breath condensate from children with prematurity-associated lung disease</th>
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<td>Sarah Kotecha (Cardiff (South Glamorgan), United Kingdom), Patricia Dos Santos Rodrigues, Kylie Hart, Michael Cousins, Sailesh Kotecha</td>
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<th>PA4084</th>
<th>Pulmonary desmosome protein expression increases following inhaler therapy in preterm-born children with bronchopulmonary dysplasia</th>
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<td>Chris Course (Cardiff, United Kingdom), Philip Lewis, Sarah J Kotecha, Michael Cousins, Kylie Hart, W. John Watkins, Kate J Heesom, Sailesh Kotecha</td>
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<th>PA4085</th>
<th>Impaired responses to oxidative stress in the airways of preterm-born school-aged children with a history of bronchopulmonary dysplasia</th>
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<td>Chris Course (Cardiff, United Kingdom), Philip Lewis, Sarah J Kotecha, Michael Cousins, Kylie Hart, Kate J Heesom, W John Watkins, Sailesh Kotecha</td>
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<th>PA4086</th>
<th>Late Breaking Abstract - In-vitro evaluation of a neonatal adaptation of an adult oscillometer for respiratory mechanics assessment</th>
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<td>Davide Bizzotto (Milano (MI), Italy), Pasquale Pio Pompilio, Alessandro Gobbi, Raffaele Lorenzo Dellacà</td>
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<th>PA4087</th>
<th>Findings and complications of flexible bronchoscopy in infants with Bronchopulmonary dysplasia: a matched-control study</th>
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<td>Inbal Golan-Tripto (Beer sheva, Israel), Noa Shemesh Gilboa, Micha Aviram, Aviv Goldbart, Guy Hazan, Noga Arwas, Itai Hazan, Daniel Yaff, Sergey Tsaregorodtsev</td>
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<th>PA4088</th>
<th>Lung function trajectories in very preterm infants</th>
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<td>Emanuela Zannin (Milano (MI), Italy), Camilla Rigotti, Maria Luisa Ventura</td>
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<th>PA4089</th>
<th>Telemedicine tools for paediatric patients on home mechanical ventilation</th>
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<td>Mirella Gaboli (Sevilla, Spain), Macarena Borroto Rodriguez, María José García Jesús, Alejandro Palomo Pavón, Julia Begara Bueno, José Antonio Ruiz Becerra, Norma Sánchez Fernández</td>
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<tr>
<th>PA4090</th>
<th>Human-to-AI interrater agreement for lung ultrasound scoring in lung disease of prematurity</th>
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<td>Emanuela Zannin (Milano (MI), Italy), Camilla Rigotti, Noreen Fatima, Federico Cattaneo, Umaid Khan, Giulia Dognini, Xi Han, Maria Luisa Ventura, Libertario Demi</td>
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### Session 396

**Session 396**  
**08:00 - 09:30**

**Poster session: The need for non-pharmacological interventions for severe asthma and post-COVID conditions**

**Disease(s):** Respiratory critical care, Airway diseases, Interstitial lung diseases, Sleep and breathing disorders  
**Method(s):** Pulmonary rehabilitation, General respiratory patient care, Epidemiology, Public health  
**Tag(s):** Clinical  
**Chairs:** Agnieszka Lewko (Coventry, United Kingdom), Enya Daynes (Leicester, United Kingdom)  
**Persistent symptoms in female long COVID patients: 30-months of follow-up**

**PA4103**  
**Anouk W. Vaes (Horn, Netherlands), Banchia Palmen, Maarten Van Herck, Yvonne M.J. Goërtz, Qichen Deng, Daisy J.A. Janssen, Chris Burtin, Martijn A. Spruit**

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**PA4091**  
**Metabolic and microbial dysregulation in preterm infants with neonatal respiratory distress syndrome: an early developmental perspective**

Wenyi Yu (Beijing, China), Yanxu Bi, Wenjie Bian, Yukun He, Jiangli Xi, Shuming Guo, Ran Li, Zhancheng Gao

**PA4092**  
**Volatile organic compounds and the relevance of background correction in the early prediction of bronchopulmonary dysplasia in preterm infants**


**PA4093**  
**Exhaled breath volatile organic compounds: window into preterm lung disease?**


**PA4094**  
**Pulmonary vascular malformations in genetic epileptic encephalopathy: a case report and future perspectives**

Nicolò Garancini (Milano, Italy), Michele Ghezzi, Andrea Farolfi, Francesca Riccaboni, Vincenzo Guana, Valentina Fabiano, Enza D’Auria, Gian Vincenzo Zuccotti

**PA4095**  
**Factors associated with respiratory support weaning after 6 months post-menstrual age (PMA) in preterm infants with bronchopulmonary dysplasia (BDP)**

Lauriane Coutier (Bron, France), Alma Garcia-Anton, Lelia Dreyfus, Aurélie Portefaix, Philippe Reix, Marine Butin

**PA4096**  
**Lung function in infants with congenital diaphragmatic hernia.**

Stefano Nobile (Rome, Italy), Paola Catalano, Francesca Raitano, Sara Silveroli, Lorenzo Nanni, Maria Giulia Conti, Greta Di Mattia, Silvia Ceccanti, Giovanni Vento

**PA4097**  
**Evaluating the introduction of Humidified High-Flow nasal cannula therapy into an Australian Aeromedical Service within a paediatric population: A retrospective cohort study.**

Adelaide Lindsay Withers (Maylands (WA), Australia), Cameron Yap, Nicole Ghedina, Elaine O'Connell

**PA4098**  
**Respiratory morbidity in 9-10-year-old children born moderate-late preterm**

Cassidy Du Berry (Melbourne (VIC), Australia), Rhea Manzner, Tara Fitzgerald, Sarah Ranganathan, Lex Doyle, Liam Welsh, Jeanie Cheong

**PA4099**  
**Cohort study on neonatal course and long-term outcome in children with congenital chylothorax**

Heidi Schaballie (Belsele, Belgium), Koenraad Smets, Jo Van Dorpe, Nona Beullens

**PA4100**  
**HFNC do not change intubation rates in bronchiolitis: a retrospective multicenter study**

Giulia Capata (Rome, Italy), Tijana Grba, Stefan Kotlajic, Jelena Visekruna, Prakash Jeena, Kareshma Ramcharan, Lisa Ramsay, Sheena Muttoo

**PA4101**  
**Antenatal ambient pollution and impulse oscillometry in children from the Mother and Child in the Environment (MACE) birth cohort, Durban, South Africa**

Nithiseelan Rajen Naidoo (Durban, South Africa), Prakash Jeena, Kareshma Ramcharan, Lisa Ramsay, Sheena Muttoo

**PA4102**  
**Late Breaking Abstract - Exhaled breath biomarkers in severe acute asthma admitted to the pediatric intensive care unit.**

Claudia Gagliani (Palermo, Italy), Sarah Van Den Berg, Annabel Zaat, Yoni Van Dijk, Susanne Vijverberg, Paul Brinkman, Berber Kapitein
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<td>PA4104</td>
<td>Understanding the Long-Term Effects of COVID-19: A Two-Year Follow-up Study in a Secondary Care Setting</td>
<td>Tandeep Gill (London, United Kingdom), Susanna Mason, Ritesh Kumar, Alex Wilkinson, Thida Win</td>
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<td>PA4105</td>
<td>Evaluating post-COVID care: a retrospective cohort study into long-term symptoms</td>
<td>Edward Yeo (Leeuwarden, Netherlands), Edith Visser, Jolanda C. Kuijvenhoven</td>
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<td>PA4106</td>
<td>Symptom variability in female long COVID patients</td>
<td>Anouk V. Waes (Horn, Netherlands), Maarten Van Herck, Qichen Deng, Martin A. Spruit</td>
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<td>PA4108</td>
<td>Correlation between lung function and functional capacity after inspiratory muscle training in post-COVID-19</td>
<td>Tamires Mori (Toronto, Brazil), Antonio Roberto Zamunén, Maria Eugenia Rossetti Borges, Eli Maria Pazzianotto-Forti, Marlene Aparecida Moreno</td>
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<td>PA4109</td>
<td>Effect of rehabilitation programme on autonomic functions in individuals with post-COVID syndrome</td>
<td>Munyra Alhotye (Riyadh, Saudi Arabia), Rachael A Evans, Andre Ng, Sally J Singh</td>
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<td>PA4110</td>
<td>Evaluation of a Hybrid, Digital and In-Person, Rehabilitation Programme for Long-Covid: A Multiple Stakeholder Mixed Methods Analysis</td>
<td>Andrew Simpson (Hull, United Kingdom), Laura Gale, Clare Killingback, Caroline Duke, Adam Fenwick, Daniel Moore, Angela Williams, Mark Pearson, Michael Crooks</td>
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<td>PA4111</td>
<td>Is there a difference to the social determinants of health for those who complete a COVID rehabilitation assessment compared to those who decline/ drop-out?</td>
<td>Nikki Gardiner (Leicester, United Kingdom), Enya Daynes, Linzy Houchen-Wolloff, Sally J Singh</td>
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<td>PA4112</td>
<td>Repetitive transcranial electromagnetic stimulation, RTMS, does improve fatigue, depression and cerebral symptoms in severe Long COVID syndrome</td>
<td>Gerhard Laier-Groeneveld (Bochum, Germany), Susanne Maus</td>
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<td>PA4113</td>
<td>Rehabilitation improves post-COVID-19 sequelae regardless of age, gender, or disease severity</td>
<td>Andreas Asimakos (Athens, Greece), Stavroula Spetsioti, Spyros Metzelopoulos, Archontoula Antonoglou, Dimitrios Spaggioulakis, Spyros Zakynthinos, Antonios Kontakakis, Aspasia Mavronasou, Anastasia Kotanidou, Ioanna Dimopoulos, Paraskevi Katsaounou</td>
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<td>PA4114</td>
<td>Multi-disciplinary supervised home based pulmonary tele-rehabilitation (tele-PR) program improves outcomes of patients with chronic respiratory diseases (CRD)</td>
<td>Hoi Yee Kwan (Hong Kong, Hong Kong), Pui Ying Choi, Cherry W L Lau, Amy Y Y Tsui, William N Ko, Iris S Y Kong, Hiu Wa Ho, Ruan Y F Cheng, Sai On Ling, Desmond C K Tseng, Chie Wai Yim, Pui Kin Ng, Dora Chan, Kenneth Leung, Thomas Y W Mok</td>
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<td>PA4115</td>
<td>Comparison of different clinical control instruments to detect the change caused by physical exercise in people with moderate to severe asthma</td>
<td>Ronaldo Aparecido Da Silva (São Paulo (SP), Brazil), Vitória Zacarias Cervera, David Halen Araujo Pinheiro, Alberto Cukier, Regina Maria De Carvalho Pinto, Celso Ricardo Fernandes Carvalho</td>
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<td>PA4116</td>
<td>Understanding breathlessness in asthma: cross-sectional study on breathlessness burden and psychophysiological correlates</td>
<td>Hayley Lewthwaite (Merewether, Australia), Peter G Gibson, Paola D Urroz Guerrero, Amber Smith, Vanessa L Clark, Anne E Vertigan, Sarah A Hiles, Brooke Bailey, Janelle Yorke, Vanessa M Mcdonald</td>
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<td>PA4117</td>
<td>Stakeholders' top 10 strategies to improve sedentary behaviour in severe asthma</td>
<td>Paola Urroz (Newcastle, Australia), Vanessa Mcdonald, Peter Gibson, Eleanor Majellano, Hayley Lewthwaite</td>
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<td>PA4118</td>
<td>Relation between treatable traits, treatment (Tx) choices and symptom control/exacerbation (exac) risk in moderate–severe asthma</td>
<td>Gabriel Garcia (City Bell, Argentina), Pierluigi Paggiaro, Nicolas Roche, Sean Oosterholt, Janna Duong, Manish Verma, Anurita Majumdar, Maximilian Plank, Shalini Girotra, Oscar Della Pasqua</td>
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<td>PA4119</td>
<td>Comparison between 8 or 12 weeks of aerobic exercise training in subjects with moderate to severe asthma</td>
<td>Ronaldo Aparecido Da Silva (São Paulo (SP), Brazil), David Halen Araujo Pinheiro, Vitoria Zacarias Cervera, Alberto Cukier, Regina Maria Carvalho Pinto, Celso Ricardo Fernandes Carvalho</td>
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<td>PA4120</td>
<td>Effectiveness of pulmonary rehabilitation on severe asthma outcomes: a pre-post study</td>
<td>Emilie Margoline (Lille, France), Emeline Cailliau, Sarah Gepheine, Stéphane Fry, Olivier Le Rouzic, Jean-Marie Grosbois, Cécile Chenivesse</td>
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Non-pharmacological pulmonary rehabilitation in the alpine altitude climate as add-on corticosteroid-sparing treatment for uncontrolled severe asthma patients
Karin Fieten (Davos, Switzerland), Marieke Drijver, Rolf Wolters, Bart Hilvering, Susanne Vijverberg, Els Weersink

Reporting of identity characteristics in Long COVID physical rehabilitation interventions: a scoping review
Lucy Gardiner (Leicester, United Kingdom), Hannah M Young, Holly Drover, Emily Morgan-Selvaratnam, Enya Daynes, Mark Orme, Rod S Taylor, Sally J Singh, Rachael A Evans

Impact of supplementary air-stacking (AS) on the effect of inspiratory muscle training (IMT) in patients with Late Onset Pompe Disease (LOPD): preliminary results from a multicenter cross-over randomized Trial.
Elena Compalati (Milano, Italy), Diego Poddighe, Grazia Crescimanno, Salvatore Andrea Sciurello, Rosario Di Marco, Marta Lazzeri, Giuseppe Russo, Marco Confalonieri, Agata Lax, Paolo Banfi

Respiratory Muscle Training using the Novel Multifunctional Respiratory Device during the Mid-postoperative Period following Cardiac Surgery: A Real-Life Pilot Study.
Nicolas Peña Novoa (Floridablanca, Colombia), Emerson Rincón Castillo, Sandra Sanabria Barrera Phd, Angela Espitia, Alba Ramirez-Sarmiento Pt, PhD, Mauricio Orozco-Levi, Md, Phd, Msc.

InspireGBs – inspiratory muscle training in people with Guillain-Barré syndrome: a feasibility study
José Miguel Lopes Peixoto de Almeida (Senhora Da Hora, Portugal), João Carlos Winck, Alda Marques

The effect of inspiratory muscle training in individuals with post-COVID-19 condition
Anna Törnberg (Stockholm, Sweden), Anna Svensson-Raskh, Annie Svensson, Carl Hallberg, Alexandra Halvarsson, Elisabeth Rydwik, Judith Bruchfeld, Malin Nygren-Bonnier

Effect of high- and low-intensity inspiratory muscle training on weaning outcomes in patients with weaning difficulties: RCT, IMweanT study
Marine Van Hollebeke (Leuven, Belgium), Diego Poddighe, Mariana Hoffman, Beatrix Clerckx, Jan Muller, Zafeiris Louvaris, Greet Hermans, Rik Gosselink, Daniel Langer

Learning effect of respiratory muscle endurance tests in healthy adults
Ana Lista Paz (A Coruña, Spain), Margarita Barral-Fernández, Loena Van Baalen, Linde Holmstock, Daniel Langer

Effect of functional inspiratory muscle training in chronic kidney disease
Merve Firat (Kırşehir, Turkey), Melda Saglam, Ebru Çakılık-Kutukçu, Deniz İnal-Ince, Selin Ardali-Duzgun, Tolga Yıldırım, Ahmet Hakan Ates, Naciye Vardar-Yağlı

Effects of inspiratory muscle training on cardiovascular autonomic functions in patients with COPD
Sauwaluk Dacha (Chiang Mai, Thailand), Pairoj Suraprappapich, Benjamas Chuaychoo, Wattana B. Watanapa

Efficacy of inspiratory muscle training compared to incentive spirometry in preoperative protocol for bariatric surgery
Lucianã Chiavegato (São Paulo (SP), Brazil), Monise Alexandra Da Silva, Vinicius Carlos Iamonti

The effects of inspiratory muscle training on oxygen consumption and quality of life in patients post-COVID-19 syndrome with pulmonary involvement
Başak Kavalcı Kol (Kırşehir, Turkey), Ecê Baytok, Nilgün Yılmaz Demirci, Meral Boşnak Güçlü

Continuous measurements of respiratory muscle blood flow and oxygen consumption using non-invasive frequency domain near-infrared spectroscopy and diffuse correlation spectroscopy
Antenor Rodrigues (Toronto, Canada), Kauuya Shingai, Carlos A. Gómez, Peter Rassam, Dmitri Rozenberg, Ewan Goligher, Laurent Brochard, Darren Roblyer, W. Darlene Reid

Use of the expiratory flow accelerator during training in COPD pulmonary rehabilitation program
Salvatore Musella (Napoli, Italy), Elena Sciarrillo, Sarah Passacantilli, Francesco D’Abrosca, Ilermando Meoli, Giuseppe Fiorentino

Lower limit of normality of the cross-sectional area of peripheral muscles and diaphragm measurements performed by ultrasound in newborns
Evelin Gomes (São Paulo (SP), Brazil), Maria Fernanda Martins, Angelica Leite, Gabrielle Kosiak, Etiene Carvalho
The impact of respiratory muscle strength and functional capacity on diaphragm mobility in individuals with COPD
Ceyhun Topcuoglu, Eylem Tutun Yumin, Mustafa Hizal, Suat Konuk, Melda Saglam

Longitudinal Analysis of Respiratory Muscle Strength Recovery in Post-COVID-19 Patients: A Comparative Study of Acute and Long-Term Outcomes in Moderate to Severe Cases
Cassia Goulart (São Carlos, Brazil), Jean Carlos Coutinho, Ana Clara Gonçalves Da Costa, Marcela Lopes Alves, Maurício Milani, Robson Fernando Borges, Ana Cleides, Vinicius Zacarias Maldaner Da Silva, Graziella França B. Cipriano, Gerson Cipriano Junior

Relationship between dynamic inspiratory pressure and functional capacity in kidney transplant recipients: a pilot study
Merve Fırat (Kırşehir, Turkey), Melda Saglam, Ebru Calık-Kutukcu, Deniz Inal-Ince, Tolga Yıldırım, Naciye Vardar-Yaglı

Effects of inspiratory muscle training on upper extremity functional exercise capacity and muscle oxygenation in patients with parkinson's disease: a pilot study
Musa Güneş (Karabuk, Turkey), Meral Boşnak Güçlü, Ayşenur Güvenir, Hatice Ayşe Tokçae Bora

Maximal sniff nasal inspiratory pressure reference equations: a multicentre study

Respiratory muscle electrical activity during nasal respiratory strength test in different positions in ALS and health subjects
Guilherme Fregonezi (Rio Grande do Norte, Brazil), Ana Maciel, Ana Marcelino, Lailane Saturnino, Karen Pondofe, Mario Emílio Teixeira Dourado Jr, Jessica Medeiros, Vanessa Resquetti

Pressure transmission in the upper airways during Inspiratory muscle training (IMT).
Tiina Andersen (Bergen, Norway), Petrine Veierod Solli, Anne Kristine Brekka, Ola Orange Roksund, Astrid Sandnes, Maria Vollseter, Hege Clemen, Merete Salveson Engeset, Thomas Halvorsen

Wearable technology usage for asthma patients in Turkey
Gamze Oğuz Erdem (Kagıthane/Istanbul, Turkey), Sibel Yolcu, Andreja Šajnić

A digital self-management programme (BreathTec) to support mental health in patients with a chronic respiratory disease: A retrospective analysis.
Karen Parsons (Oxford, United Kingdom), Carmine Ruggerio, Shakila Hussain, Emily Fraser, Ling-Pei Ho, Peter Saunders, Rachel K Hoyles

Telemonitoring of severe asthma
Lucia Méndez González (Santa Maria da Feira, Portugal), Cristina Leite, Cristina Cruz, Jose Coutinho, Catia Caneiras, Jorge Ferreira

Beyond a patient-initiated helpline: targeting nurse support at a UK ILD Centre
Karen Parsons (Oxford, United Kingdom), Carmine Ruggerio, Shakila Hussain, Emily Fraser, Ling-Pei Ho, Peter Saunders, Rachel K Hoyles

A digital self-management programme (BreathTec) to support patients with a chronic respiratory disease: A retrospective analysis of breathlessness techniques.
Karen Heslop-Marshall (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Graham Burns, Matthew Armstrong

Nurse led telehealth interventions in COPD patients
Merve Kıymaç Sarı (Ataşehir, Turkey), Rahşan Çevik Akyıl

Effects of respiratory telerehabilitation on quality of life in patients with post COVID-19 condition: meta-analysis
Andrés Calvache Mateo (Granada, Spain), julia Raya Benitez, Ana Belén Gámiz Molina, Pilar García González, Irene Calles Plata, Marie Carmen Valenza
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<td>PA4150</td>
<td>Health status and fatigue before and after COVID-19</td>
<td>Marie Carmen Valenza (Granada, Spain), Laura Pérez Gisbert, Lorena Quiles Pardo, Concepción Morales García, María Victoria González Gutiérrez, Irene Torres Sánchez</td>
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<td>PA4151</td>
<td>Implementation of Shared Decision Making in monitoring patients with lung disease and/or heart disease- ADLIFE project</td>
<td>Anne Dichtmann Sorknæs (Vester Skerninge, Denmark), Natassia Kamilla Juul, Gokce Banu Laleci Erturkmen, Gökkan Yılmaz, Rikke Lyngholm</td>
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<td>PA4152</td>
<td>Enhancing Health Outcomes: A Lifestyle Adjustment Program for Long COVID-19 Patients - A Randomized Control Trial</td>
<td>Alba Navas-Otero (Granada, Spain), Geraldine Valenza-Peña, María Granados-Santiago, Javier Martín-Núñez, Araceli Ortiz-Rubio, Marie Carmen Valenza</td>
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<td>PA4153</td>
<td>Effect of physical activity Coaching on exercise capacity in lung cancer survivors at short and mid-term: Meta-Analysis</td>
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<td>PA4154</td>
<td>Relationships between respiratory disturbance and health status in fibromyalgia patients</td>
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<td>PA4155</td>
<td>The effectiveness of breathing exercise in fibromyalgia syndrome: a pain meta-analysis</td>
<td>Marie Carmen Valenza (Granada, Spain), Javier Martín Núñez, Geraldine Valenza Peña, Andrea Maria Mendoza Barrios, Irene Calles Plata, Araceli Ortiz Rubio</td>
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<td>PA4156</td>
<td>Physical activity levels in lung cancer patients after receiving radiotherapy treatment</td>
<td>Alejandro Heredia Ciuró (Granada, Spain), Paula Blasco-Valls, Isabel Castillo-Perez, Javier Martín-Núñez, Sofia Hernández-Hernández, Marie Carmen Valenza</td>
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<td>Comparison of IOS and Spirometry as Lung Function Tests in a childhood acute lymphoblastic leukemia (ALL) survivors cohort and a healthy controls group</td>
<td>dorte Hausted (Århus N, Denmark), Anne Marie Ryberg, Sonja Izquierdo Riis Meyer, Sune Leisgaard Mork Rubak</td>
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<td>PA4158</td>
<td>Patients' perspectives on an educational course for Idiopathic Pulmonary Fibrosis (IPF)</td>
<td>Camilla Bjerre Andersen (Odense Nv, Denmark), Jill Thomsen, Stephanie Paag Svane, Helle Marie Christensen</td>
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<td>PA4159</td>
<td>Paramedic Awareness of Inhaler Devices – PAID survey</td>
<td>Subhadip Pal (Kolkata (West Bengal), India), Soumyadeep Ghosh, Subhajit Ghosh</td>
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<td>PA4160</td>
<td>Determination of profitability in salivary sample swab for alfa-1-antitrypsin deficiency genetic study in patients with obstructive airway disorder</td>
<td>Walther Ivan Giron Matute (Madrid, Spain), Angela Gomez Sacristan, Zichen Ji, Raquel Teran Marcos, Maria Parra Galeano, Elena Marina Fernandez Garcia, Luis Puente Maestu</td>
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<td>PA4161</td>
<td>Post-COVID-19 sequelae depending on the severity of the disease</td>
<td>Marie Carmen Valenza (Granada, Spain), Laura Pérez Gisbert, Rocío Pazo Palacios, Concepción Morales García, María Victoria González Gutiérrez, Irene Torres Sánchez</td>
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<td>PA4162</td>
<td>Pain related psychosocial variables of post COVID-19 condition patients with new-onset chronic pain 2 years post-infection</td>
<td>Andrés Calvache Mateo (Granada, Spain), Alba Navas Otero, Julia Raya Benitez, Irene Calles Plata, Araceli Ortiz Rubio, Marie Carmen Valenza</td>
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**Session 399 08:00 - 09:30**

*Poster session: Tuberculosis and comorbidities: clinical aspects*

- **Disease(s):** Airway diseases, Interstitial lung diseases, Sleep and breathing disorders, Respiratory critical care, Thoracic oncology
- **Method(s):** Public health, General respiratory patient care, Epidemiology, Pulmonary function testing, Pulmonary rehabilitation
- **Tag(s):** Clinical
- **Chairs:** Christoph Lange (Borstel, Germany), Akhlesh Rajpoot (Almora, India)

**PA4163** Effects of ICS in patients with COPD on the clinical presentation of pulmonary tuberculosis

Chun Hoi Chen (Kowloon, Hong Kong), Yiu Cheong Yeung, Yu Hong Chan, Man Ying Ho
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<td>Impact of Tuberculosis on lung function: Describing PTLD in Latin America</td>
<td>Angela Maria Giraldo Montoya (Pereira, Colombia), Giovanni Garcia Castro, Luisa Fernanda Sierra Garzon, Gloria Stefany Fernandez Cabrera, Jose William Martinez, Juan Camilo Martinez, Doris Marcela Garcia, Sarita Patiño, Ricardo Betancourt</td>
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<td>PA4165</td>
<td>Tuberculosis treatment outcome in elderly patients: a retrospective monocentric observational study</td>
<td>Lucia Allavena (Milano, Italy), Irene Sini, Maurizio Ferrarese, Alice Claudia Repossi, Marco Mantero, Francesco Blasi, Luigi Ruffo Codecasa</td>
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<td>PA4166</td>
<td>Healthcare diagnostic delay of Tuberculosis in Portugal – is education the key?</td>
<td>Filippa Joao da Silva Santos Ribeiro de Jesus (Chaves, Portugal), Maria Francisca Barros, Ana Isabel Ribeiro, Oscar Felgueiras, Raquel Duarte</td>
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<td>PA4167</td>
<td>An in-depth exploration of coping with Multidrug Resistant Tuberculosis: A Qualitative study</td>
<td>ARCHANA MALIK (Deoghar, India), Ananada Datta, Pratima Gupta, Jahnvi G, Vinayagmoorthy V, Bijit Biswas, Sarthak Das</td>
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<td>PA4168</td>
<td>Assessment of the psychological state in patients with drug-resistant pulmonary tuberculosis (DR-TB)</td>
<td>Rostyslav Liubeyych (Kyiv, Ukraine), Natalia Lytvynenko, Yuliia Senko, Svitlana Korotchenko, Valentyna Davydenko, Lesya Shcherbakova, Oksana Chobotar, Tetiana Senko</td>
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<td>PA4169</td>
<td>The Tuberculosis-Cancer Conundrum – Experience of 1000 patients at a tertiary cancer centre</td>
<td>Karmay Shah (AHMEDABAD, India), Owais Tisekar, Aayushi Gupta, Anish Lodha, Pranavi Amin, Kriti Yc, Anshu Punjabi, Pavankumar Biraris, Sandeep Tandon, Mahema Bhaskar</td>
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<td>PA4170</td>
<td>Factors influencing the management delays of pulmonary tuberculosis in a Tunisian population</td>
<td>Siwar Rejeb (tunis, Tunisia), Haifa Zaibi, Ala Rahmouni, Emna Ben Jemia, Hend Ouertani, Jihen Ben Amar, Hichem Aouina</td>
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<td>PA4171</td>
<td>Drug abuse: does it change the profile and prognosis of pulmonary tuberculosis?</td>
<td>Haifa Zaibi (Tunis, Tunisia), Ala Rahmouni, Siwar Rejeb, Emna Ben Jemia, Hend Ouertani, Jihen Ben Amar, Hichem Aouina</td>
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<td>PA4172</td>
<td>BCG-itis incidence and seriousness among patients treated with intravesical BCG</td>
<td>Christian Niels Meyer (Roskilde, Denmark), Bakir N I Al-Jarah1, T. Freja M Fornander, Juan L Vasquez</td>
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<td>PA4173</td>
<td>Blended Learning Course for Tuberculosis Case Managers: effectiveness and satisfaction</td>
<td>I Wen Chang (Taipei, Taiwan), Yan Zhen Lin, Jann Yuan Wang</td>
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<td>PA4174</td>
<td>Tuberculosis survivors and the risk of cardiovascular disease</td>
<td>JEONG HYEON PARK (Cheongju, Republic of Korea), Bumhee Yang, Sun-Hyung Kim, Ki Man Lee, Hyun Lee, Jiyoul Yang</td>
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Poster session: Infection as a factor in chronic lung disease

**Disease(s):** Airway diseases, Respiratory critical care

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

**Tag(s):** Clinical

**Chairs:** Sanjay Haresh Chotirmall (Singapore, Singapore), Najlaa Abass (Khartoum, Sudan)

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<td>Urban-rural disparities in pneumonia in chronic obstructive pulmonary disease in Denmark: a nationwide register-based cross-sectional study</td>
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<td>Gilles De Meester (Ghent, Belgium), Merel Wauters, Tom Coenye, Aurélie Crabbe</td>
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<td>Microbiology in Swedish patients with bronchiectasis and comorbid airway disease: Data from a tertiary European Bronchiectasis registry (EMBARC) center.</td>
<td>Nimo Osman (Stockholm, Sweden), Pia Ghosh, Malin Sande, Nikolaos Lazarinis, James D Chalmers, Anders Lindén, Apostolos Bossios</td>
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**PA4198 Exploring patient characteristics and respiratory impacts of pulmonary melioidosis: A 5-year experience from endemic region of Thailand**
Jinjuta Ngeyvijit (Bangkok, Thailand), Chawakorn Payackpunth, Pattawee Saengmongkonpipat, Subencha Pinsai, Vorakamol Phoophiboon

**PA4199 Improving outcomes in bronchiectasis through a treatable traits approach - an implementation study**
Kirsty Watson (Lammermoor, Australia), Annemarie Lee, Tiffany Dwyer, Zoe Mc Keough

**PA4200 Late Breaking Abstract - Interleukin-6 as a potential therapeutic target for the management of pleural infection**
Amerikos Argyriou (Bristol, United Kingdom), Fergus Hamilton, Karen Elvers, Steve Walker, Nicholas Maskell, David Arnold

**Poster Session: Lung cancer with comorbidity- and risk factor-tinted spectacles**

**Session 401 08:00 - 09:30**

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

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

**Tag(s):** Clinical

**Chairs:** Dragana M. Jovanovic (Belgrad, Republic of Serbia), Gianna Vargas Centanaro (Madrid, Spain)

**PA4201 Biofuel pollution: a risk factor for COPD and bronchogenic carcinoma**
Fatima ezzahra Haouassia (Casablanca, Morocco), Nahid Zaghba, Khadija Chaanoun, Hanane Benjelloun, Hanaa Harraz, Najiba Yassine

**PA4202 COPD and pulmonary emphysema as prognostic factors in patients with non-small cell lung cancer receiving immunotherapy**
Marcos Becerra Ainetó (MALLORCA, Spain), Aitor Azkarate Martínez, Amanda Iglesias Coma, David Budau, Ana Sofia De Freitas Matos Parreira, Esther Martínez Font, María Belén Núñez Sánchez, Jaume Sauleda Roig

**PA4203 COPD as a comorbidity in lung cancer**
Pontus Mertsch (Wolfstrathausen, Germany), Julia Walter, Blerina Resuli, Diego Kauffmann-Guererro, Jeremias Götschke, Kathrin Kahnert, Juergen Behr, Amanda Tufman

**PA4204 Clinical trial interest from patients with COPD approached after Lung Cancer Screening**
Tanya Patrick (London, United Kingdom), Arafah Aboelhassan, Marta Parenti, Alice Mugambwa, Jayee Moody, Nia Voase, Katherine Blackstone, Anika Macwan, Kim Scully, Silvia Cano, Sarah Doffman, Maria Belvisi, Amyn Bhamani, Sam M Janes, John R Hurst

**PA4205 Efficacy of Immune Checkpoint Inhibitor on Non-Small Cell Lung Cancer with Chronic Obstructive Pulmonary Disease**
huohuo zhang (Chengdu, China), Weimin Li

**PA4206 Expression patterns of clinically relevant factors in primary SCLCs and their corresponding lymph node metastases**
Christian Lang (, Germany), Zsolt Megyesfalvi, Bence Ferencz, Anna Solta, Kristiina Boettiger, András Lantos, Mir Alireza Hoda, Thomas Klikovits, Janos Fillinger, Ferenc Renyi-Vamos, Clemens Aigner, Marco Idzko, Melinda Rezeli, György Marko-Varga, Orsolya Pipok, Karin Schelch, Balázs Döme

**PA4207 Assessing causality between frailty and lung cancer: A bi-directional Mendelian randomization analysis**
Chuangsen Fang (Beijing, China), Yanming Li, Bingxuan Weng

**PA4208 Emphysema, COPD and smoking burden among lung cancer survivors with a second primary lung cancer compared with patients with just one primary lung cancer.**
Matilde Sangro Prieto (Mutiliva Alta, Spain), Juan Pablo De Torres, Arantza Campo, Carmen Felgueroso, Madeleine Di Frisco, Eduardo Garcia, Luis Seijo, Ana Belén Alcaide, Juan Bertó, Maria Navamuel, Alicia Sayes, Maria Alicia Balesta

**PA4209 Impact of OLD/emphysema in LC mortality risk in screening programs: an analysis of NLST and P-IELCAP**
Marcela Suarez (Ileida, Spain), Iván D. Benítez, Juan P. De-Torres, Luis M. Seijo, María Del Mar Ocón, Ferran Barbé, Juan P Wisnivesky, Javier J Zulueta, Jessica González

**PA4210 Interstitial lung diseases with concomitant lung cancer: a data mining approach**
Giulia Maria Stella (Pavia (PV), Italy), Sara Lettiere, Francesca Mariani, Lucia Del Frate, Silvia Mancinelli, Davide Piloni, Angelo Corsico, Andrea Bianco, Fabio Perrotta, Donato Lacedonia

**PA4211 Is duration of Chronic obstructive pulmonary disease risk factor decreasing survival rate in patients with lung cancer?**
Robert Uliński (Warsaw, Poland), Marta Dąbrowska, Joanna Domagala-Kulawik
PA4212 Association of interstitial lung abnormalities with overall survival in patients with lung cancer: a meta-analysis
Haoyu Wang (Chengdu, China), Ruiyuan Yang, Dan Liu, Weimin Li

PA4213 Acceptance of illness in lung cancer patients during treatment: Do women differ from men?
Anna Trojan (Warszawa, Poland), Magdalena Knetki-Wróblewska, Piotr Sobieraj, Joanna Domagala-Kulawik

PA4214 Profiling of young patients with lung cancer: a retrospective 10-year analysis
Joana Da Silva Cruz Gameiro Duarte (Oeiras, Portugal), Sofia Campos Silva, Francisco Neri, Margarida Felizardo, Filipa Todo Bom, José Alberto Teixeira

PA4215 Distinctive features of lung cancer in women
Mehdi Maaroufi (Casablanca, Morocco), Nahid Zaghba, Hanane Benjelloun, Khadija Chaanoun, Hanaa Harraz, Najiba Yassine

PA4216 Nationwide Comorbidity Evaluation in Lung Cancer Patients Across a 40-Year Period
Morten Borg (Ry, Denmark), Ole Hilberg, Rikke Ibsen, Anders Løkke

PA4217 THE IMPACT OF CONTROLLING NUTRITIONAL STATUS (CONUT) IN THE PROGNOSIS OF NON-SMALL CELL LUNG CANCER
Raffaella Pagliaro (Alvignano, Italy), Antonio D'Orologio, Anna Leoni, Marta Iavarone, Ilaria Di Fiore, Umberto Masi, Vito D'Agnano, Fabio Ferrotta, Luca Scafì, Andrea Bianco

PA4218 Late Breaking Abstract - Eligibility for lung cancer screening among incidental lung nodule patients in a major healthcare system
Matilde Sangro Prieto (Mutilva Alta, Spain), Nour Ayoub, Junyu Qi, Sascha Adler, Javier J Zulueta

PA4219 Impact of Rash Development for Patients with Non-Small Cell Lung Cancer Receiving PD-1/PD-L1-Based Immune Checkpoint Inhibitor Therapy
Yongsheng Yang (Chongqing, China)

PA4220 Impact of COPD on one-year survival of patients with advanced stage lung cancer- a prospective cohort study
ASWATHY GIRIJA (BHUBANESWAR, India), Sourin Bhuniya, Prasanta Raghab Mohapatra, Manoj Kumar Panigrahi, Subho Sarkar, Rohit Shargaonkar, Swadesh Kumar Mohanty, Afshan Ali Shaik, Akshaya Moorthy

PS-25 Poster session: Molecular pathways in lung cancer
Session 402 08:00 - 09:30

PA4221 The interplay between a fibrotic ECM and lung cancer cell behavior
Samaneh Toukhanbeigli (NSW, Australia), Hannah W.Y. Parker, Maija R.J. Kohonen-Corish, Brian G.G Oliver

PA4222 Serum levels of vascular endothelial growth factor-A and -B in patients with advanced non-small cell lung cancer treated with pembrolizumab: prognostic and predictive value
Eleni Kokotou (N.Faliron (Piraeus), Greece), Stylianos Gaitanakis, Anna Papadopoulou, Garyfallia Poulakou, Nick Syrigos, Petros Bakakos, Andriani Charpidou, Dimitra Grapsa

PA4223 PIM2 Kinase Inhibitors Affect Lung Cancer through Endoplasmic Reticulum Stress
Zhijing Shi (Tianjin, China), Yan Song, Yiman Li, Yang Yu, Huijie Hou, Fei Pan, Jinalu Ji, Zhe Chen

PA4224 The expressionnal patterns and molecular mechanisms of LGI3(Leucine-rich-repeat LGI family member-3) were heterogenous in different non-small cell lung cancer cell lines.
Jong Wook Shin (Seoul, Republic of Korea), Moon Seong Baek, Kang-Mo Gu, Hae In Jung, Won Young Kim, Jae-Woo Jung, Jae-Yeol Kim, Kyoung Min Moon

PA4225 Comparison of PD-L1 immunohistochemistry assays for non-small-cell lung cancer
Goohyeon Hong (Cheoan, Republic of Korea), Youn Seup Kim

PA4226 Deciphering Landscape of Driver Transcription Factors in Large Cell Neuroendocrine Carcinoma (LCNEC) of the Lungs Through a Novel Bioinformatics Approach
Ilona Tietzova (Prague, Czech Republic), Dana Sochorova, Zuzana Veckova, Tatjana Manakova, Marketa Tesarova, Stanislav Trča, Jan Geryk

PA4227 HDAC Inhibitor, CG-745 Inhibit EMT and Induce Apoptosis in Non-Small Cell Lung Cancer
Hak-Ryul Kim (Iksan-si (Jeollabuk-do), Republic of Korea), Ki-Eun Hwang
A potential anticancer effect of a new molecule named 4g on lung cancer cell line H292
Claudia D'Anna (Palermo (PA), Italy), Caterina Di Sano, Francesco Mingoia, Elisabetta Pace

Desmethylclomipramine triggers mitochondrial damage and death in TGF-β-induced mesenchymal type of A549 cells
Chia-Ling Chen (Taipei, Taiwan), Pei-Yun Lin, Fu-Chia Shih

Multigene Testing Satus in 257 Squamous Cell Carcinoma Cases: Clinical Profiling of BRAF V600E Mutation in Three Cases
Naozumi Hashimoto (Toyako, Japan), Yasuhiro Goto, Ryoma Moriya, Tomohide Souma, Hisashi Kako, Ken Akao, Yuko Oya, Sumito Isogai, Masashi Kondo, Kazuyoshi Imaizumi

Real-world NGS testing results and treatment modalities in lung cancer: Data update from LALUCA - Landsteiner Lung Cancer Research Platform
Anna Lang-Stöberl (Vienna, Austria), Vania Mikaela Rodriguez, David Rosenthaler, Hannah Fabikan, Christoph Weinlinger, Maximilian Hochmair, Oliver Illini, Dagmar Krenbek, Klaus Kirchbacher, Nino Müser, Georg-Christian Funk, Arschang Valipour

The current status of lung cancer multi-gene testing for non-small cell lung cancer diagnosed by EBUS-TBNA
HIDEKI MAKINO (Matsuyama, Japan), Ryutarou Hirayama, Issei Katayama, Kazuki Oshita, Kotaro Kajiwara

The impact of mutation analysis on prognosis in advanced-stage lung adenocarcinoma
Ahmet Melih Sahin (Ankara, Turkey), ( ), Elif Şen, Serpil Sak

TMB, genetic alterations and PD-L1 expression in non-small cell lung cancer
Giedrė Gurevičienė (Kaunas, Lithuania), Jurgita Matulionė, Lina Poškienė, Skaidrius Miliauskas, Marius Žemaitis

Metastasis-on-chip: Exploring the effect of vascular endothelial growth factor (VEGF) on cancer cell extravasation in vitro
Karin Farah Schmid (- Rechberger) (Bern, Switzerland), Soheila Zeinali, Susanne Karoline Moser, Christelle Dubey, Sabine Schneider, Patrick Dorn, Thomas Michael Marti, Olivier Thierry Guenat

Distribution characteristics of infiltrating PD-L1+ lymphocytes in the tumor microenvironment of early-stage NSCLC
Giedrė Gurevičienė (Kaunas, Lithuania), Jurgita Matulionė, Lina Poškienė, Skaidrius Miliauskas, Marius Žemaitis

Patterns of PD-L1 expression and tumor infiltrating immune cells in resected NSCLC
Giedrė Gurevičienė (Kaunas, Lithuania), Jurgita Matulionė, Lina Poškienė, Skaidrius Miliauskas, Marius Žemaitis

Helper T cell changes in peripheral blood of metastatic non-small cell lung cancer patients receiving cryotherapy and immunotherapy
Gediminas Vasilislauskas (Kaunas, Lithuania), Evelina Sabeckytė, Erika Skrodenienė, Lina Poškienė, Marius Žemaitis

Sensitising mutations in lung adenocarcinomas causing malignant pleural effusion: impact on survival
Craig Mounsey (Oxford, United Kingdom), Nikolaos Kamellakis, Dinesh Addala, Wu Mei Chew, Alguili Elsheikh, Beenish Iqbal, Anand Sundaralingam, Abeer Iqbal, Anand Sundaralingam, Rob Hallifax, Najib Rahman

Suppression of Macrophage Migration Inhibitory Factor Attenuates Pulmonary Fibrosis by Regulating Macrophage-Fibroblast Interactions via AKT, AMPK, and ERK Pathways
Jingwei Wang (Beijing, China), Yuanying Wang, Di Sun, Xiaoxi Huang, Qiao Ye

Spatially resolved multi-omics reveals retinoic acid metabolism as an actionable target for idiopathic pulmonary fibrosis
Yang Wang, Shenghui Li, Xiucheng Liu, Chang Chen
Lung resident mesenchymal stem cells in idiopathic pulmonary fibrosis
Gabriel Escarrer-Garau (Palma de Mallorca, Spain), Aina Martín-Medina, Joan Truyols-Vives, Cristina Gómez-Bellvert, Linda Elowsson, Gunilla Westergren-Thorsson, Ernest Sala-Llinàs, Josep Mercader-Barceló

A marker of human neutrophil elastase mediated club cell secretory protein-16 degradation (CC16-HNE) is associated with mortality and pulmonary hypertension in idiopathic pulmonary fibrosis
Annika Hummersgaard Hansen (Herlev, Denmark), Thomas Skovhus Prior, Filipa Simões, Morten Asser Karsdal, Diana Julie Leeming, Elisabeth Bendstrup, Jannie Marie Bülow Sand

Factor XII Deregulates Cell Communication and Contributes to Progression of Lung Fibrosis
Malgorzata Wygrecka (Gießen, Germany), Fabian Schramm, Ewa Jablonska, Anna Birnhuber, Leon Schulte, Michael Kreuter, Francesco Bonella, Con Panousis, Marc W. Nolte, Grazyna Kwapiszewska, Thomas Renne, Klaus T. Preissner, Antje Prasse

Unravelling the role of sFRP2 in the pathogenesis of Idiopathic Pulmonary Fibrosis
Ioannis Tomos (Athens (P. Faliro), Greece), Maria Shira, Dionisis Fanidis, Paraskevi Kanellopoulou, Vassilis Aidinis

Chemerin: a novel player in lung fibrosis
Ani Garabet (Asse, Belgium), Philomène Lavis, Alessandra Kupper Cardozo, Benjamin Bondue

DTAI ameliorated acute lung injury and pulmonary fibrosis by suppressing the TGF-β/Smad signaling pathway in mice
Wei-Chung Chiou (Taipei City, Taiwan), Qi-Xiang Ji, Pin-Kuei Fu, Cheng Huang

Role of hypusine signaling in idiopathic pulmonary fibrosis
Sarah-Eve Lemay (Quebec, Canada), Wen-Hui Wu, Sandra Martineau, Mélanie Sauvaget, Andréanne Pelletier, Sandra Breuils-Bonnet, Alice Bourgeois, François Potus, Steeve Provence, Sébastien Bonnet, Olivier Boucherat

Adiponectin expression in fibrotic interstitial lung diseases: a case-control study
Vito D’Agnano (S. Vito dei Normanni, Italy), Antonia Montella, Ersilia Nigro, Raffaella Pagliaro, Aurora Daniele, Roberta Cianci, Adriano Costigliola, Andrea Bianco, Fabio Perrotta

Do proteolytic enzymes affect the development of idiopathic pulmonary fibrosis.
Oksana Karasova (Dnipro, Ukraine), Viktoria Rodionova, Hanna Karasova, Valeria Dmitrichenko, Yesenia Tarasova, Lubov Moiseeva, Yulia Suprunenko

Identification of Biomarkers by Multiplex Suspension Array to Predict Progression in Patients with Idiopathic Interstitial Pneumonias
Masaki Okamoto (Fukuoka, Japan), Toyoshi Yanagihara, Goushi Matama, Kiminori Fujimoto, Tomonori Chikasue, Akiko Sumi, Yoshiaki Zaizen, Atsushi Kawaguchi, Masaki Tominaga, Tomoaki Hoshino

Analyzing the variance in protein expression profiles between patients diagnosed with idiopathic pulmonary fibrosis (IPF) and those with non-IPF interstitial lung diseases (ILD)
Pin-Kuei Fu (Taiichung, Taiwan), Tsai-Hung Yen

Biomarkers of fibrotic interstitial pneumonia with antifibrotic agent treatment
Takashi Maeda (Shibuya-ku, Japan), Minoru Inomata, Ken Ito, Akari Misumi, Haruka Chin, Yu Ito, Keita Sakamoto, Nobuyasu Awano, Naoyuki Kuse, Takehiro Izumo

Clinical usefulness of serum KL-6 and SP-A levels as biomarkers of pulmonary fibrosis in healthy subjects
Eun-jung Cho (Hwaseong-si, Gyeonggi, Republic of Korea)

Development of a multi-biomarker risk score based on serum proteins by the Prognostic Lung Fibrosis Consortium (PROLIFIC)
Joseph Lasky (New Orleans, United States), Peter Schafer, John Rassa, Agnes Seyda, Sarah Hersey, Dominic Eisinger, Jenna Melin, Robert Bencher, Margaret Neighbors, Majd Mouded, Scott Turner, Martin Decaris, Yasmina Bauer, Cheryl Nickerson-Nutter, Dana Ball, Jeffrey Larson, Jamie Swaney, Sharlene Lim, Alison Mackinnon, Francesco Marabita, Jennifer Mefford, Scott Suszak, Adam Martin-Schwarze, Zheshi Zheng, Peter Song

Extracellular matrix remodeling biomarkers in patients with hypersensitivity pneumonitis, compared with idiopathic pulmonary fibrosis and healthy controls
Sandra Duval Dræby (København S, Denmark), Nils Hoyer, Filipa B. Simões, Annika Hummersgaard Hansen, Jannie Marie Bülow Sand, Morten Karsdal, Saher Shaker
Multifaceted analysis of serum biomarkers for autoimmune features in patients with idiopathic interstitial pneumonia: A post-hoc analysis of prospective multicenter cohort study

Post-hoc biomarker analysis in participants with IPF receiving bexotegrast over 12-weeks in INTEGRIS-IPF
Martin Decaris (South San Francisco, United States), Richard Ahn, Christopher Barnes, Eric Lefebvre, Greg Cosgrove, Scott Turner

Poster session: Investigating the complexity of connective tissue disease-related interstitial lung diseases

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

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

**Tag(s):** Clinical

**Chairs:** Fabrizio Luppi (Modena, Italy), Marie Vermant (Elsene, Belgium)

**PA4261**
Toll interacting protein (TOLLIP) gene polymorphisms in patients with systemic sclerosis (SSc) associated interstitial lung disease (ILD): association with outcome and survival.
Niels Schröder (Essen, Germany), Jitka Andrá, Diana Knuth-Rehr, Silke Leja, Nicolas Hunzelmann, Eda Börner, Francesco Bonella

**PA4262**
Telomere-related mutations in a prospective CTD-ILD cohort
Phuong Phuong Diep (Oslo, Norway), Øystein Lunde Holle, Magdalena Maria Aabel, Natasha Moe, Trond Mogens Aalokken, Emily Langballe, Mona Lovise Talaro Ramsli, Henrik Mangseth, Helena Andersson, Are Martin Holm, Øyvind Molberg, Anna-Maria Hoffmann-Vold, Michael Thomas Durheim

**PA4263**
Increased Levels of Complement and Immunoglobulins in Dermatomyositis-associated Interstitial Lung Disease
Yoshiaki Zaizen (Kurume, Japan), Masaki Okamoto, Kouichi Azuma, Junya Fukuoka, Tomoaki Hoshino

**PA4264**
Risk of recurrent anti-aminoacyl-tRNA-synthetase antibody-associated interstitial lung disease due to anti-Ro52 antibodies
Hiroshi Takahashi (Kurashiki, Japan), Machiko Arita, Tadashi Ishida, Hiromasa Tachibana

**PA4265**
Exosomal microRNAs associated with lung involvement in systemic sclerosis: potential diagnostic markers and therapeutic targets
Makon-Sébastien Njock (Liège, Belgium), Julien Guiot, Béatrice André, Pierre Jacquier, Monique Henket, Latifa Idoufkir, Laurie Giltay, Catherine Moermans, Fanny Gester, Barbara Polese, Ingrid Struman, Edouard Louis, Michel Malaise, Dominique De Seny, Renaud Louis, Cléo Ribbons

**PA4266**
Acute respiratory worsening in a prospective CTD-ILD cohort
Phuong Phuong Diep (Oslo, Norway), Magdalena Maria Aabel, Natasha Moe, Emily Langballe, Mona Lovise Talaro Ramsli, Henriette Didriksen, Henrik Mangseth, Ragnar Gunnarsson, Asad Ali Chaudhary, Øyvind Midtvedt, Helena Andersson, Are Martin Holm, Trond Mogens Aalokken, Øyvind Molberg, Michael Thomas Durheim, Anna-Maria Hoffmann-Vold

**PA4267**
High-throughput screening of molecular markers for CTD-ILD
Anna Maria Hoffmann-Vold (Oslo, Norway), Vyacheslav Palchevskiy, Phuong Phuong Diep, Henriette Didriksen, Mona Lovise Talaro Ramsli, Jin Zhou, Shahrazad Lari, Igor Barjaktarevic, Elena Pacher, Michael T Durheim, Oliver Distler, Øyvind Molberg, Sam S Weigt, John A Belperio

**PA4268**
ILD is frequently progressive in patients with Sjogren’s disease
Anna Maria Hoffmann-Vold (Oslo, Norway), Marco Sprecher, Emily Langballe, Phuong Phuong Diep, Håvard Fretheim, Helena Andersson, Øyvind Midtvedt, Ragnar Gunnarsson, Torhild Garen, Cathrine Brunborg, Cosimo Bruni, Michael T Durheim, Christian Clarenbach, Thomas Frauenfelder, Trond Mogens Aalokken, Oliver Distler, Øyvind Molberg

**PA4269**
Cough and gastro-esophageal reflux in systemic sclerosis-associated ILD: a prospective study
Fiammetta Danzo (Milano, Italy), Angelo De Laures, Cara Roberts, Voon H. Ong, Dina Visca, Maria Kokosi, Peter M. George, Felix Chua, Vasiliis Kouranos, Gisli Jenkins, Charles Murray, Christopher Denton, Athol U. Wells, Piersante Sestini, Carmel Stock, Elizabeth Renzoni
**PA4270** Early signs of lung involvement in seropositive rheumatoid arthritis is associated with reduced exercise capacity
Frank Reichenberger (Munich, Germany), Carina Fischinger, Florian Popp, Florian Popp, Werner Von Wulffen, Nikolaus Kneidinger, Martin Wefler

**PA4271** Milder ILD with preserved lung function significantly contributes to respiratory caused mortality in SSc
Anna Maria Hoffmann-Vold (Oslo, Norway), Håvard Fretheim, Emily Langballe, Hilde Jenssen Bjørkøe, Henriette Didrik, Phuong Phuong Diep, Helena Andersson, Ragnar Gunnarson, Michael T Durheim, Torhild Garen, Øyvind Mødtvedt, Trond Mogens Aalokken, Øyvind Molberg, Oliver Distler

**PA4272** Prediction of stable SSc-ILD depends on definition of ILD progression
Anna Maria Hoffmann-Vold (Oslo, Norway), Liubov Petelytska, Håvard Fretheim, Hilde Jenssen Bjørkøe, Trond Mogens Aalokken, Mike Becker, Cathrine Brunborg, Cosimo Bruni, Christian Clarenbach, Phuong Phuong Diep, Rucsandra Dobrota, Michael Durheim, Elhai Muriel, Thomas Frauenfelder, Suzanna Jordan, Emily Langballe, Øyvind Mødtvedt, Carina Mihai, Øyvind Molberg, Oliver Distler

**PA4273** Clinical Impact of Progressive Pulmonary Fibrosis in Systemic Sclerosis-associated Interstitial Lung Disease
Kyung-Il Han (Seoul, Republic of Korea), Jung Hwa Hwang, Bo Da Nam, Jin Woo Song

**PA4274** Assessing Respiratory Muscle Strength in Patients with Rheumatoid Arthritis: An Exploratory Study
Melanie Berger (Köln, Germany), Maximilian Zimmermann, Doreen Kroppen, Daniel Majorski, Johannes Majorski, Mathes Tim, Maximilian Wollsching-Strobel, Stanzel Sarah, Wolfram Windisch, Falk Schumacher

**PA4275** Asymptomatic autoimmune interstitial lung disease: Neither subclinical nor clinically insignificant
Juan Ignacio Enghelmayer (Ciudad Autónoma Buenos Aires, Argentina), Adrian Gaser, Camilo Meza, Guillermo Besteiro, Viviana Moyano, Norma Naval, Beatriz Gil, Silvia Quadrelli, Eugenia Perticone, Doloris Lancellotti, Brenda Varela, Diego Goffredo, Giselle Tomaszuk, Fabricio Campín, Federico Zenon, Fernando Piumatti, Francisco Paulin, Gabriela Manoñelles, Gabriela Tabaj, Antonio Raga, German Arce, Paula Gonzalo, Maria Otaola, Javier Astaburuaga, Javier Sebastián, Jorge Garcia Goonzañez, Maria Laura Alberti, Luciana Molinari, Patricia Aruj, Marcela Usandivaras, Santiago Auteri, Soledad Altube, Raul Linsanti, Silvia Del Valle Escotíor, Liliana Capone, Florencia Vivero

**PA4276** PROGRESSIVE FIBROSING INTERSTITIAL LUNG DISEASE IN RHEUMATOID ARTHRITIS
Marta Andreu Casas (Barcelona-Sants (Barcelona), Spain), Sara Salvador Fernandez, Paula Barquero Dueñas, Florencia Pilia, David Espeso Castellanos, Christian Eduardo Romero Mesones, Xavier Muñoz Gall, Ana Villar Gomez

**PA4277** Experience of connective tissue related interstitial lung disease in combined respiratory and rheumatology clinic.
Alya Salman Aldosari (Clonsilla, Dublin, Ireland), Lindsay Brown, Emmet E Mcgrath, Michael Keane, Eamon Molloy, Cormac McCarthy

**PA4278** Myositis panel in interstitial lung disease
Donia Chebbi (Ben Arous, Tunisia), Samar Derbel, Olaia Hernández, Yousra Cherif, Imen Zamali, Houda Snène, Fatma Ben Dahmen, Bechir Louzir, Melika Ben Ahmed, Meya Abdallah

**PA4279** Interstitial lung disease in Sjögren’s syndrome
Houda Snène (Tunis, Tunisia), senda derouiche, Amal Harzali, Hana Blibeche, Bochra Karaboni, Donia Belkhir, Sameh Belkhir, Jalal Daghfous, Nadia Mehiri, Nozha Ben Salah, Bechir Louzir

**PA4280** The relationship between forced vital capacity (FVC), modified Rodnan skin score (mRSS) and long-term patient outcomes in systemic sclerosis (SSc) with interstitial lung disease (ILD): a literature review
Ciara O Shea, Emily Glowienia, Sarah Nickolls, Ian Steinfield, Florence R Wilson, Oluwaseun Egunsola, Alicia N. Pepper, Svetlana Nifantyova, Roger A. Levy, Daniel Moldaver

**PS-28** Session 405 08:00 - 09:30
Poster session: Clinical translation in rare interstitial lung diseases

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

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

**Tag(s):** Clinical

**Chairs:** Claudia Valenzuela (Madrid, Spain), Marissa O’Callaghan (County Cork, Ireland)

**PA4281** 35 years of the Italian cohort of Pulmonary Alveolar Proteinosis (PAP)
Sara Lettieri (Pavia, Italy), Ilaria Campo, Francesca Mariani, Davide Piloni, Vincenzo Alfredo Marando, Matteo Della Zoppa, Maria Chiara Crescenzi, Angelo Guido Corsico, Ilaria Campo

**PA4282** Effects of COVID-19 infection in patients with autoimmune pulmonary alveolar proteinosis: a single-center study
Wangji Zhou (Beijing, China), Chuanxin Duan, Miaoyan Zhang, Chongsheng Cheng, Wenshuai Xu, Jirong Dai, Shuzhen Meng, Keqi Chen, Yang Zhao, Song Liu, Shao-Ting Wang, Yanli Yang, Kai-Feng Xu, Xinlin Tian

**PA4283** Revitalizing Alveolar Immunity: MSC role in Autoimmune Pulmonary Alveolar Proteinosis
Xinyu Song (Guangzhou, China), Jing Jin, Mengni Zhang, Yiping Zhu, Shiyue Li
PA4284 Lipoid pneumonitis: new insights - a systematic review
Elisabeth Bendstrup (Aarhus N, Denmark), Morten Nielsen, Akash Meegoda

PA4285 Clinical relevance of diffusing lung capacity for carbon monoxide (DLCO) in patients with acid sphingomyelinase disease (ASMD): a post-hoc analysis
Wim A. Wuyts (Leuven, Belgium), Francesco Bonella, Maurizio Scarpa, Venediktos Kapetanakis, Pragya Shukla, Marie Fournier, Maja Gasparic, Ruth Pulikottil-Jacob

PA4286 Reality check – the low positive predictive value of positive autoimmune markers in CTD ILD/myositis
Wim Wah Soe (Eastleigh, United Kingdom), Emily C Rose, Efrem Eren, Karen Smith, Sophie Victoria Fletcher

PA4287 Circulating human myeloid cells assume a profibrotic and tissue migratory-prone phenotype in Idiopathic pulmonary fibrosis
Dmytro Sirokha (Munich, Germany), Theodoros Kapellos, Valeria Viteri, Flavia Greiffo, Loredana Asarian, Altana Namsaravea, Daniela Dietel, Marion Frankenberger, Oliver Eickelberg, Nikolaus Kneidinger, Ali Yildirim, Herbert Schiller, Jürgen Behr, Isis Fernandez

PA4288 Nintedanib in Progressive Fibrosing Interstitial Lung Disease (PFILD): Assessing Renal Function Trends and Tolerability
janet johnston (Manchester, United Kingdom), Kate Newman, Holly Montgomery, Theresa Garfoot, Conal Hayton, Pilar Rivera-Ortega

PA4289 Impact of genetic multidisciplinary team discussion on lung fibrosis
Giovanni Franco (Monza, Italy), Caroline Kannengiesser, Nadia Nathan, Albane Lassus, Cécile Guerin, Ibrahima Ba, Antoine Froidure, Efrosyni Manali, Vincent Brunel, Philippe Bonniaud, Marie Pierre Debray, Pierre Antoine Juge, Ralph Epauld, Alikis De Beccelievre, Camille Louvriur, Aurélie Plessier, Flore Sicre De Fontbrune, Lidwine Wemeau-Stervinou, Sylvain Marchand Adam, Alexandre Cabrol, Arnaud Maurac, Laurent Savale, David Montani, Bruno Crestani, Vincent Cottin, Raphael Bore

PA4290 Novel lamp3 gene mutation associated with variable clinical presentation of interstitial lung disease
Mohamad Hadhud (jerusalem, Israel), Jonathan Rips, Tamar Harel, Oded Breuer

PA4291 Impulse oscillometry in the diagnosis of subclinical obstructive airways disease in Osteogenesis Imperfecta
Louise Byrne (Dublin 8, Ireland), Eamon Sweeney, Rachel Anglin, Rachel Crowley, Cormac McCarthy, Alessandro Franciosi

PA4292 Role of genetic testing in pleuroparenchymal fibroelastosis
Joelle Friesen (Rochester, United States), Ghadah Alrehaili, Jennifer Kemppainen, Sanjay Kalra, Filipippo Pinto E Vairo, Teng Moua, Eunhee Yi, Alejandro Ferrer, Mrinal Patnaik, Eva Carmona

PA4293 Trends in pulmonary function in patients with Birt-Hogg-Dubé syndrome: A retrospective cohort study
Jesper Romhild Davidsen (Odense C, Denmark), Marie Moldt Holmager, Sarah Wordsenskjom Stougaard, Ole Graumann, Marianne Prestegaard, Lilian Bomme Ousager, Lars Lund, Annette Schuster, Casper Falster

PA4294 Cystic Lung Disease in Older Patients with Birt-Hogg-Dubé Syndrome
Vasilios Tzilas (Athens, Greece), Rui Wang, Wei Wei, Xiaowen Hu, Jay Ryu

PA4295 Quantitative assessment of CT lung abnormalities in cystic pulmonary Langerhans cell histiocytosis using parametric response mapping
Amira Benattia (Paris (Île-de-France), France), Constance De Margerie-Mellon, Samia Boussouar, Gwenaël Lorillon, Abdellatif Tazi

PA4296 Late Breaking Abstract - Tankyrase inhibition demonstrates anti-fibrotic effects in vitro, ex vivo, and in vivo in preclinical pulmonary fibrosis models
Jo Waaler (Oslo, Norway), Shoshy Alam Brinch, Ida Johnsen, Lena Wilmer, Lavinia Neubert, Patrick Zardo, Hans-Gerd Fieguth, Christina Hesse, Mark Kuipers-Skarsfeldt, Anita Wenger, Simon Cruwys, Stefan Krauss

PA4297 Late Breaking Abstract - New imaging approach to evaluate the in vivo administration of nanostructured mycophenolic acid in a preclinical model of SSC-ILD
Beatrice Ragnoli (Vercelli, Italy), Fausto Chiazza, Elena Mantovani, Alessandro Marengo, Davide Russo, Mario Malerba

PA4298 Renal angiomyolipoma and lymphangiomileiomyoma sirolimus treatment in patients with lymphangioleiomyomatosis
Elżbieta Radzikowska (Warszawa, Poland), Joanna Nowacka-Eysmont, Joanna Miłkowska-Dymansowska, Małgorzata Sobiecka, Adriana Roży, Paulina Skronska, Renata Langfort, Iwona Bestry, Stefan Wesołowski, Joanna Chorostowska-Wynimko, Katarzyna Błańska
Immunodeficiencies in childhood interstitial lung diseases: First data from the Turkish National chILD registry

Efficacy and safety of eosinophil-depleting therapy with Benralizumab in chronic eosinophilic pneumonia
Filippo Gozzi (Modena, Italy), Giulia Baldini, Caterina Cercione, Chiara Nani, Dario Andrisani, Roberto Tonelli, Enrico Clini, Stefania Cerri, Bianca Beghè

Session 406 08:00 - 09:30
Poster session: Management of patients with pulmonary vascular diseases
Disease(s): Pulmonary vascular diseases, Sleep and breathing disorders
Method(s): Public health, General respiratory patient care, Physiology, Pulmonary rehabilitation, Epidemiology
Tag(s): Clinical
Chairs: David Kiely (Sheffield (South Yorkshire), United Kingdom), Sarah Cullivan (Dublin, Ireland)

PA4301
Acute effects of normobaric hypoxia on invasively measured exercise hemodynamics in patients with pulmonary vascular disease. The HEXA-RCT
Mona Lichtblau (Zürich, Switzerland), Simon Raphael Schneider, Julian Müller, Milos Duknic, Meret Bauer, Laura Mayer, Esther Irene Schwarz, Michael Furian, Stéphanie Saxer, Silvia Ulrich

PA4302
Fluid restriction in patients with pulmonary arterial hypertension and right heart failure
Ekkehard Grünig (Heidelberg, Germany), Benjamin Egenlauf, Nicola Benjamin, Carolin Resag, Panagiota Xanthouli, Satenik Harutyunyova, Christina A. Eichstaedt

PA4303
Treatment and mortality in mild SSC-PAH
Hilde Jønsen Bjørkvikjer (Kristiansand, Norway), Cosimo Bruni, Cathrine Brunborg, Patricia Carreira, Paolo Airò, Carmen Pilar Simeón-Aznar, Marie-Elise Truchetet, Alessandro Gionello, Alexandra Balbir-Gurman, Mickael Martin, Christopher P Denton, Armando Gabrielli, Håvard Fretheim, Helle Bitter, Øyvind Midtvedt, Kaspar Broch, Arne Andreassen, Sverre Holte, Yoshiya Tanaka, Gabriela Riemekasten, Ulf Müller-Ladner, Marco Matucci-Cerinic, Ivan Castellvi, Elise Siegert, Eric Hachulla, Øyvind Molberg, Oliver Distler, Anna-Marie Hoffmann-Vold

PA4304
Effect of treatment with ambrisentan in patients with systemic sclerosis and mild pulmonary arterial hypertension: long-term follow-up data from EDITA study
Satenik Harutyunyova (Heidelberg, Germany), Panagiota Xanthouli, Paul Uebeck, Hanns-Martin Lorenz, Norbert Blank, Christina Eichstaedt, Benjamin Egenlauf, Gerry Coghlan, Christopher Denton, Nicola Benjamin

PA4305
Pathway: Non-interventional study to investigate factors influencing treatment decisions in patients with pulmonary hypertension in routine clinical practice.
Hans Klose (Hamburg, Germany), Marius Hoeper, Hanno Leuchte, Kay Kronberg, Alexander Roitenberg

PA4306
Efficacy of macitentan/tadalafil single-tablet combination therapy vs pooled monotherapy in pulmonary arterial hypertension (PAH): A DUE post hoc analysis
Ekkehard Grünig (Heidelberg, Germany), Fenling Fan, Kelly M. Chin, Assunta Senator, Jakob A. Hauser, Michael Friberg, Hany Rafael, Pavel Jansa

PA4307
Burden and Unmet Needs in Women with Pulmonary Arterial Hypertension: Multinational Physician Qualitative Study
Marion Delcroix (Leuven, Belgium), Anjali Vaidya, Tanvee Thakur, Anna Watzker, Matthew O'Hara, Abigail Silber, Amod Athavale, Ioana Preston, Dominik Lautsch, Valerie McLaughlin

PA4308
Longterm oxygen therapy in precapillary pulmonary hypertension - the SOPHA study.
Sateni Harutyunova (Heidelberg, Germany), Nicola Benjamin, Ischan Echampati, Christina Alessandra Eichstaedt, Benjamin Egenlauf, Silvia Ulrich, Grünig Ekkehard, Xanthouli Panagiota

PA4309
Real-world treatment patterns and all-cause mortality of pulmonary arterial hypertension in Europe
Kavia Mc Verhamme (Rotterdam, Netherlands), Johnmary T. Arinze, Romain Griffrer, Cesar Barboza, James Brash, Marek Oja, Hezekiah Osmulo, Dina Vojinovic, Sarah Seager, Antonella Delmestri

PA4310
Acute effects of sildenafill on exercise hemodynamics in patients with pulmonary vascular disease: The HEXA RCT series
Simon Raphael Schneider (Zürich, Switzerland), Mona Lichtblau, Julian Müller, Meret Bauer, Laura Mayer, Stéphanie Saxer, Esther Irene Schwarz, Michael Furian, Silvia Ulrich
The acute effect of high-dose supplemental oxygen on hemodynamics assessed by echocardiography in patients with pulmonary vascular disease living in Quito at 2850m.

Julian Müller (Zürich, Switzerland), Mirjam Schmucki, Michael Furian, Simon R. Schneider, Joël J. Herzig, Stéphanie Saxer, Meret Bauer, Diego Saragoni, Esther I. Schwarz, Mona Lichtblau, Elizabeth Cajamarca, Rodrigo Hoyos, Silvia Ulrich

Nocturnal cerebral oxygenation in patients with pulmonary hypertension staying at 2500m. RCT.

Michael Furian (Zürich, Switzerland), Carolin Kränzle, Vera Bissig, Simon R. Schneider, Julian Müller, Meret Bauer, Laura C. Mayer, Tanja Ulrich, Aglaia Forrer, Arcangelo Carta, Esther I. Schwarz, Konrad E. Bloch, Mona Lichtblau, Silvia Ulrich

Patient experience with transition between intravenous infusion pumps

Liliana Almeida (Cambridge, United Kingdom), Nisha Abraham, Lucia Lauria, Michelle Barfoot, Samantha Ali

Supplemental oxygen on exercise performance in highlanders with pulmonary vascular disease. A pragmatic open-label crossover RCT

Michael Furian (Zürich, Switzerland), Diego Saragoni, Julian Müller, Simon R. Schneider, Joel J. Herzig, Stéphanie Saxer, Meret Bauer, Mirjam Schmucki, Esther I. Schwarz, Elizabeh Cajamarca, Rodrigo Hoyos, Mona Lichtblau, Silvia Ulrich

Quantifying the burden of pulmonary arterial hypertension on patients’ need for caregivers and caregiver work patterns: Results from a Canadian patient survey

Brandon Buddham (Calgary, Canada), Jamie Myrah, Courtney Gubbels, Cindy Westerhout, Wendimagegn Alemayehu, Evelyn Budd, Ted Abraham, Jason Weatherald

Patients with pulmonary arterial hypertension: insights from the INSPECTIO study

Stefano De Santis (Milano, Italy), Gian Piero Perna, Laura Scelsi, Michele D’Alto, Vivio Giuliani, Roberto Badagliacca, Pietro Ameri, Fabiana Baldi, Federico Guerra, Emma Di Poi, Marco Vicenzi, Edoardo Airò, Marco Corda, Lorenzo Dagna, Cristina Piccinino, Paolo Ferrero, Alessia Uglietti, Francesco Rucci

Real-world experience of elderly patients with pulmonary arterial hypertension (PAH) initiating selexipag (EXPOSURE/EXTRACT studies)

Sean Gaine (Dublin, Ireland), Pilar Escribano-Subias, Audrey Muller, Martina Fontana, Tatiana Remenova, Stefan Söderberg, Tobias J Lange

Assessment of Group 1 PAH patients on triple therapy clinical four risk strata outcome in a UAE centre

Khaled Saleh (Abu Dhabi, United Arab Emirates), Jihad Mallat, Simi Salim, Ahmed Zyara, Venkat Aurav, Suleim Syeda, Hani Sabbour

Impact of rehabilitation on physical activity in patients with pulmonary vascular disease

Stéphanie Saxer (Zürich, Switzerland), Julian Müller, Simon Schneider, Katia Gmür, Mona Lichtblau, Silvia Ulrich

Clinical benefits with Fluticasone furoate/Umeclidium/Vilanterol therapy for COPD: post hoc subgroup analysis of ELLITHE study

Kai Michael Beeh (Taunusstein, Germany), Saskia Krüger

The STREET (Structured Efficient E-Tracking) Project for early COPD Diagnosis and Care.

Manlio Milanese (Pietra ligure (SV), Italy), Elisa Testino, Alessandro Cavaliere, Giovanni Cavallaro, Giancarlo Conte, Alessandra Longagna, Monica Cirone

COPD and Dysphagia - a 2-year follow up from the TIE-study

Margareta Gonzalez Lindh (Gävle, Sweden), Kristina Bröms, Björn Ställberg, Maria Hårdstedt, Andreas Palm, Christer Janson, Amir Farkhooy, Karin Lisspers, Marieann Högman, Andrei Malinovschi

Different exercise-induced desaturation pattern in six minute walk test between interstitial lung disease (ILD) and chronic obstructive pulmonary disease (COPD)

Ching-Hsin Chang (Taoyuan City, Taiwan), Han-Chung Hu, Kian Fan Chung, Chun-Hua Wang
Relative importance of repeated vaccine doses and prior infection on SARS-CoV-2 XBB infection
Nicole Ngai Yung Tsang (Hong Kong, Hong Kong), Hau Chi So, Benjamin J Cowling, Gabriel M Leung, Dennis Kai Ming Ip

The prevalence, clinical characteristics, and influencing factors of COPD progressed from PRISm: a cohort analysis in primary healthcare organizations in China
Hongtao Niu (Beijing, China), Qing Liu, Ting Yang

Evaluating acuity of pre-conveyance referrals from nursing homes
Chong Yau Ong (Singapore, Singapore), Jean M H. Lee, Jin Lee Lim

Patient experiences during treatment with opioids in COPD in palliative phase: A scoping review.
Berit Eide (TILLER, Norway), Berit Haanshuus, Heidi Markussen

Incidence of heart failure (HF), atrial fibrillation (AF) and ischaemic heart disease (IHD) in patients with COPD registered with a general practice within the Mid-Ulster federation area
Claire Young (Dungannon, United Kingdom), Aaron Courtenay

The influence of chronic inflammation in COPD patients aged 40 to 60 years on the early development of atherosclerotic changes in brachiocephalic vessels.
Viktoria Batashova-Halinska (Odesa, Ukraine), Iryna Andrusyshyna

How patients act in response to COPD exacerbations: results from a multi-country survey
Frits M.E. Franssen (Maastricht, Netherlands), Ruth Young, Job F M Van Boven, Michael Crooks, Marie Eckerd, Jad EI Khoury, Megan Grobert, John Hurst, Ann Hutchinson, John Linnell, Daiana Stolz, Tonya Winders, Jing Zhang, Clementine Nordon

Feasibility Study: A stand alone, 3D printed respiratory oscillometer powered by Raspberry Pi suitable to detect airway obstruction in COPD.
Karina Portillo Carroz (Badalona (Barcelona), Spain), Paloma Millan-Billi, Ester Cervera Rodriguez, Alicia Marin Tapia, Petra Stockinger, Antoni Rosell Gratacos, James Hugall

Safety of Short-acting β2-agonists (SABA) in the management of hospitalized COPD patients with cardiovascular comorbidities
Michael Kassirer (Nof Ayalon, Israel), Nitzan Sagie, Michal Gordon, Bracha Cohen, Evyatar Bar Haim, Yael Raviv

Implementation of a new healthcare model for Obstructive Sleep Apnea diagnosis by a family doctor using a simplified device(ApneaLink®) in conjunction with the hospital sleep unit and cost study
Cristina Muñoz-Pindado (Vic (Barcelona), Spain), Raül Bonich-Juan, Pere Roura-Poch, Carlos Muñoz-Pindado, Emma Puigoriol-Juvanteny, Sara Sánchez-Belmonte, Maragda Deutú-Colom, Raquel Vioque-Puebla, Luis Rodolfo Collado-Yurrita, Fernando Ruiz-Mori, Ana Maria Muñoz-Fernández, Núria Roger-Casals

Correlation between Air-trapping and Severity of Dyspnea in Non-Cystic Fibrosis Bronchiectasis
Saharat Yothinnoratham (Bangkok, Thailand), Kamon Kawkitinarong

How patients act in response to COPD exacerbations: results from a multi-country survey
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Saharat Yothinnoratham (Bangkok, Thailand), Kamon Kawkitinarong

Evaluating artificial intelligence-interpreted against pulmonologist-interpreted spirometry results: a comparative study
Gabrielle Len Antonio (CEBU CITY (CAPITAL), Philippines), Yvonne Montejo, Roger Sy

A case study on the impact of Artificial Intelligence supported spirometry in primary care
Claire Adams (Yarm, United Kingdom), Elena Smets, Julie Maes, Jon Rees, Marko Topalovic

Study of population's knowledge about the spirometry and their characteristics: CONOCESPIRO
Cristina Muñoz-Pindado (Vic (Barcelona), Spain), Dolors Juventany-Ginebra, Raül Bonich-Juan, Carlos Muñoz-Pindado, Maragda Deutú-Colom, Mireia Prat-Viñolas, Raquel Vioque-Puebla, Sara Sanchez-Belmonte, Emma Albià-Real, Carme Lázaro-Carrascosa, Alexandra Simó-Llaver, Antonia Ocaña-Padilla

Partner impact on the efficacy of continuous positive airway pressure in the treatment of obstructive sleep apnea
Ines moussa (ariana, Tunisia), Lenda Ben Hmida, Hana Mrassi, Nour Lahbib Jallouli, Imen Sahnoun, Leila Douik Elgharbi

Late Breaking Abstract - Exploring optimal management of mild to moderate long-COVID symptoms with OTC medication
Mariane BALLERINI FERNANDES (Egham, United Kingdom), Guy Boivin, Benjamin J. Cowling, Will Shannon, Preeti Kachroo, Pascal Mallefet, Pranab Kalita, Alexandru Mircea Georgescu

Poster session: Conquering chronic obstructive pulmonary disease: are we there yet?
Disease(s) : Airway diseases, Interstitial lung diseases
Method(s) : Endoscopy and interventional pulmonology, Cell and molecular biology, Surgery, Transplantation, Epidemiology, General respiratory patient care
Tag(s) : Clinical
Chairs : Karin Klooster (Groningen, Netherlands), Antonio Moretti (Amsterdam, Netherlands)

**PA4341**
Bronchoscopic Lung Volume Reduction with Zephyr Valves: The French Real-world Experience  
Thomas Egenod (Limoges, France), Romain Kessler, Bruno Degano, Armelle Marceau, Arnaud Bourdin, Christophe Gurt-Gobert, Frederic Wallyn, Samy Lachkar, Nicolas Favrot, Isabelle Court-Fortune, Narinder Shargill, Nicolas Guibert

**PA4342**
Prospective study on body composition measured by bioelectrical impedance analysis after endoscopic lung volume reduction with valves  
Judith Brock (Heidelberg, Germany), Christina Rott, Eldridge Limen, Konstantina Kontogianni, Felix Herth

**PA4343**
Prospective study on changes in the microbiome after bronchoscopic therapies in COPD  
Judith Brock (Heidelberg, Germany), Susanne Dittrich, Konstantina Kontogianni, Felix Herth, Marc Schneider, Thomas Muley, Gernot Poschet, Alexander Dalpke, Cheaib Bachar

**PA4344**
Effect of bronchoscopic lung volume reduction using endobronchial valves on endothelial function in severe COPD: A randomized controlled trial  
Jasmin Wani (Uster, Switzerland), Noriane A. Sievi, Christian F. Clarenbach, Malcolm Kohler*, Daniel P. Franzen*

**PA4345**
Peri-interventional single shot antibiotic prophylaxis may not inferior to a 5/7-day antibiotic prophylactic regime for patients undergoing endoscopic lung volume reduction  
Eva Pappe (Berlin, Germany), Hadis Darvishi Nakhl Ebrahimi, Thomas Sgarbossa, Jacopo Saccomanno, Martin Witzentnath, Ralf-Harto Hübner

**PA4346**
Comparison of efficacy and safety of different types of one-way valves in endoscopic lung volume reduction in patients with severe lung emphysema.  
Thomas Sgarbossa (Berlin, Germany), Philipp Borchers, Jacopo Saccomanno, Hannah Wüstefeld, Eva Pappe, Uta Wülfing, Ulrich Klein, Martin Witzentnath, Franz Stanzel, Christian Grah, Ralf-Harto Hübner

**PA4347**
Efficacy and Safety of Bronchoscopic Lung Volume Reduction for Chronic Obstructive Pulmonary Disease: A Systematic Review and Network Meta-analysis  
Weidong Xu (Beijing, China), Gang Hou, Mingming Deng, Ziwen Zheng

**PA4348**
Endobronchial closure of postoperative bronchopleural fistula with embolization coils: a sandwich-like approach  
Shuliang Guo (Chongqing (Chongqing), China), Yang Bai, Yishi Li

**PA4349**
Endobronchial valve treatment improves diaphragm function in severe emphysema patients  
Else A M D ter Haar (Groningen, Netherlands), Dirk-Jan Slobos, Sonja W S Augustijn, Linze J Dijkstra, Jorine E Hartman

**PA4350**
Risk factors for pneumothorax after treatment with endobronchial valves; a retrospective cohort study  
Kirstine Hermann Jørgensen (Randers SØ, Denmark), Thomas Decker Christensen, Ingrid Louise Titlestad, Jesper Romhild Davidsen, Kathrine Bock, Kristine Jensen, Michael Perch, Morten Bendiex, Ole Dan Jørgensen, Elisabeth Bendstrup

**PA4351**
Clinical Response Rate to Endobronchial valve treatment of Chronic Obstructive Pulmonary Disease; A retrospective cohort study  
Kirstine Hermann Jørgensen (Randers SØ, Denmark), Thomas Decker Christensen, Ingrid Louise Titlestad, Jesper Romhild Davidsen, Kathrine Bock, Kristine Jensen, Michael Perch, Morten Bendiex, Ole Dan Jørgensen, Elisabeth Bendstrup

**PA4352**
Efficacy and Safety of Broncho Muco Cleaner Balloon Dilatation Therapy in COPD(EXERTION®)  
Umut İlhan (İstanbul, Turkey), Erdoğan Çetinkaya, Mustafa Çörtük, Demet Turan, Fulya Senem Karahmetoğlu, Zeynep Betül Özcan, Barış Demirkol

**PA4353**
Promoting Tracheal Fistula Healing by Using Designed Bioactive materials  
Yiming Zeng (Quanzhou (Fujian Province), China), Shao-Bin He

**PA4354**
Effect of Bronchoscopic lung volume reduction on Diaphragmatic Contraction in Patients with severe Emphysema  
Maud Lormans (Roeselare, Belgium), Alexandros Kalkanis, Dries Testelmans, Marie Vermant, Hannelore Geysen, Dimitrios Papadopoulos, Bertien Buyse, Wim Janssens, Stephanie Everaerts

**PA4355**
Bronchial Rheoplasty for Chronic Bronchitis  
Hans Henrik Schultz (København, Denmark), Regitze Hertz Liebermann, Kristine Jensen, Jann Mortensen, Erik Lilja Secher, Thomas Krommann Lund, Michael Perch

**PA4356**
A comparative study of airway Optical coherence tomography to assess airway morphology in patients with asthma, COPD, and ACO  
Wanyuan Rao (Guangzhou, China)
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<td>PA4357</td>
<td>Effect of intrapulmonary percussion ventilation on mucus in COPD patients</td>
<td>Wendel Dierckx (Kontich, Belgium), Kris Ides, Yinka De Meyer, Eline Lauwers, Jan De Backer, Wilfried De Backer</td>
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<td>PA4358</td>
<td>Bronchial Anthracostenosis</td>
<td>Elena Martin Gallego (León, Spain), Pablo Franco Suarez, Yanira Chuquimia Mendoza, Brenda Lucia Romero Argüello, Javier Juan Garcia, Yolanda Ramos Alonso, Milagros Blanco Fernández, Almudena Regidor Delgado, Patricia Giganto Alfageme, Lorena Rodriguez Casado, Silvia Fernández Huerga, Luis Carazo Fernandez</td>
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<td>PA4359</td>
<td>Long-term cost-effectiveness of transbronchial lung cryobiopsy in comparison to lung biopsy in the assessment of interstitial lung diseases</td>
<td>Joaquin Mariano Furcada (Ciudad Autónoma Buenos Aires, Argentina), Eduardo Luis De Vito, Horacio Matias Castro, Hernan Javier Benito</td>
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<td>PA4360</td>
<td>Late Breaking Abstract - Preliminary Safety and Efficacy of PulmValve Endobronchial Valve in Treating Severe Heterogeneous Emphysema: A First-in-Human Study</td>
<td>Shi-Yue Li (Guangzhou, China)</td>
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**PS-31**  
**Session 409**  
**08:00 - 09:30**  

**Poster session:** Man and machine: getting the balance right to support respiratory care and clinical skills

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

**Method(s):** Imaging, Public health, Epidemiology, General respiratory patient care, Physiology, Pulmonary function testing, Pulmonary rehabilitation, Endoscopy and interventional pulmonology

**Tag(s):** Congress theme: Humans and Machines: getting the balance right, Clinical

**Chairs:** Vitalii Poberezhets (Vinnytsia, Ukraine), Apolline Gonsard (Paris, France)

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<td>Comparison of two AI-based software tools for detection of Incidental Pulmonary Nodules (IPN) in a University Hospital and a Radiology Practice</td>
<td>Rimma Kondrashova (Hannover, Germany), Isabelle Ayx, Jens Langstein, Gerald Schmid-Bindert, Jens Vogel-Claussen</td>
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<td>PA4362</td>
<td>Evaluating the value of AI in lung imaging: a comprehensive review and evidence gap analysis from the healthcare authorities' and reimbursement perspective</td>
<td>Jana Keller (Forchheim, Germany), Fabien Cofane</td>
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<td>PA4363</td>
<td>Using AI to expose the mechanisms of exertional dyspnoea in COPD: conflating “excessive” and “constrained” ventilation during incremental CPET</td>
<td>J. Alberto Neder (Kingston (ON), Canada), Abed Hijleh, Danilo Berton, Sophia Wang, Igor Neder-Serafini, Matthew James, Sandra Vincent, Nicole Domnik, Devin Phillips, Denis O’Donnell</td>
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<td>Artificial intelligence (AI) in the initiation of CPAP treatment</td>
<td>María Sáez (Barcelona, Spain), Cristina Aljama, Marta Andreu, Yolima Cossio, Emmanuel Giménez, Miriam Barrecheguren, Jorge Riquelme, Julia Sampol Sirvent</td>
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<td>Delian Hofman (Rotterdam, Netherlands), Karen Moor, Rémy Mostard, Frouke Van Beek, Marlies Wijsenbeek, Marleen De Mul</td>
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<td>PA4366</td>
<td>Telemonitoring of pediatric asthma outpatient settings: a systematic review</td>
<td>Inês Pais Cunha (Porto, Portugal), José Fontoura Matias, Laura Leite Almeida, Manuel Magalhães, João Almeida Fonseca, Inês Azevedo, Cristina Jácome</td>
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<td>PA4367</td>
<td>Personalised longitudinal symptom tracking for Long COVID in Northern Ireland</td>
<td>Katrina Delargy (Antrim, United Kingdom), Rachel Carlisle, Nazia Chaudhuri</td>
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<td>PA4368</td>
<td>Telemonitoring and the Aversion of Severe COPD Exacerbation: A Systematic Review and Meta-Analysis</td>
<td>Sujeen JANG (Seoul, Republic of Korea), Youngmee Kim, Won-Kyung Cho</td>
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<td>PA4369</td>
<td>Digital inhaler adherence monitoring and intervention in COPD: A systematic review and meta-analysis</td>
<td>Hnin Wint Aung (Leicester, United Kingdom), Ronnie Tan, Cara Flynn, Pip Divall, Anna Murphy, Tom Ward, Neil Greening</td>
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<td>Kathryn Ferris (Bangor, United Kingdom), Paddy Mc Crossan, Michael Shields, James Paton, Lesley Storey, Dara O'Donoghue</td>
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<td>Session 410</td>
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<td><strong>Poster session: Exploring novel mechanisms and targets in chronic obstructive pulmonary disease</strong></td>
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<td><strong>Disease(s):</strong></td>
<td>Airway diseases, Pulmonary vascular diseases</td>
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<td><strong>Method(s):</strong></td>
<td>Cell and molecular biology, Imaging</td>
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<td>Basic science, Translational</td>
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<td><strong>Chairs:</strong></td>
<td>Kinan El Husseini (Paris, France), Sukhwinder Sohal (Launceston, Australia)</td>
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<tr>
<th><strong>Cell-type specific expression of TSLP &amp; its regulation by smoking in human airway epithelium</strong></th>
<th>Senani Ratnayake (Sydney, Australia), Manav Sharma, Corry-Anke Brandsma, Brian Oliver, Wim Timens, Ian Adcock, Martijn Nawijn, Irene Heijink, Maarten Van Den Berge, Alen Faiz</th>
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<td><strong>Altered expression of miR-193b-3p, miR-202-5p and miR-331-3p in SEO-COPD lung tissue</strong></td>
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<td><strong>Lower HHIP serum protein levels in young COPD</strong></td>
<td>Mohamed Zakaria LAHMAR (Montpellier, France), Engi Ahmed, Aurelie Fort, Isabelle Vachier, Nicolas Molinari, Anne Bergougnoux, Arnaud Bourdin</td>
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<td><strong>LSC - 2024 - Epigenetic age acceleration and severity of airflow limitation on blood and lung tissue of COPD</strong></td>
<td>Julieta Viglino (Barcelona, Spain), Sandra Casas-Recasen, Nuria Olvera, Tamara Garcia, Alvar Agusti, Rosa Faner</td>
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<td><strong>Role of mitophagy regulator USP30 on mitochondrial health and airway epithelial function</strong></td>
<td>Michael Munson (Mölndal, Sweden), Elisabeth Ax, Reetta Holmila, Emma Korhonen, Agnes Leffler, Markus Tammia, Ken Grime, Odqvist Lina</td>
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<td><strong>Smoke-Triggered Cell Apoptosis: Role of miRNA200a-ZEB2 Interaction in BEAS-2B Cells</strong></td>
<td>Jia Hou (Yinchuan, China), Xia Wang, Jiale Zhao, Xinru Peng, Zhijun Zhao, Juan Chen</td>
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<td>PA4387</td>
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<td>Alexandra Baikov (London, United Kingdom), Ali Versi, Nadia Fernandes, James Tonkin, Rebecca Wawman, Ricardo Williams, Nik Matthews, Christopher Orton, Pallav Shah, Pankaj Bhavsar</td>
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<td>Cristina Esquinias Lopez (Barcelona, Spain), Cristina Aljama, Alexa Nuñez, Gerard Orriols, Galo Granados, Miriam Barrechejuren, Marc Miravitlles</td>
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<td>Yutian Zhang (Chengdu, China), Zijian Zeng, Mengxin Cheng, Tao Wang, Jun Chen, Fuqiang Wen</td>
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<th>PA4393</th>
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<td>yang liu (zhengzhou, China), Yange Tian, Zhaojia Guan, Lanxi Zhang, Yixi Liao, Fanli Jin, Xuejie Shao, Jiansheng Li</td>
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<th>Modelling COPD in Drosophila Melanogaster by cigarette smoke inhalation exposure: Alterations in the expression of COPD-relevant orthologous genes</th>
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<td>PERIKLIS MARNAS (Larisa, Greece), Sotiris Zarogiannis, Stefan Lüspold, Lydia Giannakou, Athanasios-Stefanos Giannopoulos, Chrissi Hatzoglou, Konstantinos Gourgoulivanis, Erasmia Rouka</td>
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<th>PA4396</th>
<th>GLUT3 mediated airway remodeling in chronic obstructive pulmonary disease through the NF-kB/ZEB1 pathway</th>
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<td>Tao Bian (Wuxi, China), Yu Ding, Ziteng Wang, Zheming Zhang, Rong You, Yan Wu</td>
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<th>PA4397</th>
<th>LSC - 2024 - Mucin overexpression in (pre-)COPD lung tissue correlates with degree of emphysema</th>
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<td>Hanne Voet (Wilrijk, Belgium), Baptiste Österlinck, Wout Arras, Dieter Peeters, Jeroen Hendriks, Stijn Verleden, Annemieke Smet, Thérèse Lapperre</td>
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<th>PA4398</th>
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<td>Jing Zhang (Shanghai (Xuhui District), China), Jian-Lan Hu, Bin-Feng He</td>
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<th>The effects and mechanisms of PRDX6 on alleviating epithelial ferroptosis in COPD through enhancing the stability of ferritin and inhibiting its ferritinophagy</th>
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<td>Tingting Wei (Shanghai, China), Xiaocen Wang, Ke Lang, Dong Yang</td>
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<th>PA4400</th>
<th>Spatial transcriptome analysis in the airway epithelium identifies an altered gene expression profile in COPD versus control tissue</th>
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<td>Robert Hall (Nottingham (Nottinghamshire), United Kingdom), Michael Portelli, Alexander Clay, Ian Hall, Ian Sayers</td>
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**PS-5**  
Session 411  
08:00 - 09:30  
Poster session: Unravelling the vital role of immune cells in respiratory health  
Disease(s): Interstitial lung diseases, Airway diseases, Thoracic oncology, Respiratory critical care, Pulmonary vascular diseases  
Method(s): Cell and molecular biology, Physiology, Imaging, Pulmonary function testing  
Tag(s): Translational  
Chairs: Nahal Mansouri (Lausanne, Switzerland), Theodore Kapellos (Munich, Germany)  
Cigarette smoke with IL-33 delivery leads to an exacerbated phenotype and hallmarks of mixed type 1/type 2 lung inflammation in mice  
George Scott (Tarrytown, United States), Angelos Papatheodorou, Kaitlyn Gayvert, Weikeat Lim, Andrew Murphy, Audrey Le Floc'H, Seblewongel Asrat, Matthew Sleeman, Jamie Orenjo
IL4 and IL13 cytokines exacerbate cigarette smoke-induced lung inflammation in mice by driving type 2 inflammation
audrey le floch-ramondou (Tarrytown, United States), Angelos Papatheodorou, George Scott, Seblewongel Asrat, Andrew Murphy, Matthew Sleeman, Jamie Orenge

Macrophage inflammation and association with structural remodeling in pre-COPD
Stijn Verleden (Wilrijk, Belgium), Jeroen Hendriks, Hanne Voet, Annemiek Snoeckx, Senada Koljenovic, Dieter Peeters, Therese Lapperre

Aloxistatin attenuates TNF-α-induced inflammatory responses in human bronchial epithelial cells: Implications for ARDS therapy
Xuan Phuc Nguyen (Freiburg, Germany), Eleni Papakonstantinou, Charikleia Ntenti, Maria-Elpida Christopoulou, Gernot Zissel, Daiana Stolz, Sebastian Fähndrich

Stem cell treatment reduces T cell apoptosis in COPD patients with chronic bronchitis but not with emphysema
Zeynep Mercanci (Istanbul, Turkey), Emel Eryuksel, Zeynep Tunca, Sabriye Seren Kilic, Derya Kocakaya, Esra Akdeniz, Nur Ecepl Oztop, Esin Cetin, Tunc Akkoc

The correlation of tolerageneric TIGIT+NK cells with the severity of COPD
Kuan-Yuan Chen (New Taipei City, Taiwan), Yueh-Hsi Chen, Kang-Yun Lee

CD4+ and CD8+ type-2 cells are enriched in sputum during COPD eosinophilic exacerbations
Adam Wright (Leicester (Leicestershire), United Kingdom), Hnin Aung, Tracy Thornton, Helen Evans, Akomeno Egbo, Sarah Edwards, Rebecca Dale, Hamish Mcauley, Omer Elnaima, David J. Cousins, Neil Greening, Chris Brightling

Impact of glucocorticoids on damage-associated molecular patterns (DAMPs) release by human macrophages exposed to cigarette smoke and lipopolysaccharide
Chiara Cipollina (Palermo (PA), Italy), Salvatore Caruccio, Maria Rita Giuffrè, Lara Di Leonardo, Alice Conigliaro

Alveolar Macrophage based personalized therapy for the delivery of IL-37
Isabell Theisohn (Homburg (Saar), Germany), Christoph Beisswenger, Christian Herr, Robert Bals

Pregnancy exacerbates neutrophil responses in murine lungs after cigarette smoke exposure
Ali Deghhani (Utrecht, Netherlands), Jeroen Van Bergenhengouwen, Johan Garssen, Gert Folkerts, Saskia Braber

Pulmonary safety assessment of cancer immunotherapy on a patient-derived lung-on-chip
Giulia Raggi (Bern, Switzerland), Lauriane Cabon, Laurene Froment, Nicole Albrecher, Linda Steinacher, Lea De Maddalena, Janick Stucki, Tina Hobi

Late Breaking Abstract - Severe alpha-1 antitrypsin deficiency is associated with increased expression of CD8+ T cell markers
Rebecca FitzGerald (Dublin, Ireland), Malcolm Herron, Lasya Kanchi, Emma Leacy, Ronan Heeney, Suzanne Roche, Tomás Carroll, Mark Murphy, Noel Gerard McElvaney

Neutrophil-chemoattractant CXCL5 disrupts the lung barrier during acute lung injury
Geraldine Nouailles (Berlin, Germany), Sarah Berger, Cengiz Goekeri, Peter Pennitz, Birgitt Gutbier, Laura Michalick, Karen Hoffmann, Elena Lopez-Rodriguez, Vladimir Gluhovic, Sandra-Maria Wienhold, Ulrike Behrendt, Alexander Taylor, Kristina Dietert, Holger Kirsten, Torsten Hain, Sarah Volkers, Sebastian Weis, Achim D. Gruber, Leif E. Sander, Wolfgang Kübler, Norbert Suttorp - Capsys Study Group, Martin Witzenrath

Investigation of immune dysregulation in bronchiectasis: alterations of myeloid-derived suppressor cells and regulatory T cells
Andreas M. Matthaiou (Athens, Greece), Nikoleta Bizymi, Georgios Pitsidianakis, Eirini Vasarmidi, Christos Skiadas, Nikolas Tzanakis, Katerina M. Antoniou

Airway neutrophils are primed for neutrophil extracellular trap formation in bronchiectasis: preliminary data from the BRILLIANT cohort study
Thomas Pembridge (Dundee, United Kingdom), Emma Johnson, Holly Lind, Eve McIntosh, Morven Shuttleworth, Kateryna Viligorska, Megan Crichton, Helen Liddicoat, Dave Connell, Amelia Shoemark, Alison Dicker, Lucy Bidgood, Erin Cant, Kris Ostridge, Maria Belvisi, Adam Platt, Merete Long, James Chalmers

Portraying B cells in IPF: a focus on micro-environment and IgA secretion
Youri Bertrand (Woluwe Saint-Pierre, Belgium), Thomas Planté-Bordeneuve, Charles Pilette, Antoine Froidure

Patterns of inflammatory airway cells in young adults with bronchopulmonary dysplasia: a study from large and small airways
Jing Gao (Helsinki, Finland), Petra Um-Bergström, Eva Berggren-Broström, Lindén Anders, Åsa M Wheelock, Magnus Carl Sköld
**PA4418**
Tregs, lymphocytes and molecules CTLA-4 and PD-1 in patients with co-existence of COPD and lung cancer - preliminary report
Robert Uliński (Warsaw, Poland), Joanna Domagala-Kulawik, Anna Trojnar, Iwona Kwiecień

**PA4419**
Leukotriene A4 hydrolase (LTA4H) inside neutrophil derived extracellular vesicles breaks down PGP when exposed to neutrophil elastase.
Kristopher Genschmer (Birmingham, United States), Tamiajoi Langster, Ningyong Xu, J. Edwin Blalock, Derek Russell

**PA4420**
Exhaled breath condensate in ILD with ultrasensitive cytokine measurement: paving the way of a non-invasive investigational tool
William Ringling (Liège, Belgium), Monique Henket, Aurélie Ladang, Stéphanie Kovacs, Benoit Ernst, Renaud Louis, Etienne Cavalier, Julien Guiot

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**PS-6**
**Session 412** 08:00 - 09:30

**Poster session: Therapeutic interventions and nutrition in lung health and disease**

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

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

**Tag(s):** Basic science, Translational

**Chairs:** Manuela Funke-Chambour (Bern, Switzerland), Mustafa Abdo (Grosshansdorf, Germany)

**PA4421**
Engineered MSC-derived sEVs Rescue Mitochondrial dysfunction in Human Macrophages via transfer of miR24-3p in preclinical models of ARDS
Yue Su (Belfast (Northern Ireland), United Kingdom), Jinfu Xu

**PA4422**
High insulin inhibits ferroptosis and alleviates acute lung injury via LNC473-HIF1α-GPX4/FSP1 axis in obese mice
Shibo Guan (shenyang, China), Wei Wang

**PA4423**
Effect of the putative senotherapy, Fisetin on small airway epithelial cells in COPD
Justine Devulder (London, United Kingdom), Peter Fenwick, May Al Sahaf, Patrizia Viola, Louise Donnelly, Peter Barnes

**PA4424**
Namrata Kewalramani (Bern, Switzerland), Carlos Machahuia, Thomas Marti, Michellé Zingg-Bärtschi, Fabian Käsermann, Martin Stampfl, Kleanthis Fytianos, Manuela Funke-Chambour

**PA4425**
Whey Protein Supplementation Improves Lung Function, Functional Capacity and Respiratory and Peripheral Muscle Strength in Healthy Older Adults
Rodolfo P Vieira (Anápolis, Brazil), Meiry de Souza Moura Maia, Anamei Silva-Reis, Rosa Helena Ramos De Paula-Vieira, Eduardo Teodora Rachid Wolpp, Naiara Nadia Moreira, Luis Vicente Franco De Oliveira, Andre Luis Lacerda Bachi, Yanesko Fernandes Bella

**PA4426**
Tartrate-resistant acid phosphatase activity and apoptotic clearance by alveolar macrophages of rabbits on an oil diet and with pulmonary emphysema
Snežana Zunic (Belgrade, Republic of Serbia), Svetlana Zunic

**PA4427**
Lead optimization and mode-of-action elucidation for novel antifibrotics
Kevin Merchant (Munich, Germany), Diana Porras-Gonzalez, Xin Wei, Huilong Ma, Michal Kratochvi, Niklas Lang, Ahmed Agami, Melanie Wögrath, Nikolaus Kneidinger, Ali Önder Yildrim, Herbert B. Schiller, Oliver Plettenburg, Michael Gerckens, Gerald Burgstaller

**PA4428**
Virlaza® Demonstrates Profound Anti-inflammatory Effects Against Viral and Bacterial Infections: From Laboratory Research to Clinical Application
Rodolfo P Vieira (Anápolis, Brazil), Dobroslav Melamed, Maysa Alves Rodrigues Brandao-Rangel, Boris Brill, Razi Ronnen

**PA4429**
Effect of the novel senolytic drug, BCL-xL PROTAC, on small airway epithelial cells in COPD
Justine Devulder (London, United Kingdom), Peter Fenwick, May Al Sahaf, Patrizia Viola, Neetu Razdan, Raphael Lemaire, Lina Oqvist, Louise Donnelly, Peter Barnes

**PA4430**
Treatment with angiotensin-(1-7) shows a prolonged effect in an experimental model of chronic asthma with the maintenance of the allergen challenge
Igor Antonio Carvalho-Ribeiro (Belo Horizonte, Brazil), Maria Glória Rodrigues-Machado, Giselle Magalhães, Juliana Gregório, Kezia Gonza, Robson Augusto S. Santos, Maria José Campagnole-Santos

**PA4431**
TGFβ drives fibrotic remodeling via modulation of homeostatic and pathological fibroblast populations in a murine model of pulmonary fibrosis
Michael Beers (Philadelphia, United States), Willy Roque-Barboza, Aditi Murthy, Sarah Bui, Yaniv Tomer, Charlotte Cooper, Katrina Chavez, Anamarie Reineberg, Luis Rodriguez
A micropeptide MSTRG.1695.1-aa alleviates inflammatory-fibrosis pathological injury of lung tissue in COPD mice by suppressing EMT via targeting p38-MAPK

MicroRNA-135a-5p suppresses the CaSR-NLRP3 inflammasome axis and protects against sepsis-induced acute lung injury

Inhibition of the de-ubiquitinase USP30 in human fibroblasts from IPF patients suppresses the fibrotic response

Repetitive human UC-MSC administration limits the progression of pulmonary fibrosis induced by repetitive bleomycin instillation

Late Breaking Abstract - KLF2 inhibits mechanical ventilation-induced lung injury by restoring the mitochondrial function of AEC2

Association between oxidative potential from particulate matter collected by personal samplers, and systemic inflammation in adult asthma patients. Preliminary results of ASTHMA-FENOP study

Interactions between candidate gene polymorphisms and air pollutants on asthma severity in adults

Role of the neutrophil in a mouse model of pollutant-aggravated allergic asthma

Impact of prenatal stress on childhood wheeze and asthma
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<td>PA4445</td>
<td>Late Breaking Abstract - Assessing Inflammatory Response to Air Pollution via VOCs in Exhaled Breath</td>
<td>Elizabeth Crone (Newcastle-upon-Tyne, United Kingdom), Agnieszka Smolinska, Stephen Lam, Ingrid Elisia, Crista Bartolomeu Bartolomeu, Gerald Krystal, Billy Boyle, Max Allsworth, Matt Kerr, Lara Pocock, Renelle Myers</td>
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<tr>
<td>PA4446</td>
<td>Air pollutants and greenspaces exposure, and associations with respiratory health of children</td>
<td>Sowmya Malamardi (Bundoora, Victoria, Australia, India), Katrina Lambert, Bircan Erbas, Mahesh Padukuduru Anand, Virendra Singh, Sundeeck Salvi, A Gan Collaborators</td>
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<tr>
<td>PA4447</td>
<td>Severity Response of Chronic Obstructive Pulmonary Disease to Temperature Fluctuations Due to Extreme Weather Events and Climate Change</td>
<td>Hsiao-Chi Chuang (Taipei, Taiwan), Syue-Wei Peng, Feng-Ming Yang, Shu-Chuan Ho, Sheng-Min Wu, Cheng-Wei Lin, Chia-Li Han, Kian Fan Chung, Yuan-Hung Wang, Kang-Yun Lee</td>
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<tr>
<td>PA4448</td>
<td>Analysis of individuals presenting phenotypes of extreme high and low risk of developing tobacco-induced lung cancer.</td>
<td>Maria Navamuel Andueza (Pamplona, Spain), Pablo Echegoyen Ruiz, Maria Del Mar Ocon De Miguel, Alicia Sayes Chueca, Isberling Madeleine Di Frisco Ramirez, Carmen Felgueroso Rodero, Matilde Sangro Prieto, Ana Belén Alcaide Ocaña, Aranzazu Campo Ezquibel, Gorka Bastarrrika, Ana Ezponda Casajus, Javier Pueyo, Luis Seijo Maceiras, Luis Montuenga Badía, Jose Luis Perez Gracia, Juan Pablo De Torres Tajes</td>
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<tr>
<td>PA4449</td>
<td>Epithelial-Mesenchymal-transition (EMT) and epithelial integrity: role of viral/ bacterial infections in an “in vitro” COPD modelling</td>
<td>Giussy Daniela Albano (Palermo (PA), Italy), Angela Marina Montalbano, Rosalia Gagliardo, Mirella Profita</td>
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<td>PA4450</td>
<td>Wood smoke exposure induces lymphocyte activation in blood and bronchoalveolar lavage in humans.</td>
<td>Alva Matilda Hansson (Umeå, Sweden), Jamshid Pourazar, Maria Friberg, Annelie Behndig, Thomas Sandström, Ala Muala</td>
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<tr>
<td>PA4451</td>
<td>Associations between fine particulate matter and lung function during late childhood and adolescence: the Sustainable Household Energy Adoption in Rwanda (SHEAR) Study</td>
<td>Kellin Slater (Fort Collins, United States), Ky Tanner, Vincent Cleveland, Bonnie Young, Christian L'Orange, Rebecca Witnok-Huber, John Balnes, Egide Kalisa, Lindsay Zurbau, Theoneste Ntakirutimana, Kayleigh Keller, John Volekens, Maggie Clark</td>
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<tr>
<td>PA4452</td>
<td>Impact of Indoor Air Pollution on Health Outcomes in Patients with Idiopathic Pulmonary Fibrosis</td>
<td>Hee-young Yoon (Seoul, Republic of Korea), Kyumin Kim, Sun-Young Kim, Sung Woo Park, Sun Mi Choi, Jimyung Park, Won-II Choi, Joo Hun Park, Jongmin Lee, Yong Suk Jo, Hyung Koo Kang, Alawo, Song Yee Kim, Hongseok Yoo, Jong Sun Park, Eun Joo Lee, Yong Hyun Kim, Hoseob Kim, Ji Hyun Oh, Jin Woo Song</td>
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<tr>
<td>PA4453</td>
<td>The effect of air pollution on the antiviral immune response in pulmonary fibrosis</td>
<td>Carmelo Sofia (Rome, Italy), Liam Edgeway, James Parkin, Lareb S N Dean, Yihua Wang, Donna E Davies, Luca Richeldi, Mark G Jones, Matthew Loxham</td>
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<td>PA4454</td>
<td>Changes in pharyngeal microbiota composition in patients with idiopathic pulmonary fibrosis</td>
<td>Xueting Yuan (Beijing, China), Ye Liu, Jing Wang, Jin Jin, Xiaomao Xu</td>
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<td>PA4455</td>
<td>Seasonal dynamics of airway microbiome in patients with COPD</td>
<td>SunHee Heo (Seoul, Republic of Korea), Bo-Yun Choi, Suk Young Park, Na Hyun Kim, EunKyeyong Song, Woo Jun Sul, Sei Won Lee</td>
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<td>PA4456</td>
<td>Association between the gut microbiome and low skeletal muscle mass in patients with COPD</td>
<td>Daisuke Kinose (Otsu, Japan), Satoru Kawashima, Seiko Ohno, Akio Yamazaki, Yasuki Uchida, Hiroaki Nakagawa, Masafumi Yamaguchi, Katsutaro Morino, Akira Andoh, Yasutaka Nakano, Emiko Ogawa</td>
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<td>PA4458</td>
<td>Geographic variation of the microbiome-resistome in bronchiectasis: Data from the European Bronchiectasis Registry (EMBARC)</td>
<td>Kai Xian Thng (Tampines, Singapore), Michéel Mac Aogáin, Jayanth Kumar Narayana, Franiskus Xaverius Ivan, Tavleen Kaur Jaggi, Michal Shteinberg, Amelia Shoemark, Eva Polverino, Tobias Welte, Francesco Blasi, Stefano Alliberti, Pieter Goemmine, Natalie Lorent, Raja Dhar, Arietta Spinou, Michael Loebinger, Charles Haworth, Oriol Sibila, James D Chalmers, Sanjay H Chotirmall</td>
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Long term effects of COVID-19 on the oral and lower airway microbiota
Daniela Alferes de Lima Headley (Dundee, United Kingdom), Hollian Richardson, Chandani Hennayake, Zsofia Eke, Jamie Stobo, Ling-Pei Ho, Alex Horsley, Michael Marks, Krishnash Pomasamy, Betty Raman, Louise V Wain, Rachael A Evans, Christopher E Brightling, Alison J Dicker, Philip L Molyneaux, James D Chalmers

The pleural microbiome in lung transplant recipients and non-transplant patients
Carlo Mümmler (München, Germany), Michael Gerckens, Silvia Gschwendtner, Mircea-Gabriel Stoleriu, Nicole Weiss, Ignaz Briegel, Laura Elsner, Philipp Plohmman, Maximilian Vorstandlechner, Diego Kaufmann-Guerrero, Gerald Burgstaller, Ali Önder Yildirim, Michael Schloter, Katrin Milger, Christian Schneider, Sebastian Michel, Michael Irlbeck, Najib M. Rahman, Jürgen Behr, Nikolaus Kneidinger

PS-8 Session 414 08:00 - 09:30
Poster session: Exploring novel dimensions in the management of sleep-disordered breathing

Disease(s): Sleep and breathing disorders, Airway diseases
Method(s): Pulmonary rehabilitation, Epidemiology, Physiology, General respiratory patient care, Public health, Pulmonary function testing, Imaging, Cell and molecular biology
Tag(s): Congress theme: Humans and Machines: getting the balance right, Clinical

PA4461 Crural and costal diaphragm activity diverge during REM sleep
Hiromitsu Kuroda (Sapporo, Hokkaido, Japan), Michael Ji, Jasmine Park, Paul Easton

PA4462 IS OSCILLOMETRY USEFUL IN OBSTRUCTIVE SLEEP APNEA?
Adriana Rodriguez Perejo (Pozuelo De Alarcón (Madrid), Spain), Cristina López Rioñolobos, Leonardo Saldaña Perez, Cristina Matesanz López, Jose Maria Diaz Garcia, Sonia Pascual Garcia, Jorge Mora Pinilla, Alejandro Garcia Garcia, Araucli Abad Fernandez

PA4463 OSA diagnosis by respiratory movement analysis using a conventional smartphone 3D camera
Aida Muñoz Ferrer (Badalona, Spain), Ignacio Alejandro Vicente, Miguel Angel Cervantes, Ignasi Garcia-Olivé, Juan Treviño, Maria Teresa Moreno, Jorge Abad

PA4464 Air sampling from PAP devices: Gone with the wind?
Olivia McGuiness (Camperdown (NSW), Australia), Sebastiana Van Hal, Collette Menadue, Susy Mathew, Rania Salama, Amanda Piper, Sheila Sivam

PA4465 Impact on symptomatic control and quality of life in patients with OSA and CPAP intolerance treated with mandibular advancement device after 5 years of follow-up.
Laura Lago Lagunas (Madrid, Spain), Edwin Yong Portugal, Eva Mañas Baena, Irene Cano Pumarega, Aldara Garcia Sánchez, Laura Pozueu Sánchez, Maria Parra Jarque, Alberto Carreño Alejandre, Sara González Castro, Winnifer Yarullis Briceño Franquis, Ana Victoria Castillo Durán, Ignacio Jara, Juan Manuel Velasco, Diego Ceballos Gómez-Barreda, Maria Angélica Yáñez Quintero

PA4466 Evaluation of a radar-based XeThru sensor to assess respiratory rate in suspected OSA
Matteo Bradicich (Zurich, Switzerland), Elisabeth Wilhelm, Alexander Breuss, Joël Julien Herzig, Fabian Alexander Grewe, Robert Rienner, Malcolm Kohler, Esther Irene Schwarz

PA4467 Screening moderate to severe obstructive sleep apnea with wearable device
James Tisyakorn (Pathum Thani, Thailand), Chatkarin Tepwimonpetkun, Tunlunat Sapankaew

PA4468 Effects of CPAP and its withdrawal on cardiovascular outcomes in patients with obstructive sleep apnoea - a two phase interventional trial
Joël Julien Herzig (Zurich, Switzerland), Michelle Mollet, Robin Mozolowski, Martina Meszaros, Lara Benning, Matteo Bradicich, Malcolm Kohler, Silvia Ulrich, Esther Irene Schwarz

PA4469 Neuromuscular electrical stimulation therapy and obstructive sleep apnoea hypopnoea syndrome – is it effective in the real world?
Sara Parsons (Surrey, United Kingdom), Charlotte Elson

PA4470 Investigating low-pressure AI-enabled PAP therapy without compromising AHI: a win for all OSA patients
Hamed Hanafi (Halifax (NS), Canada), Sarah Reeve, Brendan Brady, Meagan Sinclair, Thomas Penzel, Ingo Fietze, Reena Mehra, Debra Morrison

PA4471 Apnea index, aerobic capacity, and maximal respiratory pressures in untreated sleep apnea patients. Colombia
JOHN CASTILLO (PALMIRA, Colombia), Julián Andrés Rivera Motta, Mauricio Hernández Carrillo, Lina Marcela Orozco Mejía
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<td>PA4472</td>
<td>Enhancing Patient Stratification in Suspected Obstructive Sleep Apnea: Introducing a Novel Intelligent Decision Support System</td>
<td>Manuel Casal-Guisande (Vigo, Spain), Alberto Fernández-Villar, Mar Mosteiro-Añón, Almudena González-Montaos, María-José Muñoz-Martínez, Alberto Comesaña-Campos, María Torres-Durán</td>
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<td>PA4473</td>
<td>Diaphragm shortening and EMG activity during Continuous Positive Airway Pressure</td>
<td>WOOSURNG LEE (Chungju-si, Republic of Korea), Michael Ji, Paul A. Easton</td>
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<td>PA4474</td>
<td>Inspiratory mallampati: a novel extension of modified mallampati for enhanced airway assessment</td>
<td>Hind Eid (Beirut, Lebanon), Antoine El Kik, Albert Riachy, Farid Mallat, Nicolas Medawar, Thalía Ishaya Hanna, Kristy Braidy, Dalia Al Halabi, Joe Elío El Chaer, Karl Chammas, Sophie Riachy, Moussa Riachy</td>
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<td>PA4475</td>
<td>The usefulness of an intra-oral tongue stimulation device</td>
<td>Chieri Kuroki (Tokyo, Japan), Kasagi Satoshi, Yuka Kimura, Yasuhiro Tomita, Takatoshi Kasai</td>
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<td>PA4476</td>
<td>Streamlining Sleep Study Access: A Quality Improvement Initiative Utilizing Home Sleep Studies and Virtual Clinics</td>
<td>Aoife Bradley (Dublin, Ireland), Minesh Kooblall, Sean Garvey, Alphonso Kurian, Clioedhna Bardon, Eddie Moloney</td>
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<td>PA4477</td>
<td>Usage of adaptive servo-ventilation (ASV): results from the READ-ASV registry</td>
<td>Michael Arzt (Regensburg, Germany), Holger Woehrle, Raphael Heinzer, Oliver Munt, Jean-Louis Pépin, Adam Benjafied</td>
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<td>PA4478</td>
<td>Decoding the Night: A Machine Learning Approach to Predict the Severity of Obstructive Sleep Apnea through Clinical Parameters</td>
<td>Neslihan Özçelik (Rize, Turkey), Ali Erdem Özçelik, Emre Bendes</td>
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<td>PA4479</td>
<td>The impact of comorbid asthma on obstructive sleep apnoea outcomes</td>
<td>Afsan Bulbul (Manchester, United Kingdom), Neal Ramchander, Patrick Senior, Andras Bikov</td>
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<tr>
<td>PA4480</td>
<td>Late Breaking Abstract - Generating realistic flow limitation patterns using a closed-loop model controlling a mechanical valve</td>
<td>Mate Ferencz (Karlsruhe, Germany), Anna-Lena Dreixler</td>
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**PS-9 Session 415 08:00 - 09:30**

Poster session: Novel research data on asthma and chronic obstructive pulmonary disease management: clinical applications

- **Diseases**: Airway diseases
- **Methods**: General respiratory patient care, Epidemiology, Pulmonary function testing, Cell and molecular biology, Public health
- **Tags**: Translational
- **Chairs**: Charlotte Suppli Ulrik (Virum, Denmark), Efthymia Papadopoulou (Thessaloniki, Greece)

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<tr>
<td>PA4481</td>
<td>Dupilumab attenuates mannitol airway hyper-responsiveness in uncontrolled severe type 2 high asthma</td>
<td>Rory Chan (Glasgow, United Kingdom), Kirsten Stewart, Chris Kuo, Brian Lipworth</td>
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<td>PA4482</td>
<td>Effects of biologics in obese severe asthmatic patients</td>
<td>Marco Vanetti (TRAVEDONA MONATE, Italy), Francesco Ardesi, Sarah Grossi, Martina Zappa, Davide Aloisio, Rosella Centis, Patrizia Pignata, Antonio Spanevello, Dina Visca</td>
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<td>PA4484</td>
<td>Baseline characteristics of patients with asthma initiating dupilumab in a real-world setting: the RAPID registry</td>
<td>Njira Lugogo (Durham, United States), Anju T. Peters, Andreanne Cote, Ole Hilberg, Enrico Heffler, Xavier Muñoz, Ines Vinge, Adel H Mansur, Hiroyuki Nagase, Liyang Shao, Lauren Yarbrough, Lucia De Prado Gomez, Juby Jacob-Nara, Harry Sacks, Paul J Rowe, Yamo Deniz, Arnaud Bourdin</td>
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<td>PA4485</td>
<td>Sputum profile of patients on dupilumab.</td>
<td>Lynn Elsey (Hale, United Kingdom), Holly Montgomery, Gael Tavernier, Kathryn Prior</td>
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<td>PA4486</td>
<td>Phase I, single-dose study to compare pharmacokinetics of depemokimab delivered by safety syringe device or autoinjector in healthy adults</td>
<td>Stein Schalkwijk (London, United Kingdom), Jeff Min, Anusmita Sen, Sei Chi, Chiara Zecchin, Brian Spears</td>
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<td>PA4487</td>
<td>Severe asthma biologics use in England: a need to increase use and reduce inequity</td>
<td>Hitasha Rupani (Southampton, United Kingdom), Deepak Subramanian, Samantha Walker, Beverley Bostock</td>
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**Session 416**

08:30 - 10:00

**Endoscopy session: Session 1: Diagnostic updates from the bronchoscopy suite**

**Aims:** To introduce the latest advancements in diagnostic technologies in bronchoscopy by providing insights into recent developments in techniques, technologies and diagnostic strategies; to provide practical guidance for performance and implementation, covering topics such as robotic bronchoscopy for peripheral lung lesions, cryo-endobronchial ultrasound for mediastinal diseases, cryobiopsy for interstitial lung diseases and thoracoscopy for pleural diseases.

**Disease(s):** Thoracic oncology, Interstitial lung diseases

**Method(s):** Endoscopy and interventional pulmonology

**Tag(s):** Clinical

**Chairs:** Daniela Gompellmann (Vienna, Austria), Peter I. Bonta (Amsterdam, Netherlands)

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<tr>
<td>08:30</td>
<td>Introduction All Speakers</td>
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**PA4488 Optimizing severe asthma care by consulting an asthma expertise team for biologics**

Paulien Linders (deventer, Netherlands), Eline Eskes, Daphne Schaminee, Bart Hilvering, Els Weersink

**PA4489 APPLICATION OF “EXACTO” SCALE TO ASSESS ANNUAL RESPONSE TO MONOCLONAL ANTIBODIES IN PATIENTS WITH SEVERE UNCONTROLLED ASTHMA.**

Jesús Vázquez Dominguez (Villalba del Alcor, Spain), Juan Manuel Diez Piña, Patricia Montero Sanz, Andrea Vera Pila, Nuria Reyes Núñez, Javier Gallego Borrego

**PA4490 The Impact of Biological Therapies and the Significance of Their Adherence on Asthma Outcomes**

Riyad Omar Al-Lehebi (Riyadh, Saudi Arabia), Razan Kharraz, Ohowd Alrasheedi

**PA4491 APPaRENT 1 & 2 surveys: post-hoc analysis to assess predictors of asthma treatment adherence**

Giorgio Walter Canonica (Milano (MI), Italy), Christian Domingo, Kim Lavose, Amrit Kaliaesethi, Shireen Quli Khan, Anurita Majumdar, SOURABH FULMALI

**PA4492 Mepolizumab in patients with asthma and features of COPD: A MENSAMUSCA post hoc analysis**

Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Peter Howarth, Robert Chan, Shbing Yang, Stefanie Kolterer, Lingjiao Zhang, Geoffrey Chupp

**PA4493 The role of biological therapy with monoclonal antibodies in elderly patients with severe asthma**

Júlia Filipa Cunha Silva De Gouveia (Charneca de Caparica (Setúbal), Portugal), Margarida Gomes, Ana Craveiro, Sofia Ferreira, Ana Mendes

**PA4494 Risk of exacerbation and mortality in asthma – a 10-year retrospective financial database analysis**

András Sádi (Budapest, Hungary), Balázs Šanta, Gábor Tomisa, Alpár Horváth, Veronika Müller, Lilla Tamási, Noémi Eszes

**PA4495 High-dose inhaled corticosteroid use associated with increased cardiovascular risk in patients with asthma**


**PA4496 Asthma prescribing and reattendance in Emergency Care in a London District Hospital**

Elspe Cathruthers (London, United Kingdom), Nitika Kaushal, Rosemary Clarke, Camilla Roberts, Andrew Singer

**PA4497 Computed cardiopulmonography: Effects of salbutamol in healthy individuals versus patients with asthma**

Asma Alamoudi (oxford, United Kingdom), Thomas Grills, Haopeng Xu, Haopeng Xu, Nicholas M.J. Smith, Lorenzo S. Petralia, Dominic Sandhu, Graham Richmond, Tishan WellaLaLagodage, Jessica Luiz, Nick P. Talbot, Grant A.D. Ritchie, Ian D. Pavorod, Nayia Petouisi, Peter A. Robbins

**PA4498 The adherence in the NEWTON population: a preliminary assessment**

Fulvio Braido (Genova, Italy), Kai-Michael Beeh, Cristiano Caruso, Carolina Cisneros, Anh-Tuan Dinh Xuan, Lilla Tamási, Eleonora Ingrassia, Marielle Van Der Deijl, Luca Cavaliere, Alessio Piraino

**PA4499 Asthma control improves in Austrian severe asthma patients.**

Andreas Renner (Wien, Austria), Slagjana Stoshikj, Wolfgang Pohl, Christina Bal, Judith Löffler-Ragg, Matthias Reisinger, Roland Buhl, Eckard Hamelmann, Christian Taube, Stephanie Korn, Marco Idzko

**PA4500 NEWTON study: an interim assessment on asthma control in Europe**

Fulvio Braido (Genova, Italy), Kai-Michael Beeh, Carolina Cisneros, Cristiano Caruso, Anh-Tuan Dinh Xuan, Lilla Tamási, Eleonora Ingrassia, Marielle Van Der Deijl, Luca Cavaliere, Alessio Piraino
### Session 417
**Hot topics: Hot topics in pulmonary hypertension**

**Conclusions and controversies at the 7th World Symposium on Pulmonary Hypertension**

- **Aims:** To list the main points of progress that were made at the 7th World Symposium on Pulmonary Hypertension (WSPH7; Barcelona, 29 June to 1 July, 2024) compared with the 2022 European Respiratory Society/European Society of Cardiology guidelines; to identify knowledge gaps and areas of controversy that remained unresolved at the WSPH7.

- **Disease(s):** Pulmonary vascular diseases
- **Method(s):** Cell and molecular biology
- **Tag(s):** Clinical, Translational
- **Target audience:** Adult pulmonologist/Clinician, Clinical researcher, Patient, Physician in Pulmonary Training, Scientist (basic, translational)

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<tr>
<td>08:30</td>
<td>Pathobiology and genetics of pulmonary hypertension</td>
<td>Andrea Olschewski (Graz, Austria)</td>
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<tr>
<td>08:45</td>
<td>Definition, classification and diagnosis of pulmonary hypertension</td>
<td>Sonja Bartolome (Dallas, United States)</td>
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<td>09:00</td>
<td>Pulmonary hypertension treatment algorithm and pipeline</td>
<td>Olivier Sitbon (Le Kremlin-Bicêtre, France)</td>
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<tr>
<td>09:15</td>
<td>The right ventricle in pulmonary hypertension: a future treatment target?</td>
<td>Anton Vonk Noordegraaf (Amsterdam, Netherlands)</td>
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<tr>
<td>09:30</td>
<td>Patient perspectives in pulmonary hypertension</td>
<td>Pisana Ferrari (Udine, Italy)</td>
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<td>09:35</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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### Session 418
**Symposium: Neglected aspects in the care of patients with sarcoidosis**

- **Aims:** To discuss an extremely multifaceted pathology of sarcoidosis and required significant clinical diagnostic effort to fully manage the disease.

- **Disease(s):** Interstitial lung diseases, Sleep and breathing disorders
- **Method(s):** Public health
- **Tag(s):** Clinical
- **Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Respiratory physiotherapist

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<tr>
<td>08:30</td>
<td>The impact of patient associations on daily practice</td>
<td>Filippo Martone (Bologna (BO), Italy)</td>
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<tr>
<td>08:35</td>
<td>Obstructive sleep apnoea and sarcoidosis: an underestimated comorbidity</td>
<td>Elisabetta Renzoni (London, United Kingdom)</td>
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### C6  Session 419  08:30 - 10:00

**State of the art session: Respiratory critical care**

**Acute respiratory distress syndrome**

**Aims**: To provide a broad overview of acute respiratory distress syndrome (ARDS).

**Disease(s)**: Respiratory critical care

**Method(s)**: Respiratory intensive care

**Tag(s)**: Clinical

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

**Chairs**: Ignacio Martin-Loeches (Dublin, Ireland), Ana Cysneiros (Lisboa, Portugal), Sophia E. Schiza (Heraklion, Greece)

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<tr>
<td>08:30</td>
<td>Pathophysiology and phenotyping of acute respiratory distress syndrome: an update</td>
<td>Lieuwe D.J. Bos (Amsterdam, Netherlands)</td>
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<td>08:45</td>
<td>High-flow oxygen and non-invasive ventilation in acute respiratory failure: still don't push too hard?</td>
<td>Nicholas Hart (London, United Kingdom)</td>
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<td>09:00</td>
<td>From respiratory mechanics to the invasive setting of mechanical ventilation</td>
<td>Lise Piquilloud (Lausanne, Switzerland)</td>
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<td>09:15</td>
<td>ECMO and ECCO2R in acute respiratory distress syndrome: standard of care?</td>
<td>Christian Karagiannidis (Cologne, Germany)</td>
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<tr>
<td>09:30</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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### A2  Session 420  08:30 - 10:00

**Symposium: Behaviour change and self-management in chronic respiratory disease**

**Aims**: To explain how to address the psychosocial aspects of care, mitigate social dimensions, assess patients' readiness for change and harness novel approaches to enhance self-management in individuals with chronic respiratory conditions; to help participants identify the holistic needs of individuals with chronic respiratory conditions, promote effective self-management and improve quality of life.

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

**Method(s)**: General respiratory patient care, Palliative care, Pulmonary rehabilitation

**Tag(s)**: Clinical

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

**Chairs**: Rachael A. Evans (Leicester (Leicestershire), United Kingdom), Heleen Demeyer (Leuven, Belgium), Andreas Von Leupoldt (Leuven, Belgium)

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<td>08:30</td>
<td>Psychosocial care wears multiple hats: which one may best suit?</td>
<td>Francesco Pagnini (Milan, Italy)</td>
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<td>08:45</td>
<td>Social dimensions of self-management: the impact of stigma-related emotions and social isolation</td>
<td>Sara Lundell (Umea, Sweden)</td>
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<td>4525</td>
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<tr>
<td>09:00</td>
<td>From thought to action: assessing stages of change in patients with chronic respiratory disease</td>
<td>Ingeborg Farver-Vestergaard (Vejle, Denmark)</td>
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### C3 Session 421 08:30 - 10:00

**Symposium: The value of in vitro diagnostic tests to reduce antimicrobial resistance and to improve patient outcomes**

**Results from the European Value-Dx project**

**Disease(s):** Respiratory infections

**Tag(s):** Clinical

**Target audience:** Adult pulmonologist/Clinician

**Chairs:** Herman Goossens (Edegem (Antwerp), Belgium), Chiara Premuda (Milano, Italy), Onno Akkerman (Groningen, Netherlands)

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<tr>
<td>08:30</td>
<td>Enhancing antibiotic prescription quality in paediatric emergency rooms: results from the ADEQUATE trial</td>
<td>Julia Bielicki (London, United Kingdom)</td>
</tr>
<tr>
<td>08:45</td>
<td>Point-of-care testing to reduce antibiotic use in primary care: results from the PRUDENCE trial</td>
<td>Emma Harper (Oxford, United Kingdom)</td>
</tr>
<tr>
<td>09:00</td>
<td>Economic impact of different diagnostic strategies in respiratory infection</td>
<td>Maarten Postma (Groningen, Netherlands)</td>
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<tr>
<td>09:15</td>
<td>Integrating recommendations and stakeholder perspectives in the implementation of new diagnostics for respiratory infections</td>
<td>Melanie Hoste (Antwerpen, Belgium)</td>
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<tr>
<td>09:30</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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### Studio Session 422 09:00 - 09:15

**News from the studio: News from the studio 3**

**Aims:** To introduce and summarise the congress programme for a day.

**Chairs:** Monika Gappa (Düsseldorf, Germany), Jonathan Grigg (London, United Kingdom)

### C1 Session 424 09:15 - 10:00

**Guidelines session: Treatment of pulmonary chronic graft-versus-host disease in adults**

**ERS/EBMT clinical practice guideline**

**Aims:** To provide evidence-based recommendations for the treatment of adults (aged ≥ 18 years) with lung chronic graft-versus-host disease phenotype bronchiolitis obliterans syndrome.

**Disease(s):** Airway diseases

**Method(s):** General respiratory patient care, Transplantation

**Tag(s):** Clinical

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

**Chairs:** Federica Meloni (Pavia (PV), Italy), Dragos Bumbacea (Bucuresti, Romania), Dorina Rama Esendagli (Ankara, Turkey)

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<tr>
<th>Time</th>
<th>Presentation</th>
<th>Speakers</th>
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<tr>
<td>09:15</td>
<td>Patient's perspective</td>
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<tr>
<td>09:20</td>
<td>Pulmonary cGvHD: what's up?</td>
<td>Danana Stolz (Freiburg, Germany)</td>
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<tr>
<td>09:35</td>
<td>Pulmonary cGvHD: guidelines on treatment</td>
<td>Saskia Bos (Newcastle upon Tyne, United Kingdom)</td>
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<tr>
<td>09:50</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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</table>
Pro-Con debate: Is single maintenance and reliever therapy really smart in children aged 6 years and older with asthma?

Aims: Single maintenance and reliever therapy (SMART) has recently been extended to children aged 6 years and older and is recommended by various therapy guidelines for children at GINA levels 3 and 4. Although the SMART approach has great potential because it is easier for parents and patients and there are data showing it has less potential to retard growth, there are few data from controlled studies to support this approach in younger children. To discuss the advantages and disadvantages of the single maintenance and reliever therapy (SMART) regimen in children; to explain the limitations; to describe which children the SMART approach may be suitable for.

Disease(s): Paediatric respiratory diseases
Method(s): General respiratory patient care
Tag(s): Clinical
Target audience: Adult pulmonologist/Clinician, General practitioner, Medical Student, Nurse, Paediatrician, Patient, Physician in Pulmonary Training, Respiratory physiotherapist

Chairs: Monika Gappa (Düsseldorf, Germany), Jonathan Grigg (London, United Kingdom)

09:20 PRO: SMART should be the preferred therapy option in children with asthma aged 6 years and above - because its so smart
Louise Fleming (London, United Kingdom)

09:35 CON: (S)MART is not so smart in young children. Where is the clinical evidence and for whom?
Alexander Möller (Zürich, Switzerland)

09:50 Discussion and Q&A
All Speakers

Oral presentation: The regenerative potential of stem cells in lung diseases

Disease(s): Interstitial lung diseases, Thoracic oncology, Airway diseases, Respiratory critical care
Method(s): Cell and molecular biology, Endoscopy and interventional pulmonology, Surgery
Tag(s): Basic science, Translational

Chairs: Niki L. Reynaert (Maastricht, Netherlands), Sara Rolandsson Enes (Lund, Sweden)

OA4542 Late Breaking Abstract - Engraftment of autologous airway epithelial cells in the rabbit trachea
Robert E. Hynds (London, United Kingdom), Elizabeth F. Maughan, Chun Hang Lau, Lei Wu, Dong Zhang, Maral Rouhani, Liam Sutton, Martin A. Birchall, Richard Hewitt, Sam M. Janes, Jessica Weedon, Colin R. Butler, Wenhui Song

OA4543 The hyper-inflammatory SARS-CoV-2-induced ARDS patient micro-environment licenses MSCs and enhances their therapeutic efficacy in a model of acute lung injury
Courtney Tunstead (Kildare, Ireland), Evelina Volkova, Hazel Dunbar, Ian Hawthorne, Alison Bell, Ritu Negi, Bairbre McNicholas, Claudia C. Dos Santos, John G. Laffey, Karen English

OA4544 Cytokine preconditioning enhances the therapeutic potential of MSCs in ARDS
Lanzhi Liu (Galway, Ireland), Juan Fandino, Claire Masterson, John Laffey, Daniel O’Tooke

OA4545 Lung extracellular matrix hydrogels promote the secretion of mesenchymal stromal cells-derived exosomes
Alicia Jurado (Barcelona, Spain), Anna Ulldemolins, Jordi Otero, Ramon Farré, Albert Lu, Isaac Almendros

OA4546 Phase I clinical trial on pleural mesothelioma using neoadjuvant local administration of paclitaxel loaded mesenchymal stromal cells (PACLIMES trial): rationale and study design
Giulia Maria Stella (Pavia (PV), Italy), Daniela Lisini, Patrizia Comoli, Francesco Agustoni, Giulia Galli, Chandra Bortolotto, Giulio Melloni, Gioacchino D’Ambrosio, Catherine Klersy, Augusto Pessina, Paolo Pedrazzoli, Angelo G. Corsico

OA4547 Autologous transplantation of P63+ lung progenitor cells (REGEND001) for idiopathic pulmonary fibrosis therapy: phase I clinical trial
Wei Zuo (Shanghai, China), Ting Zhang, Shiyu Zhang, Yu Zhao

OA4548 Aging affects reprogramming of pulmonary capillary endothelial cells after lung injury
Bernard Mari (Valbonne, France), Marin Truchi, Grégoire Savary, Marine Gautier-Isola, Hugo Cadis, Arun Lingampally, Virginie Magnone, Clémentine De Schutter, Paul Holman, Andreas Gunther, Pascal Barbry, Sylvie Leroy, Kevin Lebrigand, Nicolas Ricard, Saverio Belluscio, Christelle Cauffiez, Georges Vassaux, Nicolas Pottier
Benefits of bronchial epithelial repair by iPSCs in COPD
Marion Nadaud (Montpellier, France), Carine Bourdais, Aurélie Fort-Petit, Engi Ahmed, Kheira Hireche, Isabelle Vachier, John De Vos, Arnaud Bourdin

An RNA Editing Approach for the Treatment of Alpha-1 Antitrypsin Deficiency (AATD)
Prashant Monian (Cambridge, United States), Cynthia Caracta, Chikdu Shivalila, Genliang Lu, Keith Bowman, Michael Byrne, Lanyie Xie, Jigar Desai, Anamitra Ghosh, Tomomi Kawamoto, Pachamuthu Kandasamy, Anthony Lamattina, Fangjuan Liu, Ik-Hyeon Paik, Jeannette Rheinhardt, Mamoru Shimizu, Kuldeep Singh, Hailin Yang, Padma Narayanan, Xiao Shelley Hu, Paloma Giangrande, Chandra Vargeese

OA4552 Discussion and Q&A
All Speakers
Oral presentation: Best abstracts in clinical problems

Disease(s): Pulmonary vascular diseases, Airway diseases, Interstitial lung disease
Method(s): Imaging, General respiratory patient care, Epidemiology, Pulmonary function testing, Endoscopy and interventional pulmonology
Tag(s): Clinical

Chairs: Georgios Kaltsakas (Athens, Greece), Shailesh Balasaheb Kolekar (Herlev, Denmark)

Late Breaking Abstract - Promptly escalating to budesonide/glycopyrronium/formoterol from dual therapy reduces exacerbations and cardiopulmonary events in patients with COPD (MITOS EROS+CP study)
Hana Müllerová (Cambridge, United Kingdom), Joseph Tkacz, Jill Schinkel, Barnabie Agatep, Edward Portillo, Hayley Germack, Michael Crooks, Charlie Strange, Jonathan Marshall, Michael Pollack

OA4564

Machine learning for predicting extubation success: secondary analysis of the COBRE-US study
Fabio Andrés Varón Vega (Bogotá, Colombia), Adriana Maldonado-Francisco, Eduardo Tuta-Quintero, Luis Fernando Giraldo-Cadavid, Daniel Botero-Rosas

Long-term oxygen therapy 24 or 15 hours/day and outcomes: a multicenter, registry-based, randomized, clinical trial.
Josefín Sundh (Örebro, Sweden), Magnus Ekström, Anders Andersson, Savvas Papadopoulos, Taivo Kipper, Bo Pedersen, Ozren Kricka, Pierre Sobrino, Michael Runold, Andreas Palm, Anders Blomberg, Ranjö Hamed, Eva Lindberg, Hans Zingmark, Mats Lagerstedt, Björn Sundberg, Ghadeer Thabet, Nermin Hadziosmanovic, Christer Janson, Christine Mcdonald, David Curow

OA4566

Outcomes of Targeted Lung Denervation in COPD in AIRFLOW-2 compared to AIRFLOW-3 open-label cohort.

OA4567

Comparative analysis and clinical application of imaging methods for diagnosis of pulmonary embolism
Sevda Naydenska (Sofia, Bulgaria), Konstantin Grudkov, Bilyana Stancheva, Radoslav Bilyukov, Ognyan Georgiev, Ventsislava Pencheva

OA4568

Predictive score for in-hospital mortality in patients with severe AECOPD
yanlu Hu (Beijing, China), Yanfei Guo

Peripheral blood NMLR can predict 5-year all-cause mortality in patients with chronic obstructive pulmonary disease
Ming Zhang (Xi'an, China), Yuer Li, Jie Zhang

OA4570

Proteins associated with preserved ratio impaired spirometry (PRISm)
Eva Lindberg (Uppsala, Sweden)

OA4571

The airways fungal microbiota and risk for coronary heart disease in COPD patients and healthy controls
Christina Due Svendsen (Bergen, Norway), Rune Nielsen, Kris Ostridge, Karin Enarsson Ringqvist, Xiao-Hong Zhou, Engin L, Caroline A. Owen, Bernadette Gochuico, Gunilla Wall, David Steel, Ellinor Hornberg

OA4572

Novel oral PORCN inhibitor does not alter the PK of nintedanib, an approved therapy for idiopathic pulmonary fibrosis
Susanne Prothon (MÖLNDAL, Sweden), Ann Aurell Holmberg, Pradeep Sharma, Joachim Almqvist, Sandra Grañana Castillo, Szilárd Nemes, Richard Baldry, Maciej Sosnowski, Karin Enarsson Ringqvist, Xiao-Hong Zhou, Engin L, Caroline A. Owen, Bernadette Gochuico, Gunilla Wall, David Steel, Ellinor Hornberg

OA4573

Discussion and Q&A
All Speakers

Oral presentation: Clinical outcomes and translational aspects in severe asthma

Disease(s): Airway diseases, Respiratory critical care
Method(s): Cell and molecular biology, Pulmonary function testing, Epidemiology, Public health, Physiology, Pulmonary rehabilitation
Tag(s): Clinical

Chairs: Fabio L. M. Ricciardolo (Torino, Italy), Freda Yang (London, United Kingdom)

The airways fungal microbiota and risk for coronary heart disease in COPD patients and healthy controls
Christina Due Svendsen (Bergen, Norway), Rune Nielsen, Kris Ostridge, Karin Enarsson Ringqvist, Xiao-Hong Zhou, Engin L, Caroline A. Owen, Bernadette Gochuico, Gunilla Wall, David Steel, Ellinor Hornberg

OA4572

Discussion and Q&A
All Speakers
Late Breaking Abstract - Proteome profiling of plasma reveals biomarkers of COPD associated pulmonary hypertension
Xuefei Liu (Shanghai, China), Yanting Zhou, Simin Xie, Jingwen Huang, Ze Zhang, Qianqian Zhao, Jiaxin Tian, Qiurui Zhang, Hejie Song, Lin Huang, Yi Guo, Tong Yin, Min Zhou

The patient health-related quality of life (HRQoL) burden of severe asthma in Europe (SHARP CRC) for specific subgroups

Remission could be predicted by pRmutant markers in severe asthma after therapy targeting anti interleukin-5 receptor
Catherine Moermans (Liège, Belgium), Nicolas Decerf, Monique Henket, Virginie Paulus, Françoise Guissard, Julien Guiot, Renaud Louis, Schleich Florence

Fixed-dose fluticasone propionate/salmeterol (FP/SAL) and budesonide/formoterol (BUD/FOR) comparative effectiveness in moderate–severe asthma: US database analysis
Mohamed Hamouda (Dubai, United Arab Emirates), Nicola Hanania, Richard Stanford, Adrian Rendon, Bilun Gemicioglu, Leandro Fritscher, Watchara Boonsawat, Shireen Quili Khan

Remission could be predicted by sputum markers in severe asthma after therapy targeting anti interleukin-5 receptor
Catherine Moermans (Liège, Belgium), Nicolas Decerf, Monique Henket, Virginie Paulus, Françoise Guissard, Julien Guiot, Renaud Louis, Schleich Florence

Fixed-dose fluticasone propionate/salmeterol (FP/SAL) and budesonide/formoterol (BUD/FOR) comparative effectiveness in moderate–severe asthma: US database analysis
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Towards a paradigm shift in Severe Asthma Management: deep analysis of the effect of submaximal Aerobic training (SAMBA)
Florence Schleich (Liège, Belgium), Sébastien Louis, Stéphanie Ziant, Jean-François Kaux, Renaud Louis, Thierry Bury

Are circulating CC10 levels and gene G38A polymorphism associated with subsequent asthma outcomes in patients with moderate-to-severe asthma?
Aïda Diop (Montpellier, France), Engi Ahmed, Anne-Sophie Gamez, Isabelle Vachier, Patrick Berger, Camille Taille, Pascal Chanez, François- Xavier Blanc, Cecile Chenivesse, Fanchon Hermann, Nicolas Molinari, Arnaud Bourdin, Jeremy Charriot, - On behalf of Cobra study group

A Three-Year Review of Benralizumab Therapy: Long-Term Control of Eosinophilic Asthma and Associated Risks
Nimrod Laszló (Targu Mures, Romania), Cristina-Alexandra Man, Gabriela Jimborean, Corina Marginean

Rate of admission and readmission to the ED among patients with severe asthma
Irvin Mayers (Edmonton (AB), Canada), Arsh K. Randhawa, Christina Qian, Mina Khezrian, Soram Patel, Karissa Johnston, Pramoda Jayasinghe, Lavanya Huria, Mohit Bhutani

Discussion and Q&A
All Speakers
Comparison of lung function, functional capacity and performance status after lung transplantation with and without EVLP: a retrospective pilot study

Anouk van t Veer (‘s-Gravendeel, Netherlands), Monique Wapenaar, Ton Provily, Maartje Horstman, Merel Hellemons, Leonard Seghers

The sensitivity of different lung function metrics to detect airways disease

Laurie Smith (Sheffield (South Yorkshire), United Kingdom), Helen Marshall, Demi Jakymelen, Alberto Biancardi, Guilhem Collier, Ho-Fung Chan, Paul Hughes, Martin Brook, Josh Astley, Ryan Munro, Smitha Rajaram, Andy Swift, David Capener, Jody Bray, Jimmy Ball, Oliver Rodgers, Bilal Tahir, Madhweshaa Rao, Graham Norquay, Nick Weatherley, Leanne Armstrong, Latife Hardaker, Rod Hughes, Jim Wild

Detection of Idiopathic Pulmonary Fibrosis Disease Progression using Respiratory Oscillometry

Joyce Wu (Toronto, Canada), Yushu Zou, Jessica Jia-Ni Xu, Cynthia Nohra, Matthew Binnie, Shane Shapera, Jolene H. Fisher, Micheal Mcinnis, Clodagh M. Ryan, Zoltán Hantos, Chung-Wai Chow

A physiologist-led home spirometry assessment (PLHSA) facilitates respiratory diagnosis and treatment pathways

Megan Robshaw (Gloucester, United Kingdom), Emma Raywood, Helen Parrott

Deposition and distribution of radiolabeled aerosol in individuals post COVID-19 infection

Armele Dornelas De Andrade (Recife (PE), Brazil), Jose Carlos Nobrega Junior, Daiara Xavier, Roberta Cristiane Torres, Simone Cristina Soares Brandão, Magno Formiga, Cyda Reinaux, Daniella Brandão, Shirley Campos, Anna Myrna Jaguaribe De Lima

The outcomes from introducing continuous laryngoscopy during exertion (CLE) to an exertional dyspnoea cardiopulmonary exercise testing (CPET) service.

Maximillian Thomas (Birmingham, United Kingdom), Samuel Wallbanks, Nicola Pargeter, Andy Johnston, Adel H Mansur

Aims: To focus on optical coherence tomography, confocal laser endomicroscopy, cone beam navigation bronchoscopy and contrast-enhanced ultrasound in order to provide insights into the application and benefits of these imaging innovations; to offer practical guidance for their utilisation in bronchoscopy procedures.

Disease(s): Thoracic oncology

Method(s): Endoscopy and interventional pulmonology

Tag(s): Clinical

Chairs: Felix J.F. Herth (Heidelberg, Germany), Amanda Dandanell Juul (Odense S, Denmark)

10:15 Introduction
All Speakers

10:20 Optical coherence tomography
Speaker to be confirmed

10:35 Confocal laser endomicroscopy
Jouke T. Annema (Amsterdam, Netherlands)

10:50 Cone beam navigation bronchoscopy
Erik H.F.M. van der Heijden (Nijmegen, Netherlands)

11:05 Contrast enhanced ultrasound
Christian B. Laursen (Odense M, Denmark)

11:20 Discussion and Q&A
All Speakers

Hot topics: The transforming growth factor-β superfamily: a treatment target in pulmonary arterial hypertension
Aims: To explain the transforming growth factor (TGF)-β/bone morphogenetic protein proliferative/apoptotic signalling pathway in pulmonary arterial hypertension (PAH); to describe the current drug development stage including the different monoclonal antibodies targeting the TGF-β signalling pathway; to demonstrate the use of molecules belonging to the TGF-β signalling pathway as prognostic biomarkers in PAH; to present the results of recent clinical trials using monoclonal antibodies targeting TGF-β signalling in PAH and the future treatment algorithm using monoclonal antibodies.

Disease(s): Pulmonary vascular diseases

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

Tag(s): Translational

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

Chairs: Marc Humbert (Le Kremlin-Bicêtre, France), Vallerie V. McLaughlin (Ann Arbor, United States), Gabor Kovacs (Graz, Austria)

10:15 Understanding the role of the TGF-beta superfamily in the pulmonary circulation.
Paul Yu (Boston, United States) 4603

10:30 Germline mutations of genes encoding for the TGF-beta superfamily in PAH
Christina A. Eichstaedt (Heidelberg, Germany) 4604

10:45 Circulating biomarkers in severe PAH
Laurent Savale (Le Kremlin-Bicêtre, France) 4605

11:00 Targeting TGF-beta superfamily in PAH
Ioana R Preston (Boston, United States) 4606

11:15 Discussion and Q&A
All Speakers 4607

C5 Session 434 10:15 - 11:45

Symposium: Why is idiopathic pulmonary fibrosis not so idiopathic?
Prevention of occupational and environmental hazards and protection of vulnerable individuals with idiopathic pulmonary fibrosis

Aims: To present existing data about the risk factors for IPF that are preventable; to explain how prevention of occupational and environmental exposures and protection of vulnerable individuals can help idiopathic pulmonary fibrosis (IPF) management; to discuss how both treatment and prevention may extend the lifespan and improve the quality of life of people with IPF.

Disease(s): Interstitial lung diseases

Method(s): Epidemiology Public health

Tag(s): Clinical, Translational, Congress theme: Humans and Machines: getting the balance right

Target audience: Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Patient

Chairs: Rafael E. de la Hoz (New York, United States), Michael Kreuter (Mainz, Germany), Orianne Dumas (Villejuif, France)

10:15 Idiopathic pulmonary fibrosis: an overview
Gisli Jenkins (London, United Kingdom) 4608

10:30 Progressive pulmonary fibrosis: insights from expert group statements
Vincent Cottin (Lyon, France) 4609

10:45 Occupation counts in idiopathic pulmonary fibrosis
Sara De Matteis (Milan, Italy) 4610

11:00 Air pollution, poverty and much more
Isabella Annesi Maesano (Montpellier, France) 4611

11:15 Which prevention is useful? The latest news for the idiopathic pulmonary fibrosis community: the patient’s perspective
John Solheim (Sætre, Norway) 4612

11:20 Discussion and Q&A
All Speakers 4613

C1 Session 435 10:15 - 11:45

Symposium: The changing landscape of lung transplantation
This symposium aims to focus on recent changes in the profile of lung transplant candidates and evolution of post-transplant treatment strategies
Aims: To analyse recent evolution of the landscape of lung transplant referral (change in the phenotype of “usual” indications such as cystic fibrosis and idiopathic lung disease due to recent therapeutic improvement, increased referral of older chronic obstructive pulmonary disease patients who have previously undergone lung volume reduction surgery, increased number of comorbid candidates and increased requests for extracorporeal support bridges); to address existing immunosuppressive and future promising strategies for acute and chronic rejection, including cell-based therapies; to address translational issue by analysing new cellular and molecular assays available to help diagnose immune complications (acute and chronic rejection and chronic lung allograft dysfunction phenotyping).

Disease(s): Thoracic oncology

Method(s): Surgery  Transplantation

Tag(s): Clinical, Translational

Target audience: Adult pulmonologist/Clinician, Clinical researcher, Pathologist, Scientist (basic, translational), Thoracic surgeon

Chairs: Federica Meloni (Pavia (PV), Italy), Dragos Bumbacea (Bucuresti, Romania), Dorina Rama Esendagli (Ankara, Turkey)

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### Session 436  10:15 - 11:45

**Clinical cases: Lungs on fire: respiratory critical care/sleep and breathing disorders**

**Aims:** to present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

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

**Tag(s):** Clinical

**Chairs:** Ignacio Martin-Loeches (Dublin, Ireland), Ana Cysneiros (Lisboa, Portugal), Sophia E. Schiza (Heraklion, Greece)

**Discussants:** Claudia Crimi (Catania (CT), Italy), Christoph Fisser (Regensburg, Germany)

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<th>Speaker(s)</th>
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<tbody>
<tr>
<td>10:15</td>
<td>Patient's perspective</td>
<td>Merel Hellemons (Rotterdam, Netherlands)</td>
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<tr>
<td>10:20</td>
<td>The change in phenotype of lung transplant recipients</td>
<td>Merel Hellemons (Rotterdam, Netherlands)</td>
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<tr>
<td>10:35</td>
<td>Innovative diagnostic approach for diagnosis and phenotyping of post-transplant complications</td>
<td>bart vanaudenaerde (Leuven, Belgium)</td>
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<tr>
<td>10:50</td>
<td>Immunosuppressants and beyond: new strategies and tailored treatment</td>
<td>Peter Jaksch (wien, Austria)</td>
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<td>11:05</td>
<td>Is there still room for cell-based therapies?</td>
<td>Edward Geissler (Regensburg, Germany)</td>
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<td>11:20</td>
<td>Discussion and Q&amp;A</td>
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### Session 437  10:15 - 11:45

**Mini symposium: The physiology and psychology of complex breathlessness**

**Aims:** To address the complexity of breathlessness; to illustrate how pulmonary function testing and pulmonary rehabilitation could help clinicians treat patients with complex breathlessness; to highlight the psychological aspect/trigger that could significantly impact the treatment of patients with complex breathlessness; to present gender differences in the presented topics.

**Disease(s):**

**Tag(s):**

**Chairs:**

**Discussants:**

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<tr>
<td>10:15</td>
<td>Case 1 incl. panel discussion and Q&amp;A - Submitter: D. Jennings (United Kingdom)</td>
<td>Claudia Crimi (Catania (CT), Italy)</td>
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<tr>
<td>10:37</td>
<td>Case 2 incl. panel discussion and Q&amp;A - Submitter: S. Wickramasinghe (Sri Lanka)</td>
<td>Christoph Fisser (Regensburg, Germany)</td>
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<tr>
<td>10:59</td>
<td>Case 3 incl. panel discussion and Q&amp;A - Submitter: I. Paranicova (Slovakia)</td>
<td>Claudia Crimi (Catania (CT), Italy)</td>
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<tr>
<td>11:21</td>
<td>Case 4 incl. panel discussion and Q&amp;A - Submitter: P. Pujal Montaña (Spain)</td>
<td>Christoph Fisser (Regensburg, Germany)</td>
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### Session 438: Symposium: Rethinking (post) tuberculosis prevention and care in the face of major adversities

**Aims:** To explain the challenges of managing tuberculosis (TB) in complex situations; to describe the role of artificial intelligence in TB prevention and care; to describe the challenges and solutions for TB prevention and care in complex situations or times of adversity; to describe the challenges and solutions for post-TB lung disease prevention and care in complex situations or times of adversity.

**Disease(s):** Respiratory infections

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

**Tag(s):** Clinical  Congress theme: Humans and Machines: getting the balance right

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

**Chairs:** Herman Goossens (Edegem (Antwerp), Belgium), Chiara Premuda (Milano, Italy), Onno Akkerman (Groningen, Netherlands)

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<th>Time</th>
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<th>Speaker/Institution</th>
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<tbody>
<tr>
<td>10:15</td>
<td><strong>Managing tuberculosis in complex situations</strong></td>
<td>Cécile Magis-Escurra (Nijmegen, Netherlands)</td>
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<tr>
<td>10:30</td>
<td><strong>Innovations in tuberculosis prevention and care: artificial intelligence and beyond</strong></td>
<td>Speaker to be confirmed</td>
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<tr>
<td>10:45</td>
<td><strong>Tuberculosis prevention and care in times of adversity</strong></td>
<td>Dennis Falzon (Genève, Switzerland)</td>
</tr>
<tr>
<td>11:00</td>
<td><strong>Post-tuberculosis lung disease in times of adversity and beyond</strong></td>
<td>Marcela Veronica Muñoz Torrico (México D.F, Mexico)</td>
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<tr>
<td>11:15</td>
<td><strong>Discussion and Q&amp;A</strong></td>
<td>All Speakers</td>
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### 10:30-11:15: INDUSTRY SKILLS LAB WORKSHOP

**Deep Dive: Vaccination: optimising access and uptake**

**Aims:** To discuss the implementation of vaccination strategies against respiratory infections, including a focus on patients with chronic respiratory diseases.

**Tag(s):** Clinical

**Chairs:** Hilary Pinnock (Edinburgh, United Kingdom), Marielle W.H. Pijnenburg (Rotterdam, Netherlands)

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<tr>
<td>10:30</td>
<td><strong>Vaccinations to prevent respiratory infections in chronic respiratory patients</strong></td>
<td>Francesco Blasi (Milan, Italy)</td>
</tr>
<tr>
<td>10:50</td>
<td><strong>Panel discussion and Q&amp;A</strong></td>
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Skills workshop: SW14 Practical Pulmonary Hypertension - €

Aims: Develop a systematic approach to interpretation of radiological investigations (with a focus on CT) in patients with suspected PH. Gain practical experience in performing and interpreting echocardiography in patients with PH. Develop knowledge and understanding of pathological changes associated with PH. Develop skills in integrating clinical, radiological and right heart catheter data to enable the correct diagnosis in patients with suspected PH to be made.

Disease(s): Pulmonary vascular diseases

Chairs: Anton Vonk Noordegraaf (Amsterdam, Netherlands)

10:40 Radiological assessment of pulmonary hypertension
Lilian Meijboom (Amsterdam, Netherlands) 4640

10:40 Pathological assessment of pulmonary hypertension
Peter Dorfmüller (Giessen, Germany) 4641

10:40 Echocardiography in pulmonary hypertension
Marielle van de Veerdonk (Amsterdam, Netherlands), Abdul Hameed (Sheffield (South Yorkshire), United Kingdom) 4642

10:40 Clinical assessment of pulmonary hypertension
Anton Vonk Noordegraaf (Amsterdam, Netherlands), Robin Condliffe (Sheffield (South Yorkshire), United Kingdom) 4643

Oral presentation: Clinical and functional aspects in chronic obstructive pulmonary disease

Disease(s): Airway diseases

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

Tag(s): Clinical

Chairs: Fabio L. M. Ricciardolo (Torino, Italy), Mona Bafadhel (London, United Kingdom)

OA4644 Late Breaking Abstract - Single and multiple N2-washout tests for the diagnosis of bronchiolitis obliterans syndrome after allogeneic stem cell transplantation – a longitudinal study
Daiana Stolz (Freiburg, Germany), Vera D. Sollberger, Joerg Halter, B Drexler, R Mathew, Christian Arranto, Werner Strobel, Nora Brasher, Eleni Papakonstantinou, Philipp Latzin, Michael Tamm, Leticia Grize, Daiana Stolz

OA4645 Airspace Dimension Assessment for early detection of lung health in adults born with extremely low birth weight
Guilhon Cai (Uppsala, Sweden), Barbro Diderholm, Andrei Malinovschi, Ourania Vasilietadou, Linda Wallström, Össur Emilsson, Magnus Svartengren

OA4646 Protemic predictors of mortality in stable COPD

OA4647 Validation of exacerbation history grading by GOLD for predicting future COPD outcomes
Daphne Peerlings (Maastricht, Netherlands), Kiki Waejen-Smit, Rudolf A. Jörses, Henrik Watz, Robert Bals, Tobias Welte, Klaus F. Rabe, Claus F. Vogelmeier, Tim Speicher, Martijn A. Spruit, Sami O. Simons, Sarah Houben-Wilke, Frits M. E. Franssen, Peter Alter

OA4648 Gender-specific aspects of alpha-1-antitrypsin deficiency in relation to lung and liver disease, symptom burden and exacerbations: Data from the EARCO registry
Hilal Ersoz (Heidelberg, Germany), Maria Torres-Durán, Alice Turner, Hanan Tanash, Carlota Rodriguez Garcia, Angelo Guido Corsico, José Luis López-Campos, Marc Miravitlles, Christian F. Clarenbach, Kenneth R. Chapman, Jose Mª Hernández Pérez, Catarina Guimarães, Eva Bartošovská, Timm Greulich, Felix Herth, Franziska C. Trudzinski, Philipp Höger, Arturo Oliveses Rivera

OA4649 Patients with PRIS(m) have a high mortality in the longitudinal analysis over a period of 12 years – Results of the BACOP study
Sebastian Fähndrich (Freiburg, Germany), Leticia Grize, Maria Pascarella, Kurt Schmidlin, Claudia Berlin, Eleni Eleni Papakonstantinou, Daiana Stolz

OA4650 Validation of COPD etiotypes by AI-text mining of electronic health records
Florent Baty (St. Gallen, Switzerland), Claire Dexter, Maria Pascarella, Daiana Stolz, Martin Brutsche
A3 Session 444 11:00 - 12:15

Oral presentation: Assessment of ventilation in awake and sleeping children

Disease(s): Sleep and breathing disorders
Method(s): Pulmonary function testing  General respiratory patient care  Imaging  Physiology
Tag(s): Clinical
Chairs: Nicole Beydon (Paris, France), Jakob Usemann (Basel, Switzerland)

OA4655 Late Breaking Abstract - Detection of bronchopulmonary dysplasia (BPD) in preterm infants with an artificial neural network (ANN) trained using air flow time series (TS) measured during tidal breathing (Tb)
Edgar Delgado-Eckert (Basel, Switzerland), Abdessamad Falhi, Céline Rüttimann, Philipp Latzin, Urs Frey

OA4656 NATIONAL REGISTRY SYSTEM FOR HOME MECHANICAL VENTILATION SUPPORT IN CHILDREN: FIRST DATA FROM TURKEY

OA4657 Obstructive sleep apnea syndrome during the first year of life in Robin sequence RS: a prospective and longitudinal polysomnography PSG study
Lauriane Coutier (Bron, France), Romane Gyapay, Brigitte Faurox, Aurore Guyon, Lucie Grifion, Sonia Ayari, Sébastien Blanc, Julie Chauvel, Isabelle James, Robin Pouyau, Marine Thieux, Véronique Abadie, Patricia Franco

OA4658 Pediatric obstructive sleep apnea diagnosis by respiratory polygraphy including hypopneas associated with autonomic microarousals
Iulia Cristina Ioan (Vandoeuvre-Les-Nancy, France), Cyril Schweitzer, Sofia Da Mota, Aurore Guyon, Laurianne Coutier, Patricia Franco

OA4659 Treatment-emergent central sleep apnea during high flow nasal cannula treatment in infants
Malin Lovisa Rohdin (Stockholm, Sweden), Inmen Tayachi, Emma Caffrey Osvald

OA4660 Effect of CPAP on respiratory mechanics in obese children.
Dorottya Antics (Jászberény, Hungary), Eszter Muzslay, Zsúliet Bojtár, János Benjámin Hérák, Dóra Krikovszky, Lajos Kovács, Szabolcs Baglyas, Attila J. Szabó, Zoltán Hantos, Andrea Luczay, Dorottya Czövek

OA4661 Closing volume by forced oscillations and severity of lung disease in young CF patients
Sotiros Fousas (Patras, Greece), Christos Kogias, Athina Sopiadou, Evangelia Angeli, Olga Lagiou, Petrines Vantsi, Aris Bertzounis, Elisavet-Anna Chrysochoou, Elpis Hatziajigoru

OA4662 Optimized algorithm for speed-of-sound-based infant sulfur hexafluoride multiple-breath washout measurements
Florian Wyler (Bern, Switzerland), Thuvaraka Manogaran, Nathalie Monney, Yasmin Salem, Ruth Steinberg, Anne-Christianne Kemptges, Carvem Jacobs, Shaakira Chaya, Carla Rebeca Da Silva Sena, Noemi Künstler, Olga Gorlanova, Sophie Yamine, Diane Gray, Urs Frey, Marc-Alexander Oestreich, Philipp Latzin

OA4663 Utility of cardiopulmonary exercise testing in children and adolescents with non-cystic fibrosis bronchiectasis and primary ciliary dyskinesia.
Colleen Carden (Glasgow (Glasgow), United Kingdom), Rebecca Lennon, Paul Burns, Ross Langley, Philip Davies
**OA4664**

129Xe-MRI to assess regional airway clearance in children with primary ciliary dyskinesia

Lynne Schofield (Leeds, United Kingdom), Alberto Biancardi, Laurie Smith, Helen Marshall, David Capener, Jody Bray, Shagufta Fazal, Anna Zalewksa, Guilhem Collier, Graham Norquay, Ryan Munro, Olly Rodgers, Leanne Armstrong, Jen Rodgers, Susi Shanks, Daniel Hind, Eduardo Moya, Evie Robson, Anna Shawcross, Noreen West, Sally Singh, Jim Wild

**OA4665**

Discussion and Q&A

All Speakers

**Lehar 3**

**Session 445** 11:00 - 12:15

**Disease(s):** Airway diseases, Sleep and breathing disorders

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

**Tag(s):** Clinical, Translational

**Chairs:** Filippotos T. Filippidis (Rickmansworth, United Kingdom), Stamatoulas Tsikrika (Athens, Greece)

**OA4666**

Late Breaking Abstract - The interplay of environmental tobacco smoke exposure and physical activity on sleep -disordered breathing in school-aged children

Siyu Dai (Hangzhou, China), Lingxiao Ye, Dingbo Shu, Fanjing Meng, Xiaochen Liu, Xiangyue Xiao, Le Wang, Jianping Ding

**OA4667**

Investigating the effect of e-cigarettes on alveolar epithelial cells using a novel in vitro aerosol exposure device

Marzieh Aghiababaie (Auckland, New Zealand), Sue McGlashan, Vinod Suresh, Kelly Burrowes

**OA4668**

National Quality Improvement programme for Tobacco Dependency Treatment pathways in UK hospitals

Robyn Fletcher (Nottingham, United Kingdom), Christina Moll, Miguel Souto, Alexander Hamimant, Sanjay Agrawal

**OA4669**

Oxidative stress and antioxidant capacity in smokers undergoing a smoking cessation program: a comparison between COPD and non-COPD patients.

Aldo Pezzuto (Roma, Italy), Marina Borro, Alberto Ricci, Alessia Pacini, Francesca Lofoco, Ilenia Fiore, Andrea Favari, Martina Ubaldi, Teresa Palermo, Noemi Calabro’, Gerardo Salerno

**OA4670**

The effect of immediate appointment scheduling on the rate of access to smoking cessation clinics for patients with chronic airway disease: Preliminary results of a randomized trial

Dilek Karadoğan (Rize, Turkey), Tahsin Gökhlan Telatar, Ilknur Kaya, Siahmet Atlı, Neslihan Köse, Feride Marım, Merve Yumrukuz Şenel, Aycan Yüksel, Burcu Yalçın, Ökkeş Gültekin, Merve Erçelik, Metin Akgün

**OA4671**

Immediate evidence-based support: Key to quitting smoking in chronic airway disease – A multicenter randomized study

Dilek Karadoğan (Rize, Turkey), Tahsin Gökhlan Telatar, Ilknur Kaya, Siahmet Atlı, Neslihan Köse Kabil, Feride Marım, Merve Yumrukuz Şenel, Aycan Yüksel, Burcu Yalçın, Ökkeş Gültekin, Merve Erçelik, Metin Akgün

**OA4672**

IL-33’s role in NET formation and neutrophil-mediated inflammation in smoke-exposed asthma through autophagy

Jing Liu (Guangzhou, China), Peizhi Tao, Beiting Su, Li Zheng, Yusen Lin, Xiaoling Zou, Hailing Yang, Wenbin Wu, Tianzuo Zhang, Hongtao Li

**OA4673**

E-cigarette use and subsequent asthma outcomes in patients with current asthma: Findings from the National Asthma Survey

Min Li (Kunming, China), Wenye Zhu, Shibo Sun, Zhuang Luo

**OA4674**

A scenario-based modeling study to project the future burden of COPD in Western Europe accounting for air pollution, tobacco smoking, and e-cigarette vaping

Elroy Boers (Calgary, Canada), Angier Allen, Adam Benjafield, Laura Crotty Alexander, Atul Malhotra, Meredith Barrett

**OA4675**

The importance of age of smoking debut and pack-years on development of respiratory symptoms and asthma in young adulthood

Linnea Hedman (Luleå, Sweden), Helena Backman, Caroline Stridsman, Eva Rönmark

**OA4676**

Discussion and Q&A

All Speakers

**Strauss 1**

**Session 446** 11:00 - 12:15

Oral presentation: Extending from lung cancer screening to diagnostics and further
Disease(s) : Thoracic oncology
Method(s) : Endoscopy and interventional pulmonology
Tag(s) : Clinical
Chairs : Georgia Hardavella (Athens, Greece), Joao Pereira (Coimbra, Portugal)

Blood biomarker-aided cancer discrimination of screen-detected small lung nodule: The Cancer Signature Ensemble
Seung Hun Jang (Anyang, Republic of Korea), Ji Young Park, Young-Chul Kim, Hyung-Joo Oh, Young Sik Park, Jaeyoung Cho, Yeon Woob Kim, Shin Yup Lee, Jung-Ki Yoon, Seongmun Jeong, Hwang-Phill Kim, Su Yeon Kim, Tae-You Kim

Characteristics of lung nodules detected by low-dose CT scan: results from the French lung cancer screening study DEP KP80
Nicolas Storme (FLUY, France), Mariane Auquier, Valerie Petigny, Sebastien Courraud, Vincent Jounieaux, Olivier Leleu

Two years’ experience with the Czech population pilot programme for lung cancer early detection
Martina Koziar Vasakova (Praha 10, Czech Republic), Karel Hejduk, Ivana Cierna-Peterova, Hynek Mirka, Bohumil Seifert, Jana Skrickova, Vladimir Koblizek, Alena Mensikova, Marcela Koudelkova, Renata Chloupkova, Ondrej Ngo, Nikola Stourac, Ondrej Majek

Diagnostic yield of ssRAB combined with CBCT imaging in comparison with CBCT-based navigation bronchoscopy using a passive catheter-based approach: preliminary results
Aniek Bruinen (Nijmegen, Netherlands), Erik Van Der Heijden, Roel Verhoeven

Machine Learning Computational Model to predict Lung Cancer Using Electronic Medical Records
Dekel Shlomi (Tel-Aviv, Israel), Mataneli Levi, Shiri Kushnir, Noga Yossef, Assaf Hoogi, Teddy Lazebnik

Two-year survival and disease recurrence after endosonography with or without confirmatory mediastinoscopy for resectable lung cancer (MEDIATrial)
Jelle Bouwena (Breda, Netherlands), Louisa Spaans, Marcel Dijkgraaf, Erik Van Der Heijden, Ad Verhagen, Jouke Annema, Frank Van Den Broek

The importance of incidental lung cancer nodules diagnosed in a population that does not meet the USPSTF criteria
Li Yang (Chongqing, China), Minjin Yang, Min Ao, Weiyi Li, Ao Liu, Jinfeng Chen

Lung Cancer Screening in People With COPD: The Pamplona-IELCAP Experience
Maria Navamuel Andueza (Pamplona, Spain), Ana Belén Alcaide, Arantza Campo, Javier Zulueta, Gorka Bastarrrika, Ana Ezponda, Miguel Mesa, Diego Murillo, Marimar Ocón, Carmen Felgueroso, Jesús Puyeo, María Rosario Lozano, Luis Montuenga, Juan Arté, Maria Teresa Perez-Warnisher, Isberling Madeleine Di Frisco, Luis Seijo, Juan Pablo De Torres

Late Breaking Abstract - Identification and Significance of Single Nucleotide Variants in Large Cell Neuroendocrine Carcinoma of the Lung
Ilona Tietzova (Prague, Czech Republic), Marie Korabecna, Jan Geryk

Discussion and Q&A
All Speakers
Feasibility of Assessing the abnormal Paediatric Airway using Rotational Optical Coherence Tomography – The OCT Air Study
Anne Katrine Poulsen (Aarhus, Denmark), Signe Thim, * Oct Air Research Group, Sune Rubak

Primary lung tumors in children: a national retrospective study on pulmonary outcome.
Flavie Godard (Caen, France), Aurore Haffreingue, Frédéric Hameury, Sabine Sarnacki, Erik Hervieux, Arnaud Bonnard, Daniel Orbach, Brice Fresneau, Cécile Vérité, Jérémy Rouger, Cédric Agossah, Jacques Brouard, Olivier Abbo, Frédéric Millot, Philippe Buisson, Nicolas Kalfa, Hélène Sudour, Marion Gambart, Nicolas André, Jean-Louis Lemelle, Ludovic Mansuy, Aude Marie-Cardine, Rémi Besson, Hubert Lardy, Julien Lejeune, Emmanuel Sapin, Alain Kandem Simo, Florent Guérin, Christian Piolat, Thierry Merrot, François Varlet, Estelle Thebaud, Marie Auger Hunault, Guillaume Podevin, Claire Briandet, Marc-Dece Declair, Edourd Habonimana, Yves Reguerre, Coralie Mallebranche, Julien Rod, Fanny Delehaye

A systematic review of transbronchial lung cryobiopsy for pediatric interstitial lung diseases
Vikram Damaraju (Guntur, India), Sravanthi Vutukuru, Gayathri Gandrakota, Ganga Ravindra Adimulam

The order does not matter! – A randomized cross-over analysis of the mutual influence of Multiple Breath Washout and Spirometry in children with Cystic Fibrosis and Primary Ciliary Dyskinesia
Anne Schlegtendal (Bochum, Germany), Anna Schoop, Robin Denz, Christoph Maier, Folke Brinkmann, Thomas Lücke

Evaluation of patients with Primary Ciliary Dyskinesia in terms of humoral immunodeficiency
Halime Nayır Büyükşahin (Ankara, Turkey), Nagehan Emiraliloglu, Canan Caka, Selma Esenboğa, Deniz Çağdaş Ayvaz, Raziyie Atan, Ismail Guzelkas, Birce Sunman, Didem Alboga, Meltem Akgül Erdal, Ipek Demir, Bercu Capraz, Ebru Yalcun, Deniz Dogru, Nural Kiper, Ilhan Tazcan, Ugur Ozcelik

A systematic review of transbronchial lung cryobiopsy for pediatric interstitial lung diseases
Vikram Damaraju (Guntur, India), Sravanthi Vutukuru, Gayathri Gandrakota, Ganga Ravindra Adimulam

The diagnostic utility of BAL in children with interstitial lung disease
Shaakira Chaya (Mokopane, South Africa), Katharina Schütz, Hannah Kaiser, Hanna Wennigsen-Heipke, Florian Länger, Julia Carlens, Martin Wetzke, Christoph Happel, Schwerk Nicolaus

Immunological status in patients with neuroendocrine cell hyperplasia of infancy. CRC chILD-EU
Katarzyna Solarska-Rydz (Warsaw, Poland), Honorata Marczak, Magdalena Grochowska, Katarzyna Krenke

Discussion and Q&A
All Speakers

Stolz 2 Session 448 11:00 - 13:40

Skills workshop: SW17 Thoracic ultrasound basic principles - €
Additional registration is required for this session.

Aims: To describe the current use of thoracic ultrasound and to provide participants with the opportunity to perform this technique using training models, simulators, volunteers and patients.

Disease(s): Thoracic oncology  Interstitial lung diseases

Chairs: Najib M. Rahman (ABINGDON, United Kingdom)

11:00 Introduction
Najib M. Rahman (ABINGDON, United Kingdom) 4698

11:20 Normal Thoracic Cavity
Morten Bendixen (Skejby, Denmark), Silvia Mongodi (Pavia, Italy) 4699

11:20 Pleural effusion and / or pleural thickening
Pia Iben Pietersen (Odense C, Denmark), Giovanni Volpicelli (Torino (TO), Italy) 4700

11:20 Case studies
Radhika Banka (Mumbai (Maharashtra), India) 4701

11:20 Guided interventions
Dinesh Addala (Oxford, United Kingdom), Gilles Mangiapan (Creteil, France) 4702

Studio Session 449 11:30 - 12:15

Congress theme: How will generative artificial intelligence support our future practice? Ask AMÉCA, one of the most advanced humanoid robots in the world
Aims: To encourage audiences to explore the potential benefits and risks of integrating generative artificial intelligence (AI) into respiratory healthcare; to demonstrate application on a showcase how generative AI has been/can be utilized in respiratory healthcare; to facilitate discussion and to promote dialogue among presenters, audience and AI about the advantages and disadvantages of adopting generative AI in their professional practices and self-management; to encourage reflection and to foster critical thinking regarding the social implications of incorporating Generative AI into respiratory healthcare.

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

Method(s): General respiratory patient care, Palliative care, Public health

Tag(s): Congress theme: Humans and Machines: getting the balance right

Target audience: Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Patient, Scientist (basic, translational), Thoracic oncologist, Journalist

Chairs: Hilary Pinnock (Edinburgh, United Kingdom), Marielle W.H. Pijnenburg (Rotterdam, Netherlands)

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<th>Time</th>
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<td>11:30</td>
<td>Welcome</td>
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<tr>
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<td>Hilary Pinnock (Edinburgh, United Kingdom), Marielle W.H. Pijnenburg (Rotterdam, Netherlands)</td>
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<td>11:35</td>
<td>Introduction</td>
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<td>Io Hui (Edinburgh (Edinburgh), United Kingdom)</td>
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<td>11:40</td>
<td>Ask AMECA: patient and clinician representatives</td>
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<td>Richard Costello (Dublin 9, Ireland), Kjeld Hansen (Oslo, Norway)</td>
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<td>11:50</td>
<td>Ask AMECA: live questions from the audience</td>
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<td>Io Hui (Edinburgh (Edinburgh), United Kingdom), Hilary Pinnock (Edinburgh, United Kingdom)</td>
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<td>11:55</td>
<td>Panel discussion</td>
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<td>Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Brian McKinstry (Edinburgh, United Kingdom), Ingo Keller (Edinburgh, United Kingdom)</td>
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<td>12:10</td>
<td>Closing remarks</td>
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<td>Hilary Pinnock (Edinburgh, United Kingdom)</td>
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**INDUSTRY LUNCHTIME SYMPOSIUM**

**PS-1 Session 458**

**Poster session: Clinical problems in respiratory medicine II**

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

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

Chairs: Ozge Ozturk Aktas (Ankara, Turkey), Emad Eldin Ibrahim (Alexandria, Egypt)

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<tr>
<th>Poster ID</th>
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<tr>
<td>PA4742</td>
<td>Pulmonary manifestations of antiphospholipid syndrome: a retrospective analysis of 121 patients</td>
<td>Biljana Lazovic (Beograd, Republic of Serbia), Ljudmila Stojanovic, Milos Filipovic</td>
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<tr>
<td>PA4743</td>
<td>Suboptimal response to biologics in severe asthma patients with humoral immunodeficiencies</td>
<td>Angelica Tiotiu (Brussels, Belgium)</td>
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<tr>
<td>PA4744</td>
<td>Interstitial lung disease: performance of neutrophil-lymphocyte ratio in predicting progression</td>
<td>Nourchene Khalfallah (Rades, Tunisia), Haifa Zaibi, Hédi Ourtani, Emna Ben Jemai, Ijihen Ben Ammar, Hichem Aouina</td>
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<td>PA4745</td>
<td>Necrostatin-1 can inhibit the necroptosis and improve diaphragm function in the sepsis mice sepsis by cecal ligation and puncture</td>
<td>Xin Fu (Chengdu, China), Qian Xu, Lietao Wang, Qin Wu</td>
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<td>PA4746</td>
<td>Reducing the environmental impact of asthma and its treatment: findings from the SENTINEL pilot site</td>
<td>Michael Crooks (East Riding of Yorkshire, United Kingdom), Lukas Pitel, Helena Cummings, Chao Huang, John Turgoose, Judith Cohen, Mike Watt, Veishal Raja Gopal, Tamsin Morris, Yang Xu</td>
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<tr>
<td>PA4747</td>
<td>Mepolizumab is not inferior to omalizumab, improving asthma control in severe allergic and eosinophilic asthma, a randomised, blinded, non-inferiority trial.</td>
<td>Peter Wark (Prahran (Victoria), Australia), Lorena Rodrigues Sabino, Erin Nolan, Peter Gibson, Vanessa Mcdonald, John Upham, Elaine Yap, Elizabeth Holliday</td>
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Asthma, gestational diabetes mellitus and adverse perinatal outcomes: an Australian population-based analysis
Vanessa E. Murphy (Callaghan, Australia), Soriah Harvey, Jason Dizon, Elizabeth Holliday, Natasha Weaver, Kimberly Barrass, Ashley Calaco, Jin Xiang Hong, Katherine Leverett, Bronwyn Brew, Olivia Tierney, Leigh Kinsman, Craig Pennell, Vanessa Mcdonald, Peter Gibson, Megan Jensen

Chronic Cough Patient Perspective: questionnaire validation and symptom impact.
Maria Giulia candeliere (GENOVA, Italy), Fulvio Braido, Beneditta Bondi, Enrico Arnaboldi, Matteo Bruno, Nicole Colombo, De Tommaso Cesare, Melissa Ferraris, Sofia Martinelli, Laura Melissari, Ludovica Napoli, Federica Terracciano, Chiara Folli, Ilaria Baiardini

Evaluation of normal pre-bronchodilator FEV1/VCMax in the context of significant bronchodilator responsiveness
Dominic Evans (York, United Kingdom), Muhammad Khan, Calvin Apen

Frequency and severity of asthma in patients with hiatal hernia
Michel Abou Khalil (beirut, Lebanon), Khalil Hamadeh, Mario Fakhry, Elissa Chebly, Georges Dabar, Carine Harmouche, Bassem Habr, Antoine El Kik, Moussa Riachy, Hind Eid, Zeina Aoun Bacha

Efficacy of dupilumab in patient with hypereosinophilic syndrome and asthma non-responsive to anti-IL5 and anti-IL5r treatment.
Dominika Ochab-Krupnik (Kielce, Poland), Piotr Lacwik, Anna Mościcka, Bartosz Chruściel, Katarzyna Barwinek-Grajek, Youssef Sleiman, Cezary Płaczynski

Differences in the progression among mild, moderate and severe pulmonary fibrosis on HRCT scan in Usual Interstitial Pneumonia (UIP) cohort in the United Arab Emirates (UAE)
Khaled Saleh (Abu Dhabi, United Arab Emirates), Samiuddin Mohammed, Govinda S. Bodi, Hosam Alazazzi, Stuti Mull, Zaina Khan, Shayan Khan, Jihad Mallat

Prognostic role of novel inflammatory biomarkers in patients with chronic obstructive pulmonary disease with metabolic syndrome
Jamol Uzokov (Tashkent, Uzbekistan), Anis Alyavi, Bakhromkhon Alyavi, Akbar Abdullaev

Childhood asthma risk prediction - clinician judgement versus Pediatric Asthma Risk Score as a clinical decision support tool
Arthur Owora (Indianapolis, United States), Robert Tepper, Nadia Krupp, Kirsten Kloepfer, Oladipupo Ogunbekun, Yash Shah, Bowen Jiang, Colin Rogerson, Eneida Mendonca, Randall Grout, William Bennett, Benjamin Gaston

The efficacy and safety of osimertinib in patients with advanced EGFR-mutated NSCLC: a systematic review and meta-analysis of randomized controlled trials
Domestic Evans (York, United Kingdom), Muhammad Khan, Calvin Apen

Assessment of osteoporosis and fracture risk in people with interstitial lung disease, can we do better?
Laura Chapman (London, United Kingdom), Gráinne D’Ancona, Aliona Ali, Alison Wright, Jessica Clements

Clinical utility of metagenomic next-generation sequencing negative results in corticosteroid-responsive diffuse parenchymal lung diseases
Khaled Saleh (Abu Dhabi, United Arab Emirates), Samiuddin Mohammed, Govinda S. Bodi, Hosam Alazazzi, Stuti Mull, Zaina Khan, Shayan Khan, Jihad Mallat

Risk factors for respiratory relapses in patients with EGPA
Justyna Fijolek (Warszawa, Poland), Dariusz Gawryluk, Paweł Bujnowski, Elżbieta Wiatr

Granulomatous inflammation in EBUS-FNA negatively predicts malignant nodal involvement in patients with co-existing past or present malignancy.
Ishitha Gunadala (STOCKPORT, United Kingdom), Antonio Paiva-Correia

Poster session: Clinical aspects in chronic airway diseases

Airway diseases Sleep and breathing disorders
General respiratory patient care Physiology Endoscopy and interventional pulmonology Pulmonary function testing Transplantation Public health Imaging Cell and molecular biology Epidemiology
Clinical
Francisco-Javier Gonzalez Barcala (Santiago de Compostela, Spain), Christer Janson (Uppsala, Sweden)

Domiciliary nasal high flow therapy for breathlessness; chronic obstructive pulmonary disease (COPD)
Natasha Smallwood (Melbourne (VIC), Australia), Amy Pascoe, Catherine Buchan, Aaron Wong, David Currow, Brian Le
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<th>Paper ID</th>
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<td>PA4763</td>
<td>Investigating the important factors influencing long-term doxycycline responsiveness in COPD</td>
<td>Debkanya Dey (Kolkata (West Bengal), India), Sudipto Saha, Rajat Banerjee, Parthasarathi Bhattacharyya</td>
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<td>PA4764</td>
<td>Inter-patient variability of inhaled medication lung deposition using Functional Respiratory Imaging (FRI)</td>
<td>Hosein Sadafi (Kontich, Belgium), Navid Monshi Tousi, Jan De Backer</td>
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<td>PA4765</td>
<td>Measures of lung function and inflammation in patients hospitalised with severe asthma attacks and 2 weeks later</td>
<td>Mouad Aljehani (Nottingham, United Kingdom), Tim Harrison, Matthew Martin</td>
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<td>PA4766</td>
<td>Bronchiectasis in severe asthma: clinical and inflammatory response to biologic therapy.</td>
<td>Alice Villa (verona, Italy), Elide Felici, Andrea Mastrotorto, Ernesto Crisafulli, Gianenrico Senna, Marco Caminati</td>
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<td>PA4767</td>
<td>&quot;The earlier the better&quot;, evolution of Pulmonary Function Tests (PFT) in severe asthma patients treated with Benralizumab after two years.</td>
<td>Pablo Franco Suárez (León, Spain), Elizabeth De Freitas Gonzalez, Yanira Chuquimia Mendoza, Elena Martin Gallego, Brenda Lucia Romero Argüello, Andrea Pérez-Álvarez, Laura Sierra Herranz, Javier Juan Garcia, Silvia Fernandez Huerga, Luis Carazo Fernandez</td>
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<td>PA4768</td>
<td>Mucus dispersal by Dithiothreitol (DTT) reduces ciliary dyskinesia</td>
<td>Anna Straatman-Iwanowska (Leicester, United Kingdom), Maria Khan, Neeta Kulkarni, Gwyneth Williams, Christopher O'Callaghan, Robert Hirst</td>
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<td>PA4769</td>
<td>Management of patients with confirmed large airway collapse</td>
<td>Calum Heslop (Liverpool, United Kingdom), Rachel Burton, Fred Fyles, Rebecca Nightingale, Ailis Walsh, Hassan Burhan</td>
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<td>PA4770</td>
<td>Efficacy of inhaled corticosteroid and bronchodilator in patients with persistent respiratory symptoms post COVID-19 infection: a retrospective analysis</td>
<td>Shih-En Tang (Taipei, Taiwan), Emily Yushu Wang, Shu-Yu Wu, Wen-In Wu, Chung-Kan Peng, Chin-Mao Hung, Kun-Lun Huang Huang, Chia-Hsin Liu</td>
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<td>PA4771</td>
<td>Comparison of effectiveness of acetylcysteine and 3% hypertonic saline inhalation in patients with COPD</td>
<td>Dmytro Dobriansky (Kyiv, Ukraine), Galya Gumieniuk, Nina Kuzmenko, Oleh Iaremenko, Dmytro Dobriansky</td>
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<td>PA4772</td>
<td>The societal cost of asthma among young adults in Sweden – a register-based study</td>
<td>Alma Roving (Kobenhavn NV, Denmark), Richard Ssegongja, Christner Janson, Anders Løkke, Rikke Ibsen, Ole Hilberg, Vibeka Backé, Charlotte Suppli Ulrik, Ulla Möller Weinreich, Kjell Erik Julius Håkansson</td>
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<td>PA4773</td>
<td>Factors affecting asthma control in pregnant women with asthma.</td>
<td>Kaleem Toori (Rawalpindi, Pakistan), Muhammad Arsalan Qureshi</td>
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<td>PA4774</td>
<td>Respiratory clinicians’ attitudes to offering ‘rescue packs’ to patients discharged after COPD exacerbation</td>
<td>Karolina Küberska (Cambridge, United Kingdom), Graham Martin, John R Hurst, Mona Bafadhel</td>
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<td>PA4775</td>
<td>Social determinants of health in clinical trials of long-term oral antibiotics in COPD: a systematic review</td>
<td>Natasha Smallwood (Melbourne (VIC), Australia), Zac Irwin, Amy Pascoe, Harrison Birch, Meghan Owens-Reed</td>
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<td>PA4776</td>
<td>Evaluation of the association between nutritional status and socioeconomic factor with lung function in PCD Patients in the UK</td>
<td>Ran An (London, United Kingdom), Duncan Alastair, Kahai Rasleen</td>
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<td>PA4777</td>
<td>Reduced tracheal stenosing effect of nintedanib in a patient with scarred posttraumatic tracheal stenosis and airflow limitation</td>
<td>Stefanie Klampfein (München, Germany), Andreas Fertl, Ositha Prinz, Martin Doerfler-Schalm, Dieter Munker, Markus Henke</td>
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<td>PA4778</td>
<td>Efficacy and safety of axatilimab at 3 different doses in patients with chronic graft-versus-host disease (cGVHD) and related bronchiolitis obliterans syndrome (BOS): results of a pivotal phase 2 study</td>
<td>Amandeep Salhotra (Duarte, United States), Zachariah Defilipp, Mehdi Hamadani, Jose Antonio Perez-Simon, Jennifer White, Emma Nicholson, Shuyuan Lou, Timothy O'Toole, Peter Ordentlich, Vedran Radojicic, Carrie Kitko, Daniel Wolff</td>
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<td>PA4779</td>
<td>Late Breaking Abstract - Clinical efficacy of Tezepelumab in pre-selected non-Type 2 asthma patients</td>
<td>Timothy Chin-See-Chong (Rotterdam, Netherlands), J. Van Der Valk, M. Shamji, J. Kappen</td>
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<td>PA4780</td>
<td>FASE 2 - CPHG: Initial findings of an observational study of patients with severe asthma treated in French non-academic hospitals.</td>
<td>Laurent Portel (Libourne Cedex, France), Wenda Gaspard, Cyril Maurer, Cecilia Nocent, Jean-Philippe Oster, Camille Vandevelde, Chantal Raherison-Semjen, Marc Humbert, Hugues Morel</td>
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Managing Small Airway Disease in patients with severe asthma: transitioning from the "Silent Zone" to achieving "Quiet Asthma"

Francesca Montagnolo (Bari, Italy), Vitaliano Nicola Quaranta, Silvano Dragonieri, Andrea Portacci, Enrico Buonamico, Ilaria Iorillo, Ernesto Lulaj, Leonardo Maselli, Alessio Marinelli, Flugerta Sana, Giovanni Dalena, Alberto Carrassi, Marco Antonio Patruno, Giovanna Elisiana Carpeggiano

Dupilumab efficacy in patients with COPD and type 2 inflammation irrespective of mortality risk score

Claus Vogelmeier (Marburg, Germany), Klaus F. Rabe, Surya P. Bhatt, Nicola A. Hanania, Mona Bafadhel, Stephanie A. Christenson, Alberto Papi, Dave Singh, Elizabeth Laws, Jennifer Maloney, Xin Lu, Deborah Bauer, Ashish Bansal, Lacey B. Robinson, Raolat M. Abdulai

Mepolizumab response in patients with COPD and an eosinophilic phenotype with/without chronic bronchitis (CB): A METREX/METREO post hoc analysis

Claus Vogelmeier (Marburg, Germany), Daiana Stolz, Nicolas Roche, Meredith C. Mc Cormack, Robert Chan, Stefanie Kolterer, Bhabita Mayer, Alberto Papi

Dupilumab improves quality of life in non-exacerbators with moderate-to-severe COPD and type 2 inflammation: phase 3 BOARES trial

Stephanie Christenson (San Francisco, United States), Klaus F. Rabe, Claus F. Vogelmeier, Surya P. Bhatt, Nicola A. Hanania, Mona Bafadhel, Alberto Papi, Dave Singh, Elizabeth Laws, Jennifer Maloney, Xin Lu, Deborah Bauer, Ashish Bansal, Lacey B. Robinson, Raolat M. Abdulai

Dupilumab improves lung function in non-exacerbators with moderate-to-severe COPD with type 2 inflammation in phase 3 BOARES trial

Klaus F. Rabe (Kiel, Germany), Claus F. Vogelmeier, Surya P. Bhatt, Nicola A. Hanania, Mona Bafadhel, Stephanie A. Christenson, Alberto Papi, Dave Singh, Elizabeth Laws, Jennifer Maloney, Xin Lu, Deborah Bauer, Ashish Bansal, Lacey B. Robinson, Raolat M. Abdulai

Dupilumab improves respiratory symptoms in patients with moderate-to-severe COPD with type 2 inflammation in phase 3 BOARES trial

Mona Bafadhel (London, United Kingdom), Alberto Papi, Surya P. Bhatt, Klaus F. Rabe, Nicola A. Hanania, Claus F. Vogelmeier, Stephanie A. Christenson, Dave Singh, Elizabeth Laws, Jennifer Maloney, Xin Lu, Deborah Bauer, Ashish Bansal, Lacey B. Robinson, Raolat M. Abdulai

Dupilumab efficacy and safety in patients with moderate-to-severe COPD with type 2 inflammation: pooled analysis of BOARES and NOTUS

Klaus F. Rabe (Kiel, Germany), Surya Bhatt, Nicola Hanania, Claus F Vogelmeier, Mona Bafadhel, Stephanie Christenson, Alberto Papi, Dave Singh, Elizabeth Laws, Bolanle Akinlade, Jennifer Maloney, Xin Lu, Deborah Bauer, Ashish Bansal, Raolat M Abdulai, Lacey B Robinson

Dupilumab responder types and predicting factors in patients with type 2 severe asthma: a real-world observational study

Lotte Bult (Rotterdam, Netherlands), J.C Thelen, J.C.C.M. In ‘t Veen, G.J. Braunstahl

Clinical trial design of biologic therapies in COPD: MATINEE study of mepolizumab

Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), David J. Jackson, Stephanie Korn, Camille Taillé, Karen Miller, Dalal Mouneimne, Jeff Min, Robert Chan, Stefanie Kolterer, Bhabita Mayer, Gerard J. Criner

Effect of Benralizumab treatment related immune modulation on COPD airway microbiome

Koiorib Haldar (leicester, United Kingdom), Vijay Mistry, Corrine Hamblet, Maria Jison, Christopher Mccrae, Christopher E. Brightling

A Delphi Consensus Project to Capture Experts’ Opinion on the Position of Triple Therapies in COPD: Why, When and to Whom

Andriana Papaioannou (Vrilissia (Athens), Greece), Stelios Loukides, Theodoros Vassilakopoulos, Nikolaos Tzanakis, Konstantinos Kostikas, Georgios Hillas

The TRITRIAL study: CAT change sub-analysis according to number of COPD exacerbations.

Francesco Macagn (Roma (RM), Italy), Luca Richeldi, Pietro Schino, Elena Bargagli, Alberto Ricci, Alberto Rocca, Francesca Marchesani, Alfio Pennisi, Lorenzo Ciambellotti, Maria D’Amato, Ulrica Scaffidi Argentina, Eleonora Ingrassia, Alessio Piraino
Effect of 5 years of treatment with mucoactive drugs on COPD exacerbations in the Czech Republic: a real-life study
Jaromír Zatloukal (Olomouc, Czech Republic), Clive Page, Kristian Brat, Michal Svoboda, Eva Voláková, Vladimír Koblížek

Prospective study of association between step-up of inhaled maintenance therapy and CAT and mMRC scores in patients with stable COPD
Fen Dong (Beijing, China), Ke Huang, Rui Su, Yu Ren, Xiao Hu, Tiantian Liu, Tao Ye, Ting Yang, Chen Wang, Paul Jones

Prospective, non-interventional study to characterise use of triple therapy for COPD: TETRIS
Gernot G.U. Rohde (Frankfurt am Main, Germany), Gernot G.U. Rohde (Frankfurt am Main, Germany), Peter Kardos, Claus Vogelmeier, Kri-Michael Beeh, Jing Claussen, Thomas Paulsson, Henrik Watz, Raj Sharma, Chris Compton, Tharishini Mohan, Tobias Welfe

Vaccination status of the TRITRIAL study population.
Francesco Macagno (Roma (RM), Italy), Luca Richeldi, Pietro Schino, Elena Bargagli, Alberto Ricci, Alberto Rocca, Francesca Marchesani, Alfio Pennisi, Lorenzo Ciambellotti, Maria D'Amato, Eleonora Ingrassia, Luca Cavalieri, Ulrica Scaffidi Argentina, Alessio Piraino

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 realpath clusters of severe asthma from the Italian Registry on Severe Asthma (IRSA): a longitudinal Latent Class Analysis
Matteo Martini (Ancona, Italy), Maria Beatrice Bilò, Leonardo Antonicelli, Fausto De Michele, Adriano Vaghi, Antonino Musarra, Claudio Micheletto

Title: Do older patients with severe asthma respond to asthma biologics?
Wint Wah Soe (Eastleigh, United Kingdom), Rahul Mittal, Peter Cook, Chellan Eames, Sumita Kerley, Ciara Whitfield, Ma Pantalone, Jodi McCreery, Anna Freeman, Hans Michael Haithci, Ramesh Kurukulaaratchy, Paddy Dennison, Hitasha Rupani

ROLE OF SUBACUTE BRONCHIAL INFECTION IN PATIENTS WITH SEVERE ASTHMA CANDIDATES FOR BIOLOGIC THERAPY
Mireia Vicens (Palma de Mallorca, Spain), Nuria Toledo Pons, Amanda Iglesias Coma, Hanaa Shafiek, Antonio Ramirez, Ines Escribano, Mar Mosteiro, Fco.De Borja Garcia-Cosio Piqueras

HRCT chest findings in Th2 high severe asthma patients considered for biological therapies.
Collin Mattathil (Liverpool, United Kingdom), Elmunzir Mahgoub, Rajesh Kumar Yadavilli
Understanding patient perception of asthma biologic treatment response
Sunera Khan (Birmingham, United Kingdom), Emily Lyng, Muna Sheego, Sharron Gilbey, Lisa White, Julie Sullivan, Adel Mansur, Anilkumar Pillai

Prevalence of Asthma Remission in CSAR Cohort
Saud Almousa (Riyadh, Saudi Arabia), Shelley Abercromby, Mohsen Sadatsafavi, Andréan Côté, Kenneth Chapman, Diane Lougheed, Brianne Philipenko, Shawn Aaron, Simon Couillard, Mohit Bhatnani, Hana Serajeddini, Celine Bergeron

COGNITIVE IMPAIRMENT IN SEVERE ASTHMA – LONG-TERM EFFECTS OF BIOLOGICALS
Charlotte Bernhoff (Copenhagen, Denmark), Andreas Elleby Jespersen, Andreas Lillieroth Bricaud, Nanna Dyhre-Petersen, Emilie Johanning Bari, Kamilla Miskowiak, Celeste Porsbjerg

Evaluation of dupilumab and benralizumab on peripheral airway resistance and reactance in type 2 high severe asthma
Rory Chan (Glasgow, United Kingdom), Kirsten Stewart, Chris Ruiwen Kuo, Brian Lipworth

Hydrogen peroxide as a potential marker for monitoring airway inflammation in severe asthma patients on biologics
Claudia Gagliani (Palermo, Italy), Paul Brinkman, Alida Benfante, Alessia Lisotta, Maria Chiara Urso, Dario Macaluso, Elisa Epifani, Anke-H. Maitland Van Der Zee, Nicola Scichilone, Stefania Principi

Real-world changes in fatigue in severe asthma patients after starting anti-interleukin-4/13 biologic
Lianne ten Have (Leeuwarden, Netherlands), Karin B. Fieten, Fleur L. Meulmeester, S. Hashimoto, Johannes A. Kroes, Jacob K. Sont, A. Ten Brinke, K. De Jong, Team Rapsodi

Biologies in severe eosinophilic asthma treatment: four years of a single-centre follow-up
Borislav Božanić (Niš, Republic of Serbia), Marija Topalović, Ivana Stanković, Desa Nastasijević Borovac

Relationship between knowledge, adherence and self-management with response to monoclonal antibody therapy in patients with severe asthma
Christopher Alexander Hinze (Hannover, Germany), Vincent Müller, Frederik Trinkmann, Katrin Milger-Kneidinger, Tobias Welte, Nora Drick, Hendrik Suhling, Jan Fuge

Relationship between T2 biomarkers and clinical remission in severe T2 high asthmatics after 12 months of treatment with omalizumab, mepolizumab and benralizumab.
Mare Sabbe (Olen, Belgium), Jeanne Vervier, Françoise Guissard, Virginie Paulus, Carole Sanchez, Nicolas Bougard, Anne-Noëlle Frix, Flore Schleich, Renaud Louis

Predictors of new-onset EGPA in patient with severe asthma treated with anti IL-4/13
Alberto Bracciali (Prato, Italy), Greta Bentivegna, Alessia Catalisano, Martina Maria Marinato, Rubina Giulia Girolamo, Chiara Allegrini, Chiara Marzi, Federico Lavorini, Gianna Camicotalli

Assessment of asthma control identifies new super responders to anti-IL5r therapy in severe asthma
Gaël Tavernier (Manchester (Greater Manchester), United Kingdom), Lorna Maguire, Helen Birkett, Tara Franklin, Kerry Hince, Stephen Fowler, Thomas Pantin

Effectiveness of dupilumab on lung function in severe eosinophilic asthma
Joana Filipe Marques Simões (Lisboa, Portugal), Raquel Silva, Carlos Lopes, Henrique Cabrita, Alda Manique, Cristina Bárbara

Characteristics and evolution of patients treated with Biologicals in severe asthma of Getafe University hospital
Alejandro Garcia Garcia (Madrid, Spain), Carmen Maria Acosta Gutiérrez, Sara Calero Pardo, Fernando Garcia Prieto, Zully Adjani Vasquez Gambasica, Beatriz Raboso Moreno, Jorge Mora Pinilla, Adriana Rodriguez Perojo, Sonia Pascual García, Waail Boubeeki Boubekri Waail Boubeeki Boubekri, Maria Conejero Merchán, Araceli Abad Fernández

Eosinophilic phenotype in adults with severe asthma in a tropical middle-income country: The ISAR Colombia experience
Carlos A Torres-Duque (Bogotá, Colombia), Isabella Perna-Reyes, Libardo Jiménez-Maldonado, Diana Cano-Rosales, Leslie Vargas-Ramirez, Iván Solarte-Rodríguez, Maria José Fernández-Sánchez, Mauricio Durán-Silva, Eduardo Tuta-Quintero, Abraham Ali-Munive

Evaluation of Asthma Control And Treatment Adherence In Asthma Patients
Gülistan Karadeniz (Izmir, Turkey), Sibel Ayık, Tamay Tatlı, Büşra Dingel

Formation: Looking for biomarkers in chronic respiratory disease
Disease(s) : Airway diseases

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

Tag(s) : Translational

Chairs : Pavol Pobeha (Košice, Slovakia), James Baker (MANCHESTER, United Kingdom)

H. influenzae and S. aureus detection through breath analysis in PCD patients
Belle Toussaint (Amsterdam, Netherlands), Emma Nessen, Joël Isaëls, Eric Haarman, Josje Altenburg, Paul Brinkman, Anke-Hilse Maitland-Van Der Zee

Clinical and genetic predictors of MUC5AC expression in patients with asthma
Caroline Herlov (Frederiksborg C, Denmark), Juan José Nieto-Fontarigo, Morten Hvidtfeldt, Mandy Menzel, Jonas S. Erjfjelld, Lena Uller, Celeste Porsbjerg, Asger Sverrild, Kristoffer L. Norheim

Clinical characteristics and exacerbation risk of chronic obstructive pulmonary disease patients with persistent type 2 inflammation on inhaled corticosteroid
Ming Chiu Chan (Hong Kong, Hong Kong), Antony K P Law, Yiu Cheong Yeung

Sputum rheology critical stress is associated with non-cystic fibrosis bronchiectasis severity
Gaël Tavernier (Manchester (Greater Manchester), United Kingdom), Marion Wood, David Thornton, Stephen Fowler, Robert Lord, Thomas Pantin

Dissociation between lung inflammation and hyperresponsiveness in a murine model of obesity
Alembert Lino Alvarado (London, United Kingdom), Amanda Cavalcante, Simon Pitchford, Yanira Riffó-Vasquez

Miniaturized electrochemical sensor for real-time monitoring of oxidative stress in chronic respiratory disease cell models
Elisabetta Pace (Palermo (PA), Italy), Serena Di Vincenzo, Maria Ferraro, Maria Rita Giuffré, Chiara Cipollina, Maria Giuseppina Bruno, Giuseppe Aiello, Bernardo Patella, Rosalinda Inguinta

Diaphragmatic surface EMG and COPD Inflammatory profile
OUAHIDA BOUROUBI (constantine, Algeria), Ahcene Chikhi, Nesrine Zaabat

Disulfiram alleviates airway remodeling in ozone-induced chronic obstructive pulmonary disease mouse models via inhibiting Gasdermin D-mediated pyroptosis
Jianwei Gao (Shanghai, China), Lei Han, Yuning Huang, Min Zhang

NKG2A+CD56dimCD16br NK cell subset as a potential prognostic marker of response to benralizumab treatment in severe eosinophilic asthmatic patients.
Laura Bergantini (siena, Italy), Miriana D'Alessandro, Tommaso Pianigiani, Elena Bargagli, Paolo Cameli

How patient-reported respiratory symptoms relate to lung function and inflammation in adult asthma
Gilles Louis (Liege, Belgium), Benoit Pétré, Bernardo Sousa-Pinto, Jean Bousquet, Eric Van Ganse, Florence Schleich, Renaud Louis

Evaluation of inflammation, remodeling, hyperresponsiveness and oxidative stress in experimental models of asthma-COPD overlap

A BEAT-PCD ERS CRC consensus statement for routine blood testing in primary ciliary dyskinesia in collaboration with PCD-Clinical Trial Network
Sarah Altaraihi (Copenhagen, Denmark), June K. Nielsen, Pinelopi Anagnostopoulou, Mieke Boon, Siobhan B. Carr, Silvia Castillo-Corullón, Eleonora Dehlink, Damen M. S. Destouches, Jamie Duckers, Eric G. Haarman, Bülent Karadag, Christina Kavouridou, Michael R. Loebing, Bernard Maitre, Henryk Mazurek, Lucy Morgan, Heymut Omran, Uğur Özçelik, Daniel Peckham, Massimo Pifferi, Petr Pohunec, Tavs Qvist, Johanna Raidt, Phillipe Reix, Felix Ringshausen, Phil Robinson, Evie Robson, Jobst Röhmel, Francesca Santamarina, Anne Schlegtendal, Nicola Ullmann, Woolf Walker, Panayiotis Yiallouros, Guillaume Thouverin, Suzanne Crowley, Kim G. Nielsen

Staphylococcus aureus Enterotoxins sensitization on the pathophysiology of COPD
Yoshihiro Kanemitsu (Nagoya, Japan), Ryota Kurokawa, Taisuke Akamatsu, Kensuke Fukumitsu, Satoshi Fukuda, Yutaka Ito, Yuki Amakusa, Tatsuro Suzuki, Keima Ito, Yuta Mori, Takehiro Uemura, Tomoko Tajiri, Yoshihiro Shirai, Akio Niimi
| PA4836 | Utilizing Deep Machine Learning to Disclose Hematological Indices and Biomarkers in Asthma-COPD Overlap  
Mingtao Liu (Guangzhou, China), Baoqing Sun |
| PA4837 | Stratification of pre-COPD by lung volume indices creates distinct proteomic profiles in COPDGene cohort  
Mehrdad Arjomandi (San Francisco, United States), Siyang Zeng, Claire Guo, Chantal Kloth, Katherine Pratte, Gang Luo, Russell P Bowler |
| PA4838 | Advances in Research on Eosinophil Extracellular Traps in Eosinophilic Granulomatosis with Polyangiitis  
junjie wen (Guangzhou, China) |
| PA4839 | Longitudinal association between hemoglobin and lung function with insights into incidence of chronic obstructive pulmonary disease  
SungChan Rim (Seoul, Republic of Korea), Jihoon Kim, Yun Tae Kim, Ji Ye Jung, Youngmok Park |
| PA4840 | Relationship of IL-36γ with oxidative stress markers (Ischemic Modified Albumin (IMA), total oxidant status (TAS) and total antioxidant satatus (TOS)) in the diagnosis of COPD  
Nursel Turkoglu Selcuk (Antalya, Turkey), Hamit Yasar Ellidag, Aliye Gamze Calis |
| PA4841 | Risk factors associated with severe adverse events in patients with relapsing polychondritis undergoing flexible bronchoscopy  
Shao-ting Wang (Beijing, China), Jinglan Wang, Xiaoxing Gao, Keqi Chen, Kai-Feng Xu, Xinlun Tian |

**PS-14**

**Session 463**  
12:30 - 14:00

**Poster session: Harnessing novel mechanistic insight to identify innovative therapeutic targets in airways disease**

**Disease(s)**: Airway diseases

**Method(s)**: Cell and molecular biology  Physiology  Respiratory intensive care  Pulmonary function testing

**Tag(s)**: Translational

**Chairs**: Cindy Barnig (Besançon, France), Patricia Ramos-Ramírez (Stockholm, Sweden)

| PA4842 | Immunoproteasome deficiency promotes airway type 2 inflammation in allergen challenged mice  
Niccolette Schaunaman (Denver, United States), Diana Cervantes, Hong Wei Chu |
| PA4843 | Vitamin D attenuates airway inflammation and airway responsiveness in T2-low asthma by suppressing autophagy via the mTOR signaling pathway  
Min Zhang (Shanghai, China), Yali Qiu, Xue Zhang, Yingying Zhang, Wuping Bao, Yishu Xue, Lei Han, Yan Zhou |
| PA4844 | LSC - 2024 - Deciphering the paradoxical immunoregulatory roles of ADAM metalloproteinase with thrombospondin type 1 motif-4 (ADAMTS4) in lung inflammation  
Mohamed Ghonim (Memphis, United States), Amy Iverson, David Boyd, Lee Ann Van De Velde, Ahmed Kandil, Kasi Vegesana, Mai Abouzeid, Robert Mettellman, Stefan Schattgen, Kaity Allen, Cliff Guy, Peter Vogel, Jason Rosch, Richard Webby, Paul Thomas |
| PA4845 | Lymphoid aggregates accumulate in the lung during allergen-driven airway inflammation and serve as a local source of IgE production  
Andrea Vecchione (Tarrytown, United States), Joseph Devlin, Eva Conde Garcia, Caroline Sanden, Gurinder Atwal, Andrew Murphy, Matthew Sleeman, Andre Limmunder, Wei Keat Lim, Jonas Erjefält, Seblewongel Asrat, Jamie Orengo |
| PA4846 | Dysregulation of Bmll in airway epithelial cells caused a decrease in response to glucocorticoid in HDM-induced asthma  
Minxuan Hu (Guangzhou, China), Haohua Huang, Hua Liao, Yixin Chen, Shaohui Cai, Hangming Dong |
| PA4847 | Adiponectin modulates IL-10 production by T regulatory type 1 cells in allergic inflammation  
Patricia Ramos-Ramírez (Stockholm, Sweden), Carina Malmhäll, Madeleine Rådinger, Apostolos Bossios |
| PA4848 | Autophagy in macrophages modulates the phenotypic switch of asthmatic airway inflammation  
Zhengyuan Liu (hangzhou, China), Lingling Dong, Songmin Ying, Wen Li, Huahao Shen, Zhihua Chen |
| PA4849 | Pollen induces pseudo-allergy via MRGPRX2/Mrgprb2 on mast cells  
Yun Liu (Xi'an, China), Yan Zhang |
| PA4850 | Bronchial pyroptosis promotes Th17 inflammation in a steroid-insensitive toluene diisocyanate-induced asthma model  
Shuyuan Chu (Guilin, China), Jianghong Wei, Yun Lin, Biwen Mo |
Very-long-chain Ceramide Cer24:1 Alleviates LPS-induced Airway Inflammation in Neutrophilic Asthma by Inhibiting Th17 Differentiation
Huan Liu (Beijing, China), Chun Chang

Synergistic and additive effect of costimulatory signal and kinases on T cell-dependent steroid-resistant asthma
Akio Mori (Sagamihara (Kanagawa prefecture), Japan), Satoshi Koyama, Akemi Ohtomo-Abe, Yuichiro Kawasaki, Yuto Nakamura, Yosuke Kamide, Kiyoshi Sekiya, Yuma Fukutomie, Takayuki Ohtomo, Osamu Kaminuma

Rapamycin reduces effector/memory T cell response in mouse model of steroid-resistant asthma
Hyun Seung Lee (Seoul, Republic of Korea), Heung-Woo Park, Kyoung-Hee Lee

The role of lipocalin 2 in small airway lesions of asthma
Xue Zhang (shanghai, China), Lei Zhao, Yishu Xue, Jiao Wu, Wuping Bao, Xue Tian, Min Zhang

The selective blocker of voltage-gated sodium channels NaV1.7 PF-05089771 has the potential to inhibit cough in guinea pigs with allergic rhinitis
Janka Jakušová (Martin, Slovakia), Tomáš Buday, Jana Plevková, Mariana Brozmanová

STING/RANTES signaling in airway epithelial cell is a candidate for the bridge from type 1 inflammation to type 2 inflammation.
Mayoko Tsuji (Tokyo, Japan), Mitsuko Kondo, Akira Nishiyama, Tomohiko Tamura, Miho Koizumi, Hiroaki Honda, Ayako Nakamura-Ishizui, Etsuko Tagaya

Eosinopenia and ILC2 Immune Dysfunction in COPD Exacerbation is Associated to the Upregulation of ILC3/IL-22 Axis
Xinyan Wang (Chengdu, China), Xuemei Liu, Ai Luo, Jiang Luo, Mei Yang, Xin Chen, Yanqing Wu, Cong Zhou, Chen Zhao, Huifang Li, Xiaoting Chen, Fuqiang Wen, Bing Mao, Hongli Jiang, Wei Liu

The role of JAK/STAT signaling in neutrophilic airway inflammation
Barsha Baisakh Nayak (Graz, Austria), Julia Teppan, Iris Red, Juliana Schwanzer, Akos Heinemann, Eva Böhm

DNA methylation sites associated with rate of COPD exacerbations
Leila Karimi (Rotterdam, Netherlands), Lies Lahousse, Ivana Prokić, Pooja Mandaviya, Guy G Brusselle, Bruno H Stricker, Katia M. C Verhamme, Najaf Amin

30-year mortality of individuals with α1-antitrypsin deficiency: A Nationwide cohort study
Steffen Skindbjerg Pedersen (Rødovre, Denmark), Eskild Landt, Sarah Marott, Gökmen Turan, Kudret Oezdemir, Christina Ellervik, Thomas Hvid, Morten Dahl

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Causal Links Between Diabetes and Chronic Obstructive Pulmonary Disease: A Bidirectional Two-Sample Mendelian Randomization Study
Xin Chen (Zigong city, China), Wei Liu, Xinyan Wang, Hongli Jiang

Presence of antibiotic resistance genes in the lower airways microbiome of patients with chronic lung disease and healthy controls
Guri Kringeland (Bergen, Norway), Gunnar R. Husebo, Solveig Tangedal, Andreu Paytuvi, Walter Sanseverino, Rune Nielsen, Tomas Mikal Lind Eagan

Safety, tolerability, pharmacokinetics, and immunogenicity of a human monoclonal antibody TQC2731 targeting thymic stromal lymphopoietin (TSLP) in healthy Chinese adults.
XIN TIAN (Zhengzhou, China), Ruijuan Liu, Lizhen Zhang, Lei Qi, Wenhua Xue, Suyun Wang, Chunjie Sun, Suke Sun, Ji Zhang, Wen Peng, Ding Yu

TSLP AND IL-13 Dual Blockade By Lunsekimig Provides Broader Benefits On Type-2 Inflammation
Yui-Hsi Wang (Andover, United States), Hamid Mattoo, Joo-Hye Song, Michael Bursilovsky, Mark Swistak, Keith Graver, Winne Tung, Hongwei Han, Sigrid Cornelis, Paul Bryce, Arun Subramaniam, Frank Nestle, John Bertin, Alexandra Hicks, Ravi Ramadas
**PA4866**  
α1-Antitrypsin deficiency associated with increased risk of atrial fibrillation in two large populations  
Sine Voss Winther (København S, Denmark), Eskild Landt, Børge Groenne Nordestgaard, Niels Seersholm, Morten Dahl

**PA4867**  
Usefulness of buccal swab sample genotyping performed at home for blood relatives of patients with alpha-1 antitrypsin deficiency  
Laura Ferreiros De La Campa (A Coruña / La Coruña, Spain), Sara De Lucas Altable, Agustín Medina González, Isabel Suárez Toste, Cristina Cabrera Lacalzada, Ana Martin Medina, Héctor Manuel González Expósito, Betsyre Cornejo Brito, Hemily Katherine Izaguirre Flores, Carlos J. González Alavyón, Manuel Hernández Guerra, Juan M. Moreno Sanfel, Valle Velasco González, Patricia Carrera Borjas, Candelaria Cabrera Carballo, Lorenzo Estévez Fernández, Ana Belén Llanos González, Paula Pérez De Armas, Nelson Mesa León, Jesús León Gonzalo Pizarro, Orlando Acosta Fernández, Alicia Pérez Rodríguez

**PA4868**  
Placental DNA methylation and child lung function at 3-years  
Valerie Siroux (La Tronche, France), Marceau Foucher, Lucile Broséus, Sarah Lyon-Caen, Anne Boudier, Joane Quentin, Yoann Goria, Sam Bayat, Claire Philippat, Rémy Slama, Johanna Lepeule

**PA4869**  
Rare SERPINA1 variants leading to severe Alpha-1 Antitrypsin Deficiency  
Ronan Heeney (Dublin, Ireland)

**PA4870**  
Birt-Hogg Dubé Syndrome: Prevalence and Clinical Characteristics Determined from a National Referral Centre  
Andy Clarke (Dublin, Ireland), Evelyn Lynn, David Murphy, Michael P. Keane, Cormac MacCarthy

**PA4871**  
Association of ADRB2 gene variants with lung function and related traits in UK Biobank  
Robert Hall (Nottingham (Nottinghamshire), United Kingdom), Richard Packer, Kayesha Coley, Nick Shrine, Katherine Fawcett, Ian Hall

**PA4872**  
Trans-ethnic analysis in over 780,000 individuals yields new insights into the genetic etiology of allergic diseases  
Zhenglin Chang (guangzhou, Switzerland), Baoqing Sun

**PA4873**  
Comparison of characteristics between populations participating in two lung cancer screening (LCS) studies with low-dose chest CT (LDCT) in Pisa, Italy: ITALUNG (ITL) projects  
Giacomo Guglielmi (Livorno, Italy), Giulia Marchi, Elisabetta Casto, Beatrice Vivaldi, Stefano Paoli, Guido Marchi, Claudia Meschi, Valentina Bessi, Chiara Cruschelli, Giuseppe Gorini, Ferruccio Aquilini, Francesco Pistelli, Laura Carrozzi

**PA4874**  
Prevalence of possible refractory or unexplained chronic cough (RCC/UCC) from chronic cough (CC) patient survey data in Spain, Italy, France and Germany (EU4)  
Johann Christian Virchow (Rostock, Germany), Javier Dominguez-Ortega, Johann Virchow, Laurent Guilleminault, Raffaele Antonelli Incalzi, Vicky Li, Nate Way, Helen Ding, Robert Boggs, Xuehua Ke

**PA4875**  
Cumulative corticosteroid exposure in severe asthma prior to commencing biologics – a nationwide 27-year observational study  
Frederikke Hjortdahl (Copenhagen NV, Denmark), Susanne Hansen, Marianne Søndergaard, Anna Von Bülow, Claus R Johnsen, Johannes Martin Schmid, Ole Hilberg, Charlotte Suppli Ulrik, Anne Sofie Bjerrum, Sofie Lock Johansson, Truls Ingebrigtsen, Maria Bisgaard, Rosana Vijdea, Linda M Rasmussen, Kirsten Brøndholt Rasmussen, Lycely Dongo, Celeste Porsbjerg, Kjell Erik Julius Håkansson

**PA4876**  
OCS use in uncontrolled severe asthma in Canada  
Andrèanne Côté (Quebec, Canada), Jeffrey Beach, Jenna Reynolds, Koyo Usuba, Joshua Tusin, Ali Tehrani, Muthu K G Jayakumar, Tim Tian Yu Han, Susan Waserman

**PA4877**  
Factors of disability due to asthma in Ukraine  
Natalia Sanina (Dnipro, Ukraine), Tamara Turylun, Lyudmila Konopkina

**PA4878**  
Assessment of adherence to inhaled therapy for asthma and COPD in Bulgaria  
Ventisislava Pencheva Genova (Sofia, Bulgaria), Kiril Genov, Todor Todorov, Stanimir Kacheshmarov

**PA4879**  
Respiratory disease research in Nepal: An ethical Concern  
NAMITA Ghimire (Kathmandu, Nepal), Mohanraj Sharma

**PA4880**  
Late Breaking Abstract - The impact of biologic therapy on work capacity and workforce withdrawal in severe asthma  
Kjell Erik Julius Håkansson (Copenhagen V, Denmark), Rikke Ibzen, Marianne Bastrup Soendergaard, Niels Steen Krogh, Susanne Hansen, Anne-Sofie Bjerrum, Anna Von Bülow, Ole Hilberg, Barbara Bonnesen Bertelsen, Claus Rikard Johnsen, Sofie Lock-Johansson, Lycely Dongo, Maria Bisgaard Borup, Roxana Vijdea, Linda Makowska Rasmussen, Johannes Martin Schmid, Charlotte Suppli Ulrik, Celeste Porsbjerg

**PA4881**  
Direct and indirect healthcare resource utilisation in severe asthma patients in China  
Min Zhang (Shanghai, China), Hang Su, Mark Small, Adam Haq, George Bell
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<td>Comparative analysis of post-earthquake respiratory symptoms in traumatized and non-traumatized patients: a study from Kahramanmaraş, Türkiye</td>
<td>Yağmur Gizem Timurhan (Ankara, Turkey), Derya Doğan, Merve Özdoğan Alguın, Ezgi Erdem Türe, Serap Akçalı Duru</td>
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<td>PA4883</td>
<td>Respiratory System Effects of Search and Rescue Workers in the February 6 Kahramanmaraş Earthquakes</td>
<td>Pınar Yıldız Gülhan (Kırıkkale, Turkey), Peri Arbak, Ege Gülçen Balbay, Öner Abidin Balbay, Ali Nihat Annakayya, Hasan Bayram</td>
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<td>PA4884</td>
<td>Quantitative CT marker of distal airway inflammation is correlated with marker of proximal airway dysfunction in WTC workers with low FVC</td>
<td>Rafael E. de la Hoz (New York, United States), Jonathan Weber, Raül San José Estépar, Anthony Reeves, John T. Doucette, Juan C. Celedón</td>
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<td>PA4885</td>
<td>Sand Particles Increase Pneumococcal Adhesion to Primary Airway Cells in vitro</td>
<td>Lisa Miyashita (London, United Kingdom), Beverley Coldwell, David Wertheim, Ian Gill, Simon Crust, Nemesio M. Pérez, Nick Petford, Jonathan Grigg</td>
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<td>PA4886</td>
<td>Chronic exposure of human bronchial epithelial cells to smoke extracts from indoor cooking leads to altered, enhanced gene expression compared to acute exposures</td>
<td>Robert Hall (Nottingam (Nottinghamshire), United Kingdom), Binaya K.C. Rebecca Thompson, Poojitha Rajasekar, Parth Sarath Mahapatra, Siva Praveen Puppala, Dhruva Thakker, Rachel Clifford, Charlotte Bolton, Ian Sayers, Ian Hall</td>
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<td>PA4887</td>
<td>LSC - 2024 - Exploring micro(nano)plastic presence and effects in human airways: in vitro and clinical findings</td>
<td>Agne Vailionyte (Vilnius, Lithuania), Ernesta Bagurskiene, Ieva Uoginte, Steigvile Bycienkiene, Ruta Aldonyte</td>
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<td>PA4888</td>
<td>BHLHE40 driven CCL3+neutrophils promote emphysema after particulate matter exposure</td>
<td>Tao Yu (Beijing, China), Yushi Zhang, Chenli Chang, Baicun Li, Ting Yang</td>
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<td>Lung effects of acute oral administration of bisphenol A-loaded low-density polyethylene microplastics</td>
<td>Gabriel Escarrar-Garau (Palma de Mallorca, Spain), Alberto Fuster-Aparisi, Marta Llobera-Ferriol, Marc Cañet-Cañaves, Joan Truyols-Vives, Rafael Alayón-Afonso, Mar Nafria-Fernández, Miguel David Ferrer-Reynés, Manuel Miró-Lladó, Josep Mercader-Barceló</td>
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<td>Exposure to air pollutants and effects on the small airway lining fluid in allergic asthma</td>
<td>Susanna Haga (Göteborg, Sweden), Linus Schöler, Hanne Krage Carlsen, Ingrid Liljelind, Per Larsson, Anna-Carin Olin</td>
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<td>PA4891</td>
<td>Cigarette smoke extract exposure affects larval innate immune response, metabolic rate and locomotion of Drosophila melanogaster.</td>
<td>PERIKLIS MARNAS (Larisa, Greece), Lydia Giannakou, Athanasios-Stefanos Giannopoulos, Panagiots Tzamalas, Eleanna Pitarak, Rajesh Jagirdar, Eleftherios Papazoglou, Konstantinos Gourgoulianis, Chrissi Hatzoglou, Erasmia Rouka, Sotirios Zaroigianis</td>
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<td>Synergistic effects of PM2.5 and viral challenge on the modulation of antiviral defence and pro-inflammatory cytokines in HBECs in vitro</td>
<td>Sangeetha Ramu (Lund, Sweden), Lena Uller, Mandy Menzel, Irma Mahmutovic Persson, Fanny Bergman, Lena Ohlsson, Christina Isaxon</td>
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<td>The effect of PM2.5 exposure on lung inflammation and mitochondrial dysfunction using a macrophage-alveolar organoid co-culture system</td>
<td>Jeeyoung Kim (chuncheon, Republic of Korea), Seuk-Ho Hong, Woo Jin Kim</td>
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<td>Budesonide reduced stone dust and cigarette smoke-induced interleukin 6 and interleukin 8 production.</td>
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### PA4896
**Cigarette smoke exposure of prediabetic Drosophila melanogaster affects survival, oxygen consumption, thermal and ionic stress endurance.**
PERIKLIS MARNAS (Larisa, Greece), Zoi Malami, Anna Rachovitsa, Panagiotis Tzamalas, Lydia Giannakou, Sotirios Sinis, Eleftherios Papazoglou, Konstantinos Gourgoulianis, Chrissi Hatzoglou, Erasmia Rouka, Sotirios Zarogiannis

### PA4897
**Associations between short-term PM2.5 exposure and hematological indices in healthy subjects**
Chi Thien Dinh (Taipei City, Taiwan), Yuan-Hung Wang, Chien-Hua Tseng, Chien-Ling Su, Jer-Hwa Chang, Hsiao-Chi Chuang

### PA4898
**Factors Associated with Acute Exacerbations in Non-Smoking Patients with COPD in China: Findings from the Enjoying Breathing Program**
Zhoud Zheng (Beijing, China), Junachao Jiang, Xingyao Tang, Wei Li, Hongtao Niu, Jieping Lei, Fen Dong, Ke Huang, Ting Yang, Chien Wang

### PA4899
**Impacts of climate change and air pollution for Australians with lung disease**
Paige Preston (Brisbane, Australia), Lily Grigsby-Duffy

### PA4900
**Air pollutants and meteorological parameters: the association with the evolution of pneumonia in hospitalized patients**
Souha Abdenneji (Tunis, Tunisia), Sabrine Majdoub Fehri, Hamida Kwas

### PA4901
**Late Breaking Abstract - Update on mesothelioma incidence and forecast of future cases in Belgium**
Steven Ronsmans (Leuven, Belgium), Kristiaan Nackaerts, Benoit Nemery

### PS-17  Session 466  12:30 - 14:00
**Poster session: Supporting tobacco cessation**

**Disease(s):** Sleep and breathing disorders, Airway diseases, Thoracic oncology

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

**Tag(s):** Clinical

**Chairs:** Aslı Gürek Dilektaşlı (Bursa, Turkey), Malek Chaabouni (Hamburg, Germany)

**Predictors and barriers to accepting smoking cessation support within targeted lung health screening programmes: a mixed method approach.**
Parris Williams (London, United Kingdom), Sara Buttery, Alexis Perkins, Keir Philip, Anthony Laverty, Nicholas Hopkinson

**Preliminary findings of a Brazilian public lung cancer screening program in Brazil**
Ivana Aguiair (Botucatu (SP), Brazil), Tarcisio Reis, Fabio Yamauchi, Kelly Oliveira, Isadora Furlan, Diane Batista, Agláia Ximenes, Robson Prudente, Estefanya Franco, Luiz Machado, Gustavo Mota, Bruno Lima, Vitor Nishiyama, Gabriel Artiga, Gabriel Reno, Aline Takeuchi, Leticia Ishimoto, Felipe Silva, Juan Wisnivesky, Sergio Ribeiro, Suzana Tanni, Erica Hasimoto

**Lung cancer screening in a public health system in Brazil: integration of primary and tertiary care for respiratory care equity in Botucatu City**
Ivana Aguiair (Botucatu (SP), Brazil), Tarcisio Reis, Fabio Yamauchi, Kelly Oliveira, Isadora Furlan, Diane Batista, Agláia Ximenes, Robson Prudente, Estefanya Franco, Luiz Machado, Gustavo Mota, Bruno Lima, Vitor Nishiyama, Gabriel Artiga, Gabriel Reno, Aline Takeuchi, Leticia Ishimoto, Felipe Silva, Juan Wisnivesky, Sergio Ribeiro, Suzana Tanni, Erica Hasimoto

**Smoking status and lung function in rural areas of northern Greece**
Efthymia Papadopoulos (Thessaloniki, Greece), Christoforos Primos, Konstantinos Kostikas, Konstantinos Porpodis, Iraklis Titopoulou, Stavros Tryfon

**The impact of active smoking on asthma control among high school students in the eastern of Algeria**
Ardjouna Manaa (Setif, Algeria), Lamia Kara, Abbes Mahnane, Belkacem Bioud

**Motivations for smoking in young adults with mental health disorders**
Joan Hanafin (Dublin, Ireland), Salome Sunday, Luke Clancy

**Smoking and e-cigarette prevalence in young adults diagnosed with anxiety/depression vs other mental health disorders**
Joan Hanafin (Dublin, Ireland), Salome Sunday, Luke Clancy

**Restless sleep in young adults, and their parents/caregivers, who are smokers, e-cigarette users, or dual users**
Joan Hanafin (Dublin, Ireland), Salome Sunday, Luke Clancy
E-Cigarette and Tobacco Consumption Patterns in Medical University Students
Aslı Görek Dilektaşlı (Bursa, Turkey), Ozge Aydin Güclu, Arzu Ozpehlivan, Funda Coskun, Ezgi Demirdöğer, Mehmet Karadag, Esra Uzaslan

Google Trends analysis of keywords related to smoking and smoking cessation during the COVID-19 pandemic in four European countries
Klaas F. Franzen (Luebeck, Germany), Tobias Jagomast, Jule Finck, Imke Tangemann-Münstedt, Katharina Auth, Dominik Pawlak, Daniel Drömann

Are the Harms of e-cigarettes recognized by Society?
Takoua Bejaoui (Tunis, Tunisia), Soumaya Ben Saad, Nour Kallel, Amani Ben Mansour, Azza Slim, Hafaoua Daghfous, Fatma Tritar

Higher asthma risk in offspring of parents starting snus use before conception: findings from the RHINESSA study
Juan Pablo López-Cervantes (Bergen, Norway), Simone Accordini, Randi J. Bertelsen, Francisco Javier Callejas González, Shyamali Dharmage, Mathias Holm, Christer Janson, Nils Oskar Jögi, Andrei Malinovschi, Vivi Schlünssen, Cecile Svanes

Smokefree ticket-Project - referring primary care patients to the German Quitline: Implementation strategies and Progress in 4 years.
Christa Rustler (Berlin, Germany), Jennifer Sauerwald, Fabienne Sielaff, Peter Lindinger

Telemedicine-based smoking cessation program in a south-american country
Andrea Bustamante Bennett (Santiago De Chile, Chile), Claudia Bambis, Carolina Althausen, Claudia Pizarro, Luzcarla Quintana

Development of smoking trends among young people in 2022-2024 in Ukraine
Volodymyr Tsmok (Vinnytsia, Ukraine), Mariia Shevnia, Oksana Poberezhets, Mykola Stanislavchuk, Arnab Das, Rahul Debath

Evaluation of the INSPIRE Respiratory Health Program for Smoking Cessation and patient's satisfaction

SMAD4 promotes the EMT during cigarette smoke-induced airway remodeling in COPD by interacting with O-GlcNAc transferase
Yan Wu (Wuxi, China), Ziteng Wang, Yu Ding, Shulun Huang, Jinyan Yu, Lingjia Yang, Hongjing Gong, Zhen Yu, Rongguo Lu, Tao Bian

Exploring the Smoking-Epilepsy Nexus: A Systematic Review and Meta-Analysis of Observational studies
Eunjong Son (Yangsan-si, Republic of Korea), Yun Hak Kim

Airway deficiency of specific miRNAs impairs Drosophila tracheal development and lifespan
Leizhi Shi (Borstel, Germany), Birte Erhardt, Thomas Roeder, Susanne Krauss-Etschmann

Characteristics of acute exacerbation in COPD according to the intensity of tobacco intoxication
Sarra Ben Sassi (ariana, Tunisia), Ines Moussa, Hana Marri, Mariem Friha, Imen Sahnoun, Leila Douik El Gharbi

Poster session: Lung function and physical activity in ex-preterm infants and children with asthma

Session 467 12:30 - 14:00
Poster session: Lung function and physical activity in ex-preterm infants and children with asthma

Trend analysis of the occurrence of asthma and respiratory symptoms in Polish children over the last 30 years.
Grzegorz Brożek (Katowice, Poland), Bartosz Nowak, Aleksandra Gil, Piotr Nakiela, Jan Zejda

Epidemiology of asthma in children in Kazakhstan: Data from Unified National Electronic Health System 2014-2021
Dmitry Sysoyev (Astana, Kazakhstan), Kamilla Mussina, Abdurazak Gaiypov, Dimitri Podighe, Dinara Galiyeva

Environmental tobacco smoke exposure among children: findings from the Swiss Paediatric Airway Cohort
Tayisiya Krasnova (Kyiv, Ukraine), Masa Zarkovic, Sarah Glick, Carmen Casaulta, Alexander Moeller, Nicolas Regamey, Claudia E Kuehni
Visible damp in a child’s bedroom but not elsewhere in the house is associated with respiratory symptoms and inhaler requirement in early life: a multi-centre cohort study
Tom Ruffles (Hove, United Kingdom), Sarah Ingliss, Anjum Memon, Paul Seddon, Kaninika Basu, Stephen Bremner, Heike Rabe, Somnath Mukhopadhyay, Katy Fidler

Physical activity in children with asthma: Associations with climatic, environmental, anthropometric and clinical parameters.
Panayiotis Kouis (Nicosa, Cyprus), Jane Berill, Peter James, Antonis Michanikou, Emmanouil Galanakis, Eleni Michaelidou, Paraskevi Kinni, Nikos Kalivitis, Giorgos Kouvarakis, Emily Vasiliadou, Chrysanthos Savvides, Filippos Tymvios, Panayiotis Yiallouros, Petros Koutrakis

Late Breaking Abstract - Pre- and postnatal air pollution’s association with infant microbiome and respiratory symptoms
Noëmi Künstle (Basel, Switzerland), Olga Gorlanova, Céline Rüttimann, Nadja Mostacci, Martin Röösli, Kees De Hoogh, Benjamin Flückiger, Carla Rebeca Da Silva Sena, Ruth Steinberg, Insa Korten, Sophie Yammine, Sven Schulzke, Philipp Latzin, Markus Hilty, Urs Frey

Asthma exacerbations and inhaled corticosteroid use in pregnancy and child asthma
Bronwyn Brew Haasdyk (Stockholm, Sweden), Vanessa Murphy, Tong Gong, Helga Zoega, Alys Havard, Annelies Robijn, Awad Smew, Gustaf Rejno, Cecilia Lundholm, Catarina Almqvist

Maternal asthma and lung function during pregnancy, childhood asthma and growth, the MAESTRO-Child study
Emma Caffrey Osvald (Stockholm, Sweden), Cecilia Lundholm, Bronwyn K Brew, Hanna Karim, Gustaf Rejno, Samuel A Rhedin, Catarina Almqvist

The association between low birth weight and pulmonary function in infants
Nadav Juven Wetzler (Kiryat Ono, Israel), Avigdor Hevroni, Oded Breuer

EARLY ARREST OF LUNG DEVELOPMENT AND ITS IMPACT ON CHILDREN’S AIRWAY RESISTANCE
Elida Duchás Mesa (Bogotá, Colombia), Pedro Vargas-Duque, Daniela Cleves, Lizbeth Pernett, Maria Valderrama, Mauricio González-García

Forced Oscillation Technique (FOT) - the new era in diagnostics of obstructive diseases in children
Plamena Stoimenova (Plovdiv, Bulgaria), Stoilka Mandadzhieva, Blagoi Marinov, Kostadin Ketev

Forced-oscillometry indices to assess the response to ICS-LABA combination and the improvement of airway inflammation in asthmatic children
Elpis Hatziagorou (Thessaloniki, Greece), Christos Kogias, Athina Sopiadou, Sotirios Fouzas, Petrina Vantsi, Elisavet-Anna Chrysochou, Maria Galogavrou

IMPULSE OSCILLOMETRY REFERENCE VALUES FOR TURKISH CHILDREN AGED THREE TO EIGHT YEARS
Enrico Lombardi (Florence, Italy), Ozge Yilmaz, Seda Tunca, Adem Yaşar, Hasan Yuksel

Normal peak expiratory flow values in Malagasy children of Bantu origin
Simone Scarlata (Roma (RM), Italy), Michele Arigliani, Alessandro Ruggiero, Martina Pacillo, Alex Cucco, Cristina Melloni, Andrea Salvatori, Francesco De Maria, Dafne Marcelli, Olga Ciavarella, Francesco Mendicelli, Eugenio Refrigeri, Mariafrancesca Russo, Chiara Repaci, Matteo Ferri, Sara Fontanelle, Gianluigi Mottini

Acceptability of remote lung function testing using portable spirometry devices: perspectives of children and young people with respiratory conditions and their caregivers.
Nicki Barker (Sheffield (South Yorkshire), United Kingdom), Louis Stokes, Evie Robson, Oliver Price, Paul Burns, Emma Fettes, Moira Gibbons, Heather Elphick, Joe Sails

Defining the optimal spirometry cut-off points for optimal bronchodilator response in prematurity associated lung disease
John Lowe (Cardiff (South Glamorgan), United Kingdom), Kylie Hart, Michael Cousins, Sarah Kotecha, John Watkins, Sailes Kotecha

Exercise induced bronchial constriction and bronchodilator reversibility in prematurely born children aged 4-8
Pascal Keijzer (Enschede, Netherlands), Frans De Jongh, Anton Van Kaam, Boony Thio

Comparison of lung function in preterm infants at 36 and 44 weeks postconceptional age
Raphaela Kleiner (Biel/Bienne, Switzerland), Yasmin Salem Mahmoud, Marion Cudy, Florian Wyler, Urs Frey, Philipp Latzin, Sophie Yammine

Pediatric obstructive sleep apnea (OSA) correlates with elevated levels of nocturnal blood pressure (BP)
Autism spectrum disorder in young patients with congenital central hypoventilation syndrome: role of the autonomic nervous system dysfunction
Benjamin Dudoignon (Paris, France), Anna Maruani, Richard Delorme, Maxime Patout, Mylène Fefeu, Pierre Ellul, Plamen Bokov, Christophe Delclaux

Poster session: Insights into paediatric respiratory challenges: from clinical studies to biomarker profiling

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

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

**Tag(s):** Clinical, Translational

**Chairs:** Stefan Unger (Edinburgh, United Kingdom), Eva Steinke (Berlin, Germany)

**PA4942**
The Association Between Radiological Scores and Clinical Severity of Childhood Pulmonary Tuberculosis
Beste Özsezen (Ankara, Turkey), Feyza Kabar, Tugba Ramaşlı Gursoy, Pelin Asfuroğlu

**PA4943**
Tuberculosis in children using biological agents: A nationwide study
Tuğba Şğınmanlar Eyuboglu (Ankara, Turkey), Ayta Ğana Aslan, Volkan Medeni, Sinem Can, Naim Ata, M. Mahir Ulgu, Suayip Birinci

**PA4944**
Late Breaking Abstract - Patient stratification of two asthma populations reveal distinct genetic and mechanistic differences between T2-high and T2-low asthma
Colin Stubberfield (Witney, United Kingdom), Krystyna Taylor, Sayoni Das, Matthew Person, Jim Kozubek, Steve Gardner

**PA4945**
Ureaplasma-induced impairment of alveolar epithelial Na⁺ transport and its underlying mechanism. Mandy Laube (Leipzig, Germany), Elisabeth Paluszkiewicz, Carl-Bernd Rieger, Ulrich Thome, Kirsten Glaser

**PA4946**
The role of miR-146a on experimental lung inflammation: two sides of the same coin
Ralf Schubert (Frankfurt, Germany), Lucia Gona, Ruth Pia Duecker, Silvija Pera Jerkic, Jordis Trischler, Andreas Geburtig-Chiocchetti, Katharina Blumchen, Stefan Zie len

**PA4947**
Proteomic profiling of bronchoalveolar lavage fluid in children with chronic pulmonary aspiration
Nadine Freitag (Krefeld, Germany), Marc Driessen, Dirk Schramm

**PA4948**
Assessing indicators of severe human metapneumovirus respiratory tract infections in children
Airin Ğerone (Ljubljana, Slovenia), Tina Uriś, Simona Bizjak Vojinović, Jasna Rodman Berlot

**PA4949**
Acute respiratory illness among Tunisian infants and use of antibiotics: Insights from 2006 and 2018 Multiple Indicator Cluster Surveys
Arwa Neffati (Tunis, Tunisia), Hind Bouguerr, Aouateft Touihri, Seifeddin Rhouma, Chokri Zoghlemi, Dali Oussama, Ali Mrabet

**PA4950**
The use of the tidal breathing flow-volume loop (TBFVL) in full-term newborns as a predictive tool for the risk of lower respiratory tract pathologies: an observational study
Maria Giulia Conti (Roma, Italy), Laura Petrarca, Enrica Mancino, Greta Di Mattia, Domenico Paolo La Reginna, Luigi Matera, Francesca Pulcinelli, Antonella Frassaneto, Fabrizio Virgili, Raffella Nenn, Fabio Midulla

**PA4951**
Short course of systemic steroids (SCSS) for respiratory diseases during infancy and final adult height. A 20-year prospective birth cohort study.
EVANGELIA KOUTRA (ATHENS, Greece), Lampidi Stavroula, Lampidi Thaleia, Gorou Krystallia, Athina Papadopoulou

**PA4952**
Clinical characteristics and outcomes of children with pleural empyema: a prospective cohort study
Deepa Patel (Leicester, United Kingdom), Manisha Ramphul, Erol A Gaillard, David K H Lo

**PA4953**
Application of Lung Ultrasonography in Pediatric Pulmonology
Mina Hizal (Ankara, Turkey), Oguz Bölük, Burcu Ceylan Cura Yayla

**PA4954**
Evaluation of vitamin D status effect on the outcome of children hospitalized with acute respiratory illnesses at a paediatrics referral hospital, Kenya
Justus Simba (Thika, Kenya), Hannah Wanjiku, Everlyne Agisa, Renson Mukhwana, Joan Ruguru, Thomas Ngwiri, Rebecca Nantanda, Helen Nabwera, Ian Sinha

**PA4955**
Healthcare providers awareness of protracted bacterial bronchitis in children in Ukraine
Oleksandr Mazulov (Vinnysia, Ukraine), Olena Rechkina, Svitlana Ilchenko, Olha Lyga, Serhii Rudenko
| **PA4956** | Evaluation of postinfectious bronchiolitis obliterans patients in the Childhood Interstitial Lung Diseases Registry of Türkiye |
| **Nilgün Kula, Ayşe Tana Aslan, Tuğba ŞİŞMANLAR EYÜBOĞLU, Handan Kekeç, Sinem Can Oksay, Gülay BİLGİN, Aslı İMRAN YILMAZ, Hanife TUĞÇE ÇAĞLAYAN, Ece ÖEK, Figen GÜLEN, Halime NAYİR BÜYÜKŞAHİN, Birce SUNMAN, Hanife BÜŞRA KÜÇÜK, Erkan ÇAKR, Aysen BINGÖL, Abdurrahman Erdem BAŞARAN, Fazılcan ZİREK, Merve Nur TÈKİN, Çiğdem KORKMAZ, Bülent KARADAĞ, Ela ERDEM ERLAP, Melih HANGİL, Sule SELİN SOYDAS, Mehmet KÖSE, Beste ÖZSEZEN, Tuğba RAMASLI GÜRŞÖY, Zeynep SEDA UYAN, Cansu YILMAZ YEŞİLT, Saniye GIRIT, Sevgi PEĆKAN, Nagehan EMİRARIOĞLU ORDUKAYA, Ebru YAŞÇIN, Nazan KOÇANOĞLU, Ayşe AYİZ YILIÇ, Yasemin GÖKDEMİR, Güzin CINEL, Diclehan ORHAN, Berna ÖGUZ, Ahmet CEVDET CEYLAN, Nural KIPER |

| **PA4957** | Clinical characteristics of initial respiratory insult in children subsequently diagnosed with Post infectious Obliterative Bronchiolitis. |
| **Sonal KANSRA, Emily HAYES, Kelechi UGONNA** |

| **PA4958** | Outbreak of Post-infectious Bronchiolitis Obliterans (PIBO) post adenovirus infection. A case series and review of the literature |
| **Sergio GHIRARDO, Arianna TRAUNERO, Malena ALDECO, Paola PASCOLO, Laura MAZZARI, Massimo MASCHIO, Alessandro AMADEO, Uros KRIVEC** |

| **PA4959** | Late Breaking Abstract - Can newborns with bronchiolitis effectively use a metered-dose inhaler with spacer? |
| **Marcelina KUREK, Alicja SMOLEŃSKA, Justyna MAŁYSKA, Kamil JANECZEK, Andrzej EMERYK** |

| **PA4960** | Late Breaking Abstract - An interventional crossover study on effectiveness air cleaning on incident infections in day care |
| **Ville VARTIAINEN, Johanna HELA, Anni LUOTO, Jussi-Pekka JUVULA, Petra NIKURI, Aimo TAIPALE, Natalia LASTOVETS, Sampo SAARI, Ilpo KULMALA, Arto SÄIÄMÄNEN, Enni SANMARK, Piia SORMUNEN** |

| **PA4961** | Late Breaking Abstract - Early detection of bloodstream infection using artificial intelligence in critically ill children |
| **Hye-ji HAN, Kyunghoon KIM, Bonjin LEE, June Dong PARK** |

**PS-2 Session 469 12:30 - 14:00**

**Poster session: Extending current components and outcomes of pulmonary rehabilitation for COPD**

**Disease(s):** Airway diseases, Pulmonary vascular diseases, Respiratory critical care

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

**Tag(s):** Clinical

**Chairs:** Frits M.E. Franssen (Maastricht, Netherlands), Marine Van Hollebeke (Leuven, Belgium)

| **PA4962** | Effects of elastic tape during pulmonary rehabilitation in moderate to very severe COPD: An RCT |
| **Juliana M.B. SANTOS, Thiago PINTO, Estefane C.M. REIS, Cibele C.B. MARQUES DA SILVA, Fabiano F. DE LIMA, Albert CUKIER, Regina M. CARVALHO-PINTO, Celso F. CARVALHO** |

| **PA4963** | Novel versus traditional inspiratory muscle training regimens in COPD |
| **Martin HARTMAN, Filip DOSBABA, Magno F FORMIGA, Ladislav BATALIK, Kristian BRAT, Marek PLUTINSKY, Lawrence P CAHALIN** |

| **PA4964** | Assessing patient goal attainment before and after pulmonary rehabilitation: a call for measurement development and assessment |
| **Sara SOUTO-MIRANDA, Guilherme Rodrigues, Martijn SPRUIT, Alda MARQUES** |

| **PA4965** | Exercise intensity and energy balance in COPD: A randomized controlled trial. |
| **Tomoyuki IKEUCHI, Kazuya SHINGAI, Katsuyuki ICHIKI, Takeo JIMI, Tetsuya KAWANO, Kaori KATO, Toru TSUDA** |

| **PA4966** | Effectiveness of a hybrid home-based pulmonary rehabilitation programme after hospitalisation for COPD-exacerbations: preliminary results. |
| **Sarah GEPHINE, Perenchies, France, Jean-Marie Grosbois, Olivier Le Rouzic, Cécile Chenivesse** |

| **PA4967** | Interval training in COPD patients with chronic respiratory failure: a feasibility and comparative study |
| **Mara PANNERI, Mazzano (BS), Italy, Ioannis VOGIATZIS, Beatrice SALVI, Laura BERTACCHINI, Michele VITACCA** |

<p>| <strong>PA4968</strong> | Comparison of the effects of different high intensity interval training protocols on exercise capacity and dyspnea in COPD: a systematic review |
| <strong>İrem SÜZEN, Aynur DEMIREL</strong> |</p>
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<tr>
<th>PA4969</th>
<th>Effects of the Combination of Pulmonary Rehabilitation and Cognitive Behavior Therapy on Depression in Elder Patients with Chronic Obstructive Pulmonary Disease</th>
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<td>Huijie Hou (Tian Jin, China), Yiman Li, Yang Yu, Zhijing Shi, Zhe Chen</td>
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<tr>
<th>PA4970</th>
<th>The effects of pulmonary rehabilitation on inflammatory biomarkers in patients with chronic obstructive pulmonary disease: A systematic review and meta-analysis</th>
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<td>Anastasia Newman (Hamilton, Canada), Christopher Farley, Ana Oliveira, Parameswaran Nair, Roger Goldstein, Dina Brooks</td>
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<tr>
<th>PA4971</th>
<th>Exploring the effects of inhaled corticosteroids on endothelial function in COPD patients undergoing an intensive pulmonary rehabilitation program</th>
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<td>Claudio Candi (Naples, Italy), Pasquale Ambrosino, Carmen Lombardi, Claudia Merola, Salvatore Fuschiello, Silvestro Ennio D’Anna, Filomena Tafuro, Antonio Molino, Mauro Maniscalco</td>
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<tr>
<th>PA4972</th>
<th>Preferences of patients with chronic obstructive pulmonary disease (COPD) leading to their choice between center-based or home-based pulmonary rehabilitation.</th>
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<td>ALEXANDRE LECLERCQ (LOOS, France), Olivier Le Rouzic, Axelle Detree, Jean-Marie Grosbois, Saïd Benkharraz, Didier Caparros, Cyrielle Jardin, Fabienne Radenne, Philippe Ramon, Fabienne Sález, Alain Strecker, Gaëlle Terce, Laurence Thirard</td>
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<th>PA4973</th>
<th>Towards a remote deployment of the assessment of physical capacities of patients with COPD: feasibility and validity of the SSTS</th>
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<td>Esperance Moine (Lodeve, France), Nicolas Oliver, Florine Barbaste, Virginie Molinier, François Alexandre, Maurice Hayot, Nelly Heraud</td>
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<tr>
<th>PA4974</th>
<th>Self-reported maintenance training in patients with COPD – a 56 months’ follow-up study after initial pulmonary rehabilitation</th>
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|        | Mette Kaasgaard (Nordhavn, Copenhagen, Denmark), Uffe Bodtger, Sören T. Skou, Stephen Clift, Ole Hilberg, Daniel Bech Rasmussen, Anders Løkke |}

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<th>PA4975</th>
<th>What are the predictors and reasons for refusing to engage in a maintenance pulmonary rehabilitation program?</th>
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<td>Francois Alexandre (Lodeve, France), Virginie Molinier, Espérance Moine, Sébastien Kuss, François Bughin, Antonin Vernet, Guillaume Coste, Amandine Calvat, Virginie Guerre, Nicolas Oliver, Maurice Hayot, Nelly Heraud</td>
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<th>PA4976</th>
<th>Pulmonary rehabilitation for acute and stable COPD: a systematic review and network meta-analysis</th>
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<td>Chien-Hua Tseng (New Taipei City, Taiwan), Tzu-Tao Chen</td>
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<th>PA4977</th>
<th>Breathing life into referrals: consumer co-design enhances pulmonary rehabilitation access in COPD</th>
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<td></td>
<td>Sarah Hug (Perth (WA), Australia), Vinicius Cavalheri, Daniel Gucciardi, Kylie Hill</td>
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<tr>
<th>PA4978</th>
<th>Investigation of Disease Status, Dyspnea Severity, and Symptoms According to Exercise Habits in COPD Patients Completing Pulmonary Rehabilitation Program</th>
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<td>Melissa Köprüülüoglu (İzmir, Turkey), İlknur Naz, Elvan Felekoğlu, Hülya Doğan</td>
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<th>PA4979</th>
<th>Does pulmonary rehabilitation decrease frailty in COPD?</th>
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<td>Bethia Bradley (Chichester, United Kingdom), Ceri Allman, Victoria Bulbeck</td>
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<tr>
<th>PA4980</th>
<th>Benefit of pulmonary rehabilitation in frail COPD and other chronic lung disease: A systematic review and meta-analysis</th>
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<td>Kola Akinlabi (London, United Kingdom), Bin Patel, Ana Maria-Bafà, Bunmi Adedajo, Meera Panchal, Mayowa Bakare, Patrick Mallia</td>
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<tr>
<th>PA4981</th>
<th>Changes in exercise capacity, symptom burden and mental health scores in individuals with chronic obstructive pulmonary disease pre and post the COVID-19 pandemic</th>
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<td></td>
<td>Elizabeth Dunphy (Easkey, Ireland), Philip Tonge, Feargal Helly, Sarah O'Beirne</td>
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### Session 470: Poster session: Twist and shout: all lung transplantation

**Time:** 12:30 - 14:00

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

**Method(s):** Transplantation, Cell and molecular biology, Respiratory intensive care, Physiology, Endoscopy and interventional pulmonology, Surgery, Imaging, Pulmonary function testing, General respiratory patient care

**Tag(s):** Clinical

**Chairs:** Letizia Corinna Morlacchi (Milano (MI), Italy), Chair to be confirmed

**Pre-transplant Angiotensin type 1 receptor antibodies are associated with acute kidney injury post-lung transplant**

Andrei Darie (Melbourne, Australia), Steven Hiho, Samantha Ennis, Bronwyn Levvey, Helen Shingles, Miranda Paraskeva, Kovi Levin, Glen Westall, Lucy Sullivan, Gregory Snell
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<tr>
<td>PA4983</td>
<td>Comparison between standard-release and extended-release tacrolimus in lung transplantation</td>
<td>Georgia Mitropoulou (Lausanne, Switzerland), Caroline Constantin, Mohamed Faouzi, Marie-France Derkenne, Thorsten Krueger, Angela Koutsokera</td>
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<td>PA4984</td>
<td>Evolving trends in underlying etiologies for lung transplantation in Europe and outcomes</td>
<td>Emilie Hofstetter (München, Germany), Robin Vos, Michael Perch, José Manuel Cifrian Martinez, Giandomenico Manna</td>
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<td>PA4985</td>
<td>Early Predictors of Acute Kidney Injury after Lung Transplantation: a prospective observational study</td>
<td>Gloria Turconi (Gerenzano (VA), Italy), Marco Bosone, Margherita Andrea Brivio, Lorenzo Rosso, Letizia Corinna Morlacchi, Giacomo Grasselli, Vittorio Scaravilli</td>
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<td>PA4986</td>
<td>Central versus peripheral adaptations after lung transplantation in end-stage COPD</td>
<td>Camilla Koch Ryrsø (Frederiksberg, Denmark), Thomas Kromann Lund, Pia Thaning, Lasse Gliemann, Michael Perch, Jacob Peter Hartmann, Ida Kaer Thorsen, Gregers Winding Munch, Bente Klarlund Pedersen, Ylva Hellsten, Ronan M. G. Berg, Ulrik Winning Iepsen</td>
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<td>PA4987</td>
<td>Pregnancy Outcomes and Management in Lung and Heart Transplant Recipients: A Systematic Review</td>
<td>Vasiliki Gerovasili (London, United Kingdom), Aya Tanaka, Filippos T. Filippidis, Marie Line El Asmar, Anna Reed</td>
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<td>PA4988</td>
<td>Cytomegalovirus diagnosis in BALF of immunocompromised patients and its association to outcome</td>
<td>Theodora Zouvani (Freiburg, Germany), Meropi Karakioulaki, Kathleen Jahn, Leticia Grize, Eleni Papakonstantinou, Martina Hengel, Karoline Leuzinger, Hans H. Hirsch, Daiana Stolz</td>
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<td>PA4989</td>
<td>Herpes simplex virus in the bronchoalveolar lavage of immunocompromised patients with LRTI – results of a prospective study</td>
<td>Theodora Zouvani (Freiburg, Germany), Meropi Karakioulaki, Kathleen Jahn, Leticia Grize, Eleni Papakonstantinou, Martina Hengel, Karoline Leuzinger, Hans H. Hirsch, Daiana Stolz</td>
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<td>PA4990</td>
<td>Pulmonary vascular complications following lung transplantation: characteristics, incidence and survival</td>
<td>Adam Dehili (Lyon, France), Irene Hanot, Morgane Penhouet, Mehdi Lamkhoued, Eva Chatron, Isabelle Danner-Boucher, Emmanuel Eschapasse, Philippe Lacoste, Thierry Le Poivre, Claire Merveilleux Du Vignaux, Jean François Mormex, Arthur Patet, Adrien Tissot, Vincent Cottin, François Tronc, Segolene Turquier</td>
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<td>PA4991</td>
<td>High CD4/CD8 Ratio prior to Lung Transplantation is Associated with an Increased Risk of Primary Graft Dysfunction at 48 hours</td>
<td>Goncalo Ferrao (Prague, Czech Republic), Monika Svorcova, Miray Guney, Libor Fila, Jan Havlin, Robert Lischke, Andrea Zajacova</td>
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<td>PA4992</td>
<td>Correlation between diaphragmatic ultrasound and pulmonary function in patients after double-lung transplantation</td>
<td>Weidan Lu (beijing, China), Dandan Guo, Li Zhao, Wenhui Chen</td>
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<td>PA4993</td>
<td>Bilateral lung transplantation in severe chest asymmetry</td>
<td>Lorenzo Rosso (Milan, Italy), Paolo Mendogni, Giacomo Grisorio, Alessandro Palleschi, Letizia Corinna Morlacchi, Mario Nosotti</td>
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<td>PA4996</td>
<td>Results at 12 years of Lung Transplantation in the Chilean Public Healthcare System.</td>
<td>Joel Melo Tanner (Santiago, Chile), Felipe Cayupi, Juan Cuevas, Virginia Linacre, Claudia Sepúlveda</td>
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<td>PA4997</td>
<td>Clinical outcomes for COVID-19 in lung transplant recipients (LTRs): an insight from the early Omicron wave</td>
<td>Jaime Andrés Alvarado Castillo (Bogotá (Cundinamarca), Colombia), Björn Frye, Kateryna Gashynóva, Ina Hettich, Chará Nténti, Daiana Stolz</td>
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<td>PA4998</td>
<td>Encouraging clinical outcomes of an international lung transplantation program in the United Arab Emirates</td>
<td>Miriam Michalickova (Abu Dhabi, United Arab Emirates), Fadi Hamed, Yusuf Bayrak, Said Isse, Zaid Zoum, Vivek Kakar, Andres Obeso, Richard Acibar, Sandra El Hajj, Usman Ahmad</td>
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<td>PA4999</td>
<td>Characteristics and outcomes of intensive care readmissions within first year of lung transplantation: tertiary care center experience and current literature status</td>
<td>Abdul Hadi Afzal (Riyadh, Saudi Arabia), Ahmad Aljumaa, Reem Elmokattaf, Jihad Aljumaa, Judy Hejazi, Farooq Pasha</td>
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**Survival After Lung Transplant for Cystic Fibrosis in Portugal: A Single Center Experience**
Maria Marta De Sampaio Nunes Duarte Silva (Paço de Arcos, Portugal), Matilde Ferreira De Almeida, Filipa Canedo, Dionisio Maia, Paulo Calvinho, Luisa Semedo

**Complications and survival in COPD patients undergoing lung transplantation**
Luís Asencio Monteagudo (Sevilla, Spain), Virginia Almadana Pacheco, Cristina Benito Bernaldez

**Patterns of physical activity during pulmonary rehabilitation (PR) in people with COPD**
Joshua Bishop (Balmain, Australia), Lissa Spencer, Tiffany Dwyer, Zoe Mckeeough, Amanda Mcanulty, Sonia Cheng, Jennifer Alison

**Determinant factors of sedentary time in individuals with COPD**
Fabio De Oliveira Pitta (Londrina, Brazil), Thais M. Tofoli, Lais Santin, Leticia Medeiros, Isabella O. Garcia, Humberto Silva, Carlos A. Camillo, Karina C. Furlanetto, Nidia A. Hernandes

**Interventions to promote physical activity and reduce sedentary behaviour in COPD: systematic review of methodologies**
Nádia Hipólito (Leiria, Portugal), Sara Pimenta, Jorge Encantado, Joana Cruz

**Change in physical activity outcomes versus global rating of change scale**
Astrid Blondeel (Leuven, Belgium), Fien Hermans, Marieke Wuysts, Sofie Breuls, Eric Derom, Wim Janssens, Heleen Demeyer, Thierry Troosters

**Effects of aerobic training versus behavioral intervention to improve clinical control in patients with asthma: a RCT**
David Halen Araújo Pinheiro (São Paulo, Brazil), Fabiano Francisco De Lima, Ronaldo Aparecido Da Silva, Vitoria Zacarias Cervera, Yan Anderson Pires De Oliveira, Juliana De Melo Batista Dos Santos, Alfredo José Da Fonseca, Regina Maria Carvalho-Pinto, Celso. R. F. Carvalho

**Is the motivational regulation for exercise associated with disease severity and current exercise capacity after exacerbation of chronic obstructive pulmonary disease (ECOPD)? Preliminary results**
Debora Mayumi de Oliveira Kawakami (Sao Carlos, Brazil), Manuela Karloh, Gustavo Henrique Guimarães Araújo, Maria Gabriela Colucci, Valêria Amorim Pires Di Lorenzo, Cleicy Lorrane Fernandes Da Silva, Julia Sallum Mansano, Renata Gonçalves Mendes

**Feasibility of physical activity telecoaching after surgery in patients with NSCLC**
Sarah Haesevoets (Diepenbeek, Belgium), Eva Arents, Dries Cops, Kirsten Quadflieg, Fien Hermans, Maarten Criel, David Ruttens, Karin Pat, Dieter Stevens, Veerle Surmont, Eric Derom, Chris Burtin, Heleen Demeyer

**The association between the one-minute sit-to-stand test and physical activity in patients with COPD following pulmonary rehabilitation**
Paulien Mellaerts (Leuven, Belgium), Heleen Demeyer, Tim Vanhoutte, Astrid Blondeel, Sofie Breuls, Marieke Wuysts, Iris Coosemans, Lode Claes, Nele Vandenbergh, Kaat Beckers, Stephanie Everaerts, Wim Janssens, Thierry Troosters

**Physical activity and asthma clinical control: how many steps per day are necessary?**
Fabiano de Lima (Sao Paulo, Brazil), David Pinheiro, Juliana Dos Santos, Adriana Lunardi, Joice De Oliveira, Patricia Freitas, Fabiana Kim, Rosana Agondi, Regina Carvalho-Pinto, Karina Furlanetto, Celso Carvalho

**More social support for physical activity improves functional capacity in children with cystic fibrosis**
Vildan Bayraktaroglu (Istanbul, Turkey), Zeynep Selçuk, Seda Saka, Erkan Çakır

**PR Plus+: Maintenance programmes following Pulmonary Rehabilitation: The patient perspective**
Roisin Cahalan (Limerick (Co Limerick), Ireland), Niamh Coffey, Lauren Kennedy, Maire Curran, Brian Fitzgibbon
Oxygen consumption physical activity and fatigue in patients with pulmonary involvement post-COVID-19: A cross-sectional study
Ece Baytok (Ankara, Turkey), Başak Kavalcı Kol, Nilgün Yılmaz Demirci, Meral Boşnak Güçlü

People post-COVID-19 experience long-term decline in physical activity
Nicola Sante Diciolla (Madrid, Spain), Alda Marques, Ana Jiménez-Martín, Sara García-De Villa, María Torres-Lacomba, María José Yuste-Sánchez

Characteristics of responders in a behavioral intervention to increase physical activity in asthma: a prospective pragmatic study
Fabiano de Lima (São Paulo, Brazil), David Pinheiro, Juliana Dos Santos, Yan De Oliveira, Adriana Lunardi, João De Souza, Pedro Giavani-bianchi, Rosana Agondi, Regina Carvalho-Pinto, Celso Carvalho

Upper extremity exercise capacity muscle oxygenization balance and physical activity in patients with cystic fibrosis
Betül Yoleri (Ankara, Turkey), Tuğba Şişmanlar Eyüboğlu, Ayşe Tana Aslan, Meral Boşnak Güçlü

Adherence to exercise: self-reported motivation and symptoms during cancer treatment should be considered in people with lung, head or neck cancer
Isis Grigoletto (Presidente Prudente, São Paulo, Brazil), Matheus Predoso, Karina Pozo, Paloma Borges, Leticia Vilas Boas De Oliveira, Sarah Helena Cristina Da Silva Martins, Livia Maria Regio Dos Santos, Giovana Miranda Ribeiro, Carlos Augusto Marçal Camillo, Vinicius Cipulo Ramos

Activities of daily living and related factors in patients with severe COPD
Seda Saka (İstanbul, Turkey), Hulya Nilgün Gurses, Fatmanur Okyaltırık

The Effect of Single-Leg Exercises on Pulmonary Function, Fatigue and Dyspnea in Patients with COPD: Systematic Review
Alper Kemal Gürbüz (Kirikkale, Turkey), Aynur Demirel

Practical recommendations for exercise training in long COVID with or without post-exertional malaise – A best practice proposal
Rainer Gloeckl (Schoenau am Königssee, Germany), Ralf Zwick, Ulrich Führlinger, Tessa Schneeberger, Daniela Leitl, Inga Jarosch, Uta Behrends, Carmen Scheibenbogen, Rembert Koczulla

The impact of iLiFE on informal carers of people with ILD
Cátia Paixão (Aveiro, Portugal), Bárbara Costa, João Chagas, Dina Brooks, Alda Marques

Association Between Functional Tests and Mortality in Patients with Interstitial Lung Disease
Carlos Augusto Camillo (Londrina (PR), Brazil), Humberto Silva, Heloise Angelico Pimpão, Larissa Dragonetti Bertin, Gabriela Garcia Krinski, Fabio Pitta

IS IT POSSIBLE TO IDENTIFY A PHENOTYPE OF ILD PATIENTS WITH A HIGHER RISK OF MORTALITY?
Carlos Augusto Camillo (Londrina (PR), Brazil), Gabriela Garcia Krinski, Heloise Angelico Pimpão, Larissa Dragonetti Bertin, Humberto Silva, Leonardo De Marchi Lunardelli, Geovana Alves Do Prado, Fabio Pitta

Clinical Significance of 30-Second Sit-to-Stand Test in Patients with Idiopathic Pulmonary Fibrosis
Özge Ertan Harputlu (İstanbul, Turkey), Buket Akinci, Gökşen Kuran Aslan, Melike Sarıtaş Arslan, Gülfer Okumuş

Frailty & muscle mass loss prevalence in patients with diffuse parenchymal lung diseases and its effect on mortality: a systematic review
Irem Seleoglu (Ankara, Turkey), Aynur Demirel

A preliminary study on the effects of neuromuscular electrical stimulation in idiopathic pulmonary fibrosis
Özge Ertan Harputlu (İstanbul, Turkey), Buket Barutçu Akinci, Goksen Kuran Aslan, Melike Sarıtaş Arslan, Nigar Gulfer Okumuş

The Relationship Between Functional Capacity, Muscle Strength and Kinesiophobia in Patients with Idiopathic Pulmonary Fibrosis
BILGE GORE (ANKARA, Turkey), Oguz Karcıoglu, Aynur Demirel
Comparison of muscle oxygenation, dyspnea, oxygen uptake and energy expenditure during upper and lower limb cardiopulmonary exercise test in patients with ILD
Beyza Nur Öymez (Ankara, Turkey), Meral Boşnak Güçlü, Nilgün Yılmaz Demirci

The impact of an AECOPD on functional performance
Fien Hermans (Gent, Belgium), Eva Arents, Astrid Blondeel, Marieke Wuyts, Thierry Troosters, Nina Cardinaels, Eric Derom, Heleen Demeyer

Frailty in adults hospitalised due to acute exacerbation of chronic lung disease: a comparison of assessment methods.
Christian Osadnik (Melbourne, Australia), Jared Chan, Carla Gordon, Winnie Deng, Jessica Lam, Jiyoon Jung

Evaluation of falls in recurrent COPD fallers: a cross-sectional and follow-up study
Caroline Maschio de Censo (São Paulo, Brazil), Viviane V. Passini, Bárbara A.T.A. Verri, Regina M. Carvalho-Pinto, Rafaela F. Xavier, Geraldo Lorenzi-Filho, Celso R.F. Carvalho

Association between lung function with postural balance and falls in individuals with moderate to very severe COPD: a cross sectional study and follow up
Barbara Alcantara Verri (Sao Jose dos Campos, Brazil), Caroline M. Seno, Juliana M. B. Santos, Raafella F. Xavier, João M. Salge, Regina M. Carvalho-Pinto, Celso R.F. Carvalho

Different fiber-specific expression of protein synthesis and oxidative metabolism in skeletal muscle of COPD and healthy aged individuals
Luís Penalillo (Providencia, Chile), Cristian Campos, Sebastián Gutierrez, Denisse Valladares-Íde, Sebastián Janas-Vela, Marcelo Flores-Opazo, Claudio Cabello-Verrugio, Pilar Parada, Laura Mendoza, Mauricio Jalon, Ingrid Nuñez

Reproducibility of three six-minute walk tests in COPD patients referred for pulmonary rehabilitation
Jeannet Delbressine (Horn, Netherlands), Anouk V. Vaes, Wieteteke A.M. Stoop, Dirk Van Ranst, Martijn A. Spruit, Alex J. Van T’Hul

Examination of Factors Associated with Fatigue in COPD Patients
Büşra Turgut (Izmir, Turkey), Ilknur Naz Gürsen, Nuray Sarcaoglou

Comparison between standard 6 minutes field walk test and walking pad for functional evaluation in patients with chronic lung disease
Nuwara Pornawalai (Nonthaburi, Thailand), Amornpun Wongkarnjana

Short- and long-term reliability of the 1-minute sit-to-stand test in patients with COPD.
William Poncin (Bruxelles, Belgium), Hang Nguyen Thi Thu, Bao Le Khac

Psychometric properties of the 1-sit-to-stand test in pulmonary hypertension
Vanessa Resquei (Natal (RN), Brazil), Natália Cardoso, Ilza Priscila Santos, Joceline Sá, Anna Beatriz Fontes, Lariza Costa, Rodrigo Torres-Castro, Isabel Blanco, Guilherme Fregonezi

Gait analysis in patients with chronic obstructive pulmonary disease
Hidaye YAMIKAN (ANKARA, Turkey), Nihat Ozgoren, Serdar Aritan, Oguz Karcioglu, Aynur Demirel

Cardiorespiratory response of the incremental step test in people with chronic obstructive pulmonary disease
Ana Leonor Cardoso (Lisbon, Portugal), Fátima Rodrigues, Cátia Caneiras, Antônio Mesquita Montes, Rui Vitlarinho

Validation of machine learning algorithms for differentiating tuberculous from malignant pleural effusion.
Srinivasa Ikswaja Chelluri (Pune, India), Amarnath Prasad, Jason Singh Johal, Saurabh Sharma, Siddhartha Kakani, Medha D Bargeje

Complement component C1q as a novel biomarker in diagnosing Tubercular Pleural Effusion – an Observational Comparative Study.
VENKAT RAJ G (VARANASI, India), Deepak Shah, Munish Gupta

Diagnostic accuracy of adenosine deaminase in GeneXpert positive tuberculosis pleural effusion.
Zulfqar Ali Detho (Karachi, Pakistan), Faisal Faiyaz Zuberi
| PA5045 | Use of Lateral Flow pleural fluid Lipoarabinomannan assay on the differential diagnosis of pleural tuberculosis. | Mariana Rufino (Rio de Janeiro, Brazil), Samara Coelho, Thiago Mafort, Rogério Rufino, Ana Paula Dos Santos, Luciana Rodrigues |
| PA5046 | The role of pleural biopsy in the diagnosis of pleural tuberculosis. | Luis Alexandre Duarte Mateus (Lisboa, Portugal), Sofia Pimentel, Sofia Fontão, Maria Cavaco, André Nunes, Ricardo Cordeiro, Carina Silvestre, Joana Ferra, Daniel Duarte, Teresa Falcão |
| PA5047 | Retrospective study investigating the utility of pleural fluid ADA in diagnosing pleural TB | Meera Mehta (London, United Kingdom), Ben Hopwood, Osman Hatem, Clare Ross, Rudy Sinharay, Carl Reynolds, Onn Min Kon, Mirae Park |
| PA5048 | Predictive Factors for Tuberculous Peripheral Pulmonary Lesions During Radial Endobronchial Ultrasound in Tuberculous-Endemic Region | Sze Shyang Kho (Kuching (Sarawak), Malaysia), Swee Kim Chan, Chan Sin Chai, Siew Teck Tie |
| PA5049 | Endobronchial tuberculosis: Bronchoscopic features and microbiological correlation | John Muchahary (Shillong, India), Vijay Noel Nongpiur, Pranjal Kalita, Neeta Gogoi |
| PA5050 | Features of colposcopy in patients with various forms of pulmonary tuberculosis | Marufdjon Yuldashev (Tashkent, Uzbekistan), Nargiza Parpieva, Shaxnoza Zufarova |
| PA5051 | Effect of Corticosteroids in Tubercular Pleural Effusion - A Randomised control trial | Prachi Gupta (Delhi, India) |
| PA5052 | Role of ROSE during EBUS-TBNA in improving the microbiological yield in suspected mediastinal TB lymphadenopathy, a UK multi-centre cohort study. | Osman Hatem (London, United Kingdom), Mirae Park, Jadrinka Vidak, Geeja Srilal, Joan Nanna, Beatriz Tomas-Cordero, Meg Coleman, Laura Martin, Kavina Manalan, Giovanni Satta, Arnab Datta, Ashley Whittington, Sabhaya Khan, Kalia Parul, Michael Loebinger, Helen Burgess, Lianne Castle, Heinke Kunst, Ronan Breen, Anne Dunleavy, Mohammed Munavvar, Marc Lipman, Thomas Gorsuch, Pranabashis Haldar, Onn Min Kon |
| PA5053 | Delayed diagnosis and treatment in patients with Tuberculous Meningitis | Edward Lau (London, United Kingdom), Prasheena Naran, Alasdair Frater, Oscar Herrera, Akanksha Mimi Malhotra, Veronica White, Curtis Offiah, Heinke Kunst |
| PA5054 | Diagnostic barriers in gastrointestinal tuberculosis | Alasdair Frater (London, United Kingdom), Stephen Joseph, Amina Jama, Susan Dart, Prasheena Naran, Nicola Smallcombe, Akanksha Mimi Malhotra, Veronica White, Heinke Kunst |
| PA5055 | Interventional bronchoscopy in patients with endobronchial tuberculosis - a single center review | Hiroshi Handa (Kawasaki, Japan), Satoshi Tanaka, Kei Morikawa, Hiroki Nishime, Masamichi Mineshita |
| PA5056 | Factors determining the diagnostic delay of microscopy-positive pulmonary tuberculosis in the city of Agadir | Aboubekr Imzil (Agadir, Morocco), Abdelmajid Oulahbib, Salma Abdala, Hind Serhane |
| PA5057 | Yield of EBUS-TBNA in the diagnosis of mediastinal tuberculous lymphadenopathy | John Muchahary (Shillong, India), Vijay Noel Nongpiur, W. Valarie Lyngdoh, Pranjal Kalita |
| PA5058 | Tuberculous pleurisy and pregnancy | khadija miftah (CASABLANCA, Morocco), Nahid Zaghiba, Hanane Benjelloun, Khadija Chaanoun, Hanaa Harraz, Najiba Yassine |
| PA5059 | NON-TUBERCULOUS MYCOBACTERIA IN THE ELDERLY | Imanol Gonzalez Muñoz (Barakaldo, Spain), Jone Solorzano Eguibide, Edurne Echevarria Guerrero, Laura Cortezon Garces, Teresa Bretos Dorronsoro, Carlos Caldera Fernandez, Borja Santos Zorroza, M Victoria Leal Arranz, Julia Amaranta Garcia Fuentes, Landar Altube Urrengoechea, Eva Maria Tabernero Huguet |
| PA5060 | Clinical characteristics of patients with intstiitial lung disease complicated by pulmonary Mycobacterium avium complex disease | Masayuki Watanabe (Yokohama-city, Japan), Eri Hagiwara, Shinobu Sagawa, Tatsuya Muraoka, Satoshi Ikeda, Ryo Okuda, Hideya Kitamura, Tomohisa Baba, Shigeru Komatsu, Takashi Ogura |
| PA5061 | Tuberculosis pneumothorax: Prognostic factors for unfavorable outcome | Zaineb Ghizaoui (ariana, Tunisia), Amani Ben Mansour, Soumaya Ben Saad, Azza Slim, Hafaoua Daghhous, Fatma Tritar |
Disease(s) : Respiratory critical care | Airway diseases

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

Tag(s) : Clinical

Chairs : Bin Cao (Beijing, China), Anna Freeman (Southampton, United Kingdom)

| PA5062 | Study of impact of pneumococcal vaccine in hospitalised community acquired pneumococcal pneumonia cases: A single center experience |
|        | Shital Vishnu Patil (Latur (Maharashtra), India), Sandhidaya Tak, Abdul Wahab Mirza, Arpit Johar, Gurmaiker Singh Thethi |

| PA5063 | Diagnostic yield of BAL vs. non-invasive analysis in patients with CAP |
|        | Samuel Etienne (Basel, Switzerland), Werner Albrich, Mathias Pletz, Marcus Panning, Vivian Suarez Domenech, Frank Eberhardt, Grit Barten-Neiner, Daiana Stolz |

| PA5064 | Risk Factors on Multiple Drug-Resistant Organisms Infection in Patients with Nosocomial Pneumonia and Prognosis Assessment: A National-wide, Multi-center, Large Population, Retrospective Nested Case-control Study |
|        | Zhenchao Wu (Beijing, China), BeiBei Liu, Bei He, Jieming Qu, Ning Shen, Thoracic Society Pulmonary Infection Assembly Chinese |

| PA5065 | Characterising interferon responses in bronchiectasis patients in the EMBARC-BRIDGE study |
|        | Claire Baker (Dundee, United Kingdom), Lidia Perea, Morven K Shuttleworth, Jennifer Pollock, Chloe Hughes, Michal Shteinberg, Stefano Aliberti, Sanjay Chotirmall, Eva Polverino, Pieter Goeminne, Natalie Lorent, Felix Ringshausen, Rosa Faner, Oriol Sibila, Amelia Shoemark, Merete B Long, James D Chalmers |

| PA5066 | Clinical characteristics and outcomes of empyema thoracis amongst patients with diabetes mellitus |
|        | Kevin Shu-Leung Lai (Taipei, Taiwan), Kai-Ling Lee |

| PA5067 | Infection with Staphylococcus aureus in patients with bronchiectasis: data from the EMBARC registry |
|        | Jessica Rademacher (Hannover, Germany), Eva Polverino, Felix C. Ringshausen, Anthony De Soyza, Montserrat Vendrell, Pierre Régis Burgel, Charles S. Haworth, Michael R. Loebinger, Katerina Dimakou, Marlene Murris, Robert Wilson, Adam T Hill, Rosario Menendez, Antoni Torres, Tobias Welte, Francesco Blasi, Josie Altenburg, Michal Shteinberg, Wim Boersma, J Stuart Elborn, Peter Goeminne, Stefano Aliberti, James D Chalmers |

| PA5068 | External validation of risk scores for the outcome of COVID-19 on a 2-year Swiss cohort – A retrospective study |
|        | Maria Boesing (Liestal, Switzerland), Giorgia Lüthi-Corridori, David Büttiker, Mireille Hunziker, Fabienne Jaun, Ugne Vaskyte, Michael Brändle, Jörg Leuppi |

| PA5069 | Inflammatory and cardiac phenotypes are predictors for complications and outcomes in hospitalized COVID-19 patients |
|        | Catia Cilloniz Campos (Barcelona, Spain), Nonna Rovira, Ruben Lopez-Aladid, Ana Motos, Josep Lluis Bedini, Alba Soler-Comas, Sara Granero, Roberto Cabrera, Kasra Kiarostami, Blanca Llominch, Ignacio Español, Laia Fernandez-Barat, Antoni Torres |

| PA5070 | The association between inspiratory muscle strength and walking performance among people with post COVID-19 condition: an observational study. |
|        | Ilse Malinha (Joure, Netherlands), Jolanda Kuijvenhoven, Erwin Koster, Sander Perry |

| PA5071 | The impact of Non-Influenza Respiratory Viruses Infections on Emergency Department Utilization and Hospitalization |
|        | Dajiro Nabeya (Okinawa, Japan), Takeshi Kinjo, Wakako Arakaki, Nanae Ikemiyagi, Naoya Nishiyama, Shuhei Ideguchi, Hideta Nakamura, Makoto Furugen, Kazuya Miyagi, Tomo Kishaba, Kazuko Yamamoto |

| PA5072 | Proportion of non-ventilator associated Hospital Acquired Pneumonia associated with sepsis |
|        | Laura Pilling (Liverpool, United Kingdom), Sakina Ali, Stephen Aston, Daniel Wootton |

| PA5073 | The impact of an acute respiratory illness virtual ward (ARIVW) on a community respiratory service |
|        | David Barber (Warrington, United Kingdom), Vanessa Barry, Freddy Frost, Catherine Griffith, Omnor Hampson, Samantha Hayes, Rachel Penfold, Sarah Rickards, Sarah Sibley, Dennis Wat |

| PA5074 | Testing for respiratory syncytial virus (RSV) in Greek adults hospitalized with community-acquired pneumonia (CAP) |

| PA5075 | Retrospective analysis of isolated respiratory pathogens spectrum and antimicrobial resistance trends: a single center ten-years follow-up |
|        | Desa Nastasjevic Borovac (Niš, Republic of Serbia), Borislav Božanić, Tatjana Pejić, Marija Topalović |

ERS Congress 2024

DETAILED PROGRAMME

TUESDAY 10 SEPTEMBER, 2024
PA5076 Changes in the pulmonary surfactant in patients with mild COVID-19
Spela Kokelj (Göteborg, Sweden), Per Larsson, Emilia Viklund, Hatice Koca, Hanna Slogén, Lowie Vanfleteren, Bo Nilsson, Karin Fromell, Johan Westin, Anna-Carin Olin

PA5077 Management of patients with pleural infection in Greece: initial results of the ongoing PRACTICE (PleurAI nfeCTion in GreeCE) study
THEOFANI RIMPA (Athens, Greece), Chatzivasiloglou Foteini, Koulosouisa Electra, Konstantinidou Maria, Doulgerakis Eleutherios, Papadopoulos Kyriaki, Filippou Ioanna, Lampadakis Stefanos, Papasarantou Annita, Mouratidou Nefeli, Argyro Vrouvaki, Antonakis Emmanouil, Siopi Dimitra, Perlepe Garyfallia, Raptakis Thomas, Vlachantoni Iris, Iliopoulou Mariamthi, Sampsonas Fotios, Spyrotas Dionysios, Bakakos Petros, Loukidis Stylianos, Papanikolaou Ilias, Gourgoulianis Konstantinos, Kalomenidis Ioannis, Skouras Vasileios

PA5078 Clinical effectiveness and safety of simnatre forcibly/ritonavir and nirmatrelvir/ritonavir in the treatment of moderate to severe COVID-19 patients
Ji Chan Shi (Wenzhou, China), Xin Chen, Xiao Qing Lin, Fang Cheng, Shi Lin Zheng, Qiang Zhang, Te Wu

PA5077 Better post-acute sequelae COVID-19 observed in hospitalized COVID19 patients treated with remdesivir
Doroty Fesu (Érd, Hungary), Eniko Barczi, Balazs Csoma, Lorine Polivka, Gabor Horvath, Szilvia Sebok, Veronika Muller

PA5078 In-Hospital mortality for immunocompromised patients with SARS-CoV-2 community-acquired pneumonia (CAP)
Anna Stainer (Vigevano, Italy), Francesco Amati, Giovanni Sotgiu, Mariangela V Puci, Mattia Nigro, Linda Bussmini, Giulia Suigo, Valeri Cento, Michele Bartoletti, Antonio Voza, Stefano Aliberti

PS-25 Session 475 12:30 - 14:00
Poster session: Developing and assessing treatments for respiratory infection

PA5082 A RANDOMIZED CONTROLLED TRIAL OF POSACONAZOLE VS LIPOSOMAL AMPHOTERICIN B FOR TREATING PULMONARY MUCORMYCOSIS
Avadh Vithlani (chandigarh, India), Ritesh Agarwal, Shivprakash M R, Sahajal Dhooria, Inderpal Singh Sehgal, Prasad K T, Arunaloke Chakrabarti, Valliappan Muthu

PA5083 Prognostic implications of cluster analysis in patients with chronic bronchial infection under nebulized antibiotic therapy: A multicentre retrospective cohort study (INBREATHING STUDY)
Beatriz Raboso Moreno (Madrid, Spain), Ivan D. Benítez, Carlos Manzano, Sally Santisteve, Marcela Suarez, Aida Monge, Juan Pablo De Torres, Alicia Sayés, Eduardo José García, Ana Belén Alcaide, Javier Burgos, Ane Martínez De Las Fuentes, Joel-Suresh Lakhani, Cristina Pou, Marta Erro, Rosa Abril Castañon, Guillermo Suárez, David De La Rosa, Ferrán Barbé, Jessica González

PA5084 Inhaled colistimethate sodium in adult bronchiectasis patients with new asymptomatic Pseudomonas aeruginosa infection– an open-label, proof of concept- randomized controlled trial (ERADICATE)
Pontus Mertsch (Wolfratshausen, Germany), Constanze Maresch, Johannes Johow, Jobst Roehmel, Juergen Behr, Carmen Schade-Brittinger, Jessica Rademacher, Felix Ringshausen

PA5085 Impact of saline solution’s nebulisation on the biophysical properties of sputum in bronchiectasis
Victoria Alcaraz-Serrano (vilafranca del penedes, Spain), Beatriz Herrero-Cortina, Nona Rovira-Ribalta, Antoni Torres, Hector Sanz-Fraile

PA5086 Quality of life in adult bronchiectasis treated with long-term High flow therapy
Francesca Simioli (Napoli (NA), Italy), Anna Annunziata, Gerardo Langella, Antonietta Coppola, Rosa Cauteruccio, Giuseppe Fiorentino

PA5087 Erdosteine inhibits viral infection and modulates innate immunity and stress oxidative state in RSV-infected A549 cell
Sergio Strizzi (Milan, Italy), Fiammetta Danzo, Claudia Vanetti, Mara Biasin, Dejan Radovanovic, Pierachille Santos, Daria Trabattoni

PA5088 Risk factors for adverse events of trimethoprim-sulfamethoxazole treatment in patients with non-HIV-PCP: a multi-centre, retrospective observational cohort study
Reina Idemitsu (Kamogawa, Japan), Tatsuya Nagai, Haruka Fujioka, Yuya Homma, Ayumu Otsuki, Hiroyuki Ito, Kei Nakashima
Effectiveness of Prolonged Awake Prone Positioning in Preventing Intubation among Less Severely Patients with COVID-19-Related Acute Hypoxemic Respiratory Failure
Lietao Wang (Chengdu, China), Xin Fu, Min He, Lvyuan Shi, Dingyuan Wan, Wu Qin, Zhongwei Zhang

PA5090
Aliicin can effectively treat Aspergillus fumigatus by inhibiting the germination of conidia via oxidative stress.
Zhengu Li (Guangzhou, China), Feng Ye

PA5091
Advanced in vitro and ex vivo models provide a suitable platform for the evaluation of antiviral small molecules against human parainfluenza virus 3
Fabian Röpken (Hannover, Germany), Philippe Vollmer Barbosa, Stephanie Holt, Franziska Dahlmann, Armin Braun, Larissa Ditt, Ibrahim M. El Deeb, Patrice Guillot, Mark Von Itzstein

PA5092
Antiviral RNAi inhalation inhibits human parainfluenza infection ex vivo and in vivo
Philippne Vollmer Barbosa (Hannover, Germany), Franziska Dahlmann, Maximilian Schinke, Fabian Röpken, Josi Steinke, Helena Obermoltle, Valerie Benekne, Katherina Sewald, Sebastian Hook, Michael Ott, Dirk Schaudien, Katharina Schwarz, Adrian Schwarz, Axel Schambach, Armin Braun

PA5093
Effect of use of oral antiviral agents on reducing critical illness and mortality for patients with moderate to severe COVID-19
Zhao Jun Jin (JiaXing, China), Min Deng, Yi Min Chen, Ming Kai Tong

PA5094
Lack of diversity and socioeconomic inclusions in clinical trial protocols for long-term antibiotics in bronchiectasis: a systematic review
Natasha Smallwood (Melbourne (VIC), Australia), Freya Berenyi, Amy Pascoe, Jane Roberts

PA5095
The comparison of outcomes in community-acquired pneumonia treated azithromycin or doxycycline in combination with beta-lactams: A cohort study
Yewande Odeyemi (Washington, United States), Aysun Tekin, Caitlin Schanz, Diana Schreier, Kristin Cole, Ognjen Gajic, Erin Barreto

PA5096
Comparison of the effectiveness of Simnotrelvir/Ritonavir and Nirmatrelvir/Ritonavir in the treatment of COVID-19 moderate hospitalized patients with severe high-risk factors
Yu Ting Zhang (Hangzhou, China), Jia Ping Gu, Jia Yun Chen, Huan Wang, Ji Yun Zhou, Xiao Qiang Zhang

PA5097
Non-invasive ventilation in the management of bronchiectasis
Rachel Dexter-Spooncer (Sheffield, United Kingdom), Felicity Dickens, Ari Manuel, Sriram Iyer

PA5098
Changes in antibiotic therapy are associated with increased morbidity and mortality in community-acquired pneumonia: Insights from CAPNETZ
Julius Kohlhäufl (Frankfurt, Germany), Mathias Pletz, Jan Rupp, Martin Witzenrath, Carla Bellinghausen, Gernot Rohde

PA5099
Experience of Eliava Phage Therapy Center in the treatment of respiratory infections
Mariam Dadiani (Tbilisi, Georgia), Lia Nadareishvili, Nata Nakaizde, Deia Nizharadze

PA5100
Predictive factors of intolerance to nebulized antibiotics. A multicentre retrospective cohort study (Inbreathing study)
Carlos Manzano Senra (Lleida, Spain), Beatriz Raboso, Ivan Benitez, Sally Santistebre, Marcela Suárez, Aida Monge, Juan Pablo De Torres, Alicia Sayés, Eduardo José García, Ana Belén Alcaine, Javier Burgos, Ana Martinez De Las Fuentes, Joel Suress-Lakhani, Cristina Pou, Marta Erro, Rosa Abril Castañon, Guillermo Suarez, David De La Rosa, Ferrán Barbé, Jessica González

PS-26 Session 476 12:30 - 14:00
Poster session: Understanding the clinical burden and important outcomes of respiratory infection
Disease(s): Airway diseases
Method(s): Epidemiology General respiratory patient care Public health Cell and molecular biology Imaging Respiratory intensive care
Tag(s): Clinical
Chairs: Martha Purcell (Shoreham by Sea, United Kingdom), Chair to be confirmed

PA5101
Non-generalizability of biomarkers for mortality in SARS-CoV-2
Elaine Soon (Cambridgeshire, United Kingdom), Erfanur Shuvo, Max Schwiening, Felipe Soares, Oliver Feng, Susana Abreu, Niki Veale, Bingye Gao, William Thomas, Roger Thompson, Richard Samworth, Nicholas Morrell, Stefan Marciak

PA5102
Streptococcus pneumoniae serotype could determine long-term survival after bacteremiac pneumococcal pneumonia
Francisco Sanz Herrero (Quart de Poblet (Valencia), Spain), Noelia Carrion Collado, Maria Remedios Gunna Serrano, Jose Luis Martin Rodriguez, Pablo Giménez Ruiz, Concepcion Gimeno Cardona, Estrella Fernández Fabrellas
The role of resistin in Influenza infection: preliminary results from the INNOVATE study
Kateryna Viligorska (Chernivtsi, Ukraine), Zsofia Eke, Holly Lind, Megan Crichton, Clare Clarke, Merete Long, James D Chalmers

Mortality Risk Scores Performance at 3, 6 and 12-Months in Patients with Community-Acquired Pneumonia
Gabriela Guerrrón-Gómez (Bogota, Colombia), Alirio Batidas, Eduardo Tuta-Quintero, Daniela Maria Torres Arévalo, Luis Felipe Reyes, Laura Alejandra Garcia Gonzalez, Javier David Villanueva Combe, Camilo Andres Acuña Ochoa, Ethan Mikler Anaya, Juan Sebastian Arcila Perdomo, Nicolas Camilo Chavez Gómez, Allison Daniela Riviera Olaya, Valentina Maldonado Castro, Maria Camila Galindo Ardila, Maria Paula Fernández Gómez, Carolina Schloss Hernández

Patient reported outcome measures (PROMs) for Spanish adults with bronchiectasis: a systematic review of measurement properties.
Beatriz Herrero Cortina (Zaragoza, Spain), YASMINA HAMAM ALCOBER, Cristina Cimarras Otal, Juan Antonio Sáez Perez

Quality of life in non cystic fibrosis bronchiectasis and prognosis scores
Maysaa Chariaq (Tunis, Tunisia), Ines Moussa, Mohamed Rafik Guerfallah, Lenda Ben Hmida, Hana Mrassi, Tarek Cherif, Oumaima Bziouech, Imen Sahnoun, Leila Douik Elgharbi

Prognostic factors of community-acquired pneumonia in patients with pathological lungs
Hamida Kwas (Gubas, Tunisia), Sabrine Majdoub Fehri

The role of social media in monitoring and predicting influenza cases in Beijing: s time series analysis
Chuangsen Fang (Beijing, China), Bingxuan Weng

Predictor-driven Dissection of the Post-COVID Syndrome (PCS) Score – A Population-Based Study

Evaluating a novel predictive tool for respiratory infection outbreaks in real life.
Eleni Rousogianni (Larissa, Greece), Karollia irini Perlepe, Eleftherios Meletis, Stylianos Boutlas, Irene Poulakida, Georgia Rapti, Evdokia Gouta, Eleni Mpaltopoulou, Giorgos Mpaltopoulou, Rubee Risdianty, Dimitrios Papagiannis, Polychronis Kostoulas, Konstantinos Iourgoulianis

Correlating Reiff Scores with Clinical, Functional, and Prognostic Factors: Characterizing Non-Cystic Fibrosis Bronchiectasis Severity - Validation from a Nationwide Multicenter Study in Taiwan
Wen-Chien Cheng (Taichung, Taiwan), Wu-Huei Hsu, Hao-Chien Wang, Shih-Lung Cheng, Horng-Chyuan Lin, Jung-Yien Chien, Chau-Chyun Sheu, Chia-Ling Chang, Chung-Kan Peng, Ming-Cheng Chan, Yu-Feng Wei, Tsung-Ming Yang, Chou-Chin Lan, Cheng-Yi Wang, Chih-Bin Lin, Ming-Shian Lin, Yao-Tung Wang, Ching-Hsiung Lin, Shih-Feng Liu

Characteristics and outcomes of RSV and Influenza hospitalized patients

Comparison of pneumonia and sepsis risks between enzalutamide and abiraterone in patients with prostate cancer
Gary Tse (Homantin, China), Athena Lee, Jeffrey Chan, Chi Ho Leung, Alex Liu, Edward Dee, Kenrick Ng, David Leung, Chi Fai Leung

AI-driven insights: Exploring barriers and facilitators in Long COVID follow-up study on patients discharged alive from ICUs in Pakistan.
Shireen Shah (Karachi, Pakistan), Madiha Hashmi, Arishay Hussaini

Comparison of Pneumonia Severity Index and CURB-65 Score with Laboratory Parameters in Predicting In-Hospital Mortality for Community Acquired Pneumonia
Fatih Uzer (Antalya, Turkey), Aliye Gamze Calis, Burcu Karaboga, Nermin Kaplan, Rojan Baris Gedik, Ahmet Alper Durmus

Incidence and risk factors of serious infections occurred in lung cancer patients following immune checkpoint blockade therapy
Jing Zhang (Shanghai (Xuhui District), China), Xiao Wang, Yu-Xiao Wu, Wu-Ping Hu

Patient's perspective following management of pleural infection at Oxford University Hospitals NHS Foundation Trust.
Alguili Elsheikh (Wheatley, South Oxfordshire, United Kingdom), Dinesh Adadala, Anand Sundaralingam, Beenish Iqbal, Wusniereh Chew, Rob Hallifax, John Wrightson, Najib Rahman
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<th>Poster Session</th>
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<td>PA5118</td>
<td>Pleural infection presentation and timeline of events: Real-world data from a tertiary hospital in the UK</td>
<td>Sonia Mannan (Stoke-On-Trent, United Kingdom), Tayyab Waseem, Nabeel Safwan, Muhammad Ganaie</td>
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<td>PA5120</td>
<td>Disease severity of hospitalised COVID-19 patients during the different phases of the pandemic in a primary teaching hospital in Germany</td>
<td>Johanna Huntemann (Coburg, Germany), Silvio Heinig, Timm Lemcke, Claus Steppert</td>
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**PS-27**

**Session 477** 12:30 - 14:00

**Poster session: Real-word clinical data in lung cancer**

**Disease(s):** Thoracic oncology, Airway diseases

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

**Tag(s):** Clinical

**Chairs:** Andriani Charpidou (Athens, Greece), Armin Frille (Leipzig, Germany)

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<td>PA5121</td>
<td>Efficacy and safety of concurrent chemoradiotherapy with carboplatin and nanoparticle albumin-bound paclitaxel.</td>
<td>Osamu Kanai (Kyoto, Japan), Takanori Ito, Zentaro Saito, Takuma Imakita, Issei Oi, Yuki Yamamoto, Kohei Fujita, Kiminobu Tanizawa</td>
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<td>PA5122</td>
<td>A real-world prospective study of nivolumab (NIVO) in patients (pts) with pretreated advanced non-small cell lung cancer (aNSCLC) in Greece and Cyprus – Interim analysis results of LUCENCE study</td>
<td>Andriani Charpidou (Athens, Greece), Maria Mani, Sofia Lampaki, Lambrini Stournara, Athanasios Kotsakis, Epameinodas Samantas, Violeta Grammatikou, Nikolas Kentepozidis, Anna Kounarianou, Konstantinos Syrigos</td>
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<td>PA5123</td>
<td>Quality of Life in Patients with Advanced Non-Small-Cell Lung Cancer: A Prospective real-world study</td>
<td>Elise M. Beijert (Leeuwarden, Netherlands), Rolof G P Gijtenbeek, Kim De Jong, Wouter H. Van Geffen</td>
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<td>PA5124</td>
<td>Real-world efficacy and safety analysis on three-day continuous intravenous pump infusion of endostar combination therapy for advanced NSCLC</td>
<td>Min Zhang (Shanghai, China), Guogang Xie, Xue Zhang, Wuping Bao, Aihua Bao, Yan Zhou, Yingying Zhang</td>
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<td>PA5125</td>
<td>Gender Disparities in ICI Therapy: Lung Cancer Patients' Varied Immune Responses</td>
<td>Blerina Resuli (Munich, Germany), Julia Walter, Diego Kauffmann-Guererro, Pontus Mertsch, Jürgen Behr, Amanda Tufman</td>
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<td>PA5126</td>
<td>Checkpoint Inhibitor-Induced Pneumonitis in Lung Cancer</td>
<td>Quataib Shudayfat (Cambridge, United Kingdom), Thersea Mikolasch, James Nathan</td>
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<td>PA5127</td>
<td>Accuracy of radiological assessment of nodal involvement in lung cancer</td>
<td>Kennedy Edwards (SHEFFIELD, United Kingdom), Craig McCrossan, Christopher John, Sriram Iyer</td>
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<td>PA5128</td>
<td>D-Dimer Levels in Lung Adenocarcinoma as a predictor of Chemotherapy Response Based on RECIST</td>
<td>Andreas Infianto (Bandar Lampung, Lampung, Indonesia), Retno Ariza Soemarwoto, Indri Windarti, Elman Dani Firdaus</td>
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<td>PA5129</td>
<td>A study on the impact of antibiotics on the efficacy and prognosis of advanced lung cancer patients undergoing immune checkpoint inhibitor therapy</td>
<td>Yufang Xie (Chengdu, China)</td>
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<td>PA5130</td>
<td>Challenges in the management of oligometastatic lung cancer</td>
<td>Nidhal Belloumi (la soukra, Tunisia), Hammouda Nazihia, Jabberi Manel, Hbournia Chaima, Bellara Roumaissa, Akrini Nada, Belmufti Hiba, Bachouch Imene, Chermiti Fatma, Fenniche Soraya</td>
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<tr>
<td>PA5131</td>
<td>Lymphocyte changes in peripheral blood of metastatic non-small cell lung cancer patients receiving cryotherapy and immunotherapy</td>
<td>Gediminas Vasiliauskas (Kaunas, Lithuania), Evelina Sabeckytè, Erika Skrodenienè, Lina Poškienè, Marius Žemaitis</td>
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<tr>
<td>PA5132</td>
<td>Establishment and validation of prognostic nomograms for patients suffering from metastatic pulmonary large cell neuroendocrine carcinoma</td>
<td>Xiaoyun Chen (Fuzhou, China), Yedong Huang, Chaosheng Deng</td>
</tr>
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</table>
Quality of Life in Long-Term Survivors with advanced EGFR-Mutated NSCLC

Don’t tar them all with the same brush: different grades of visceral pleura invasion in resectable lung adenocarcinomas correlates with aggressive behavior and poor prognostic outcomes.
Stylianos Korasidis (Pisa (PI), Italy), Diana Bacchin, Andrea Castaldi, Maria Giovanna Mastromarino, Vittorio Aprili, Marcello Carlo Ambrogi, Marco Lucchi

CPET vs PFTs for lung cancer surgery: which is a better indicator of pre-surgical functional status?
Thomas Simon FitzMaurice (Liverpool, United Kingdom), Scott Hawkes, Paul Lang, Sam Town, Julius Asante-Siaw, Emily Hoodless

Characteristics of NSCLC patients: predictors of 5-year survival from a nationwide cohort study
Anja Gouliaev (Viby J, Denmark), Torben Riis Rasmussen, Niels Lyhne Christensen

Alectinib versus crizotinib as first-line treatment in patients with advanced ALK-mutated non-small cell lung cancer: a Chinese, real-world cohort study
Haoran Zhang (Peking, China), Zhaozhen Wu, Dongming Zhang, Jia Liu, Tao Lu, Yuequan Shi, Xiaoxing Gao, Xiaoyan Liu, Minjiang Chen, Jing Zhao, Wei Zhong, Yan Xu, Ying Hu, Mengzhao Wang

The impact of dietary selenium on all-cause mortality in lung cancer: insights from the national health and nutrition examination survey
Chih-Hao Chang (Taoyuan, Taiwan), Min-Chun Chiang, Chung-Shu Li, Shih-Houg Lee, Chi-Hou Chang

A meta-analysis on neoadjuvant immunochemotherapy in stage III-IVa (oligometastatic) non-small cell lung cancer
Xiaojie Yang (Fuzhou (Fujian), China), Qing Li, Tianxing Guo, Yusheng Chen, Qiongyao Zhang, Hongru Li

The role of ‘dual Antifibrotic combination’ Nintedanib plus Pirfenidone in Idiopathic Pulmonary Fibrosis: A favourable outcome & recommendation to change from monotherapy to combination regimen in a single center experience of 105 IPF cases
Shital Vishnu Patil (Latur (Maharashtra), India), Sanidhaya Tak, Abdul Wahab Mirza, Arpit Johar, Gurmaiher Singh Theti

Comparison of the clinical effectiveness of nintedanib at full and reduced dosage in patients with idiopathic pulmonary fibrosis and progressive non-idiopathic fibrosis
Paolo Cameli (Siena (SI), Italy), Marco Guerrieri, Pianigiani Tommaso, Piersalvatore Sirna, Laura Bergantini, Miriana D’Alessandro, Bargagli Elena

The influence of symptoms on uptake of antifibrotic medication – experience from a UK tertiary Interstitial Lung Disease (ILD) centre
Catherine Rowan (Leeds, United Kingdom), Trishala Raj, Jessica Bradley, Paul Beirne, Tim Sutherland, Alison Boland

Effectiveness of pirfenidone in elderly patients with advanced functional impairment: a real-world study in idiopathic pulmonary fibrosis
Stefano Levrà (Moncalieri, Italy), Cecilia Rivero, Francesca Bertolini, Vitina Carriero, Elisa Arrigo, Giuseppe Guida, Stefano Pizzimenti, Flavio Crosa, Carlo Albera, Fabio Luigi Massimo Ricciardolo

Prevalence and predictors of response to long-term treatment in patients with idiopathic pulmonary fibrosis (IPF).
Elisabetta Cocconcelli (Padova (PD), Italy), Nicol Bernardinello, Paolo Cameli, Tommaso Pianigiani, Rosangela Di Libert, Cristina D’Alessandro, Riccardo Messina, Irene Di Leo, Tiziana La Blasca, Nicola Scchilone, Elena Bargagli, Marina Saetta, Paolo Spagnolo, Elisabetta Balestro

Changes in survival in people with IPF in England 2010–2020
Ann Morgan (Market Harborough (Leicestershire), United Kingdom), Rikisha Shah Gupta, Peter George, Jennifer Quint
Idiopathic Pulmonary Fibrosis in the United Kingdom: Findings from the first decade of the largest single-country IPF Registry

Ahmed Fahim (Wolverhampton (West Midlands), United Kingdom), Maria Loughenbury, Sarah Agnew, Howard Almond, Leo Casimo, Nazia Chaudhuri, Sophie V Fletcher, Sarah Haney, Ling-Pei Ho, Clare Hodkinson, Paul Minnis, Evelyn Palmer, Iain Stewart, Andrew Wilson

Disease trajectories in interstitial lung diseases – Data from the EXCITING-ILD Registry

Katharina Buschulte (Heidelberg, Germany), Hans-Joachim Kabitz, Lars Hagmeyer, Peter Hammerl, Albert Esselmann, Conrad Wiederhold, Dirk Skowasch, Christoph Stolpe, Marcus Joest, Stefan Veitshans, Marc Höffgen, Philipp Maughzu, Larissa Schwarzkopf, Andreas Hellmann, Michael Pfeifer, Jürgen Behr, Andreas Günther, Markus Polke, Philipp Höger, Vivien Somogyi, Christoph Lederer, Philipp Markart, Michael Kreuter

End-of-life in idiopathic pulmonary fibrosis treated with antifibrotic therapy

Makiko Sato (Gunma, Japan), Yasuhiko Koga, Yoshimasa Hachisu, Kazutaka Takehara, Ikko Wakahatsu, Yuki Shin, Haruka Saito, Masakiyo Ōtomo, Hiroaki Tsurumaki, Noriaki Sunaga, Toshitaka Maeno, Takeshi Hisada

Statin use and its implications on survival and disease progression in the European MultiPartner Idiopathic Pulmonary Fibrosis Registry (EMPIRE)

David Lang (Kirchschlag bei Linz, Austria), Bernd Lamprecht, Nesrin Mogulkoc Bishop, Martina Sterclova, Katarzyna Lewandowska, Mordechai Kramer, Vladimir Bartos, Martina Plackova, Veronika Müller, Petra Ovesna, Michael Studnicka, Martina Koziar Vasakova

Prevalence and risk factors of progressive pulmonary fibrosis (PPF) in patients with Interstitial Lung Disease (ILD) in a tertiary care center in India

Devasahayam Jesudas Christopher (Vellore (Tamil Nadu), India), Sai Vijayasree, Barney Isaac, Anitha Barney, Manisha Shreshna Mane, Balamugesh Thangakunam

Familial Pulmonary Fibrosis: Clinical, genetic and radiological characterization

Mara Daniela Silva Sousa (Vizela, Portugal), Inês Carvalho, Rita Santos, Patrícia Mota, Ana Grangeia, João Parente Freixo, Miguel Alves-Ferreira, André Carvalho, Susana Guimarães, Luis Delgado, Carla Pinto Moura, Josué Pinto, Catarina Cardoso, David Coelho, André Terras, António Morais, Hélder Novais-Bastos

The far reaching implications of Interstitial Lung Diseases Delayed Diagnosis

Radu Adrian Crisan-Dabija (Iasi (Iasi), Romania), Lucia Morosan-Danila, Claudia Elena Grigoras-Ichim, Dumitru Filipeanu

Familial Pulmonary Fibrosis in Two Referral Centers in Northeast of Brazil.

Fernanda de Aguiar Baptista (Salvador (BA), Brazil), Rúbia Campos, Ana Maria Genu, Paula Tannus, Guilherme Montal

Quality of life in idiopathic pulmonary fibrosis in Latin American countries

Martín Eduardo Fernández (Ciudad Autónoma Buenos Aires, Argentina), Ivette Buendía-Roldán, Muricio González, Emily Rincón-Alvarez, Maria Laura Alberi, Fabian Matias Caro, Esther Tavera, Ely Vazquez, Mauricio Salinas, Matias Florenzano, Noemi Cortez Olivera, Hiram Aguilar-Duran

Comparison of ILD at risk of PH between transplant center and referral care settings

brenda varela (Ciudad Autónoma Buenos Aires, Argentina), Joaquín Maritano Furcada, Luciano Melatini, Sabino Deleo, Gabriela Tabaj, Juan Ignacio Enghelmyer, Tulio Papucci, Matias Castro, Wendy Marisol Torrejon Chineco, Graciela Svetliz, David Smith, Mónica Santurri

IPF and lung cancer. Retrospective analysis of antifibrotic drugs and thoracic surgery.

Leonardo Gori (Florence, Italy), Stefano Bongiolatti, Alessandra Soroso, Elisabetta Rosi, Marina Amendola, Viola Bonti, Katia Ferrari, Roberta Ginanni, Alberto Salvicchi, Domenico Viggiano, Luca Volotlini, Camilla Comin, Valeria Pavo, Rubina Girolamo, Valentina Musto, Luca Cian, Leonardo Giuntoli, Valentina Luzzi, Marco Trigiani, Vieri Scotti, Francesca Mazzoni, Diletta Cozzi, Lorenzo Lumachi, Paolo Fontanari, Federico Lavorini, Sara Tomassetti

Idiopathic pulmonary fibrosis in hospitalized patients with lung cancer

Yujie Shi (Beijing, China), Ruxuan Chen, Hui Huang, Mengzhao Wang, Zuojun Xu

PS-29  Session 479  12:30 - 14:00

Poster session: Pulmonary fibrosis

Disease(s): Interstitial lung diseases

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

Tag(s): Clinical

Chairs: Michelle Kam (Singapore, Singapore), Lurdes Planes Cerezas (Barcelona, Spain)
Effects of neramemilast, a preferential PDE4B inhibitor, on metabolism of midazolam, a sensitive CYP3A substrate
Shilpa Madari (Ridgefield, United States), Yichao Yu, Dilara Jappar, Donald Zoz

The presence of myositis specific and myositis associated antibodies does not alter prognosis in IPF
Robert Harrington (Dublin, Ireland), Richard Conway, Ruairi Fahy

Monocytes, Mortality, and Disease Progression in IPF: A time-to-event analysis
Dominic Sykes (Hull, United Kingdom), Haider Bohkary, Jennifer Shyamalree, Simon P Hart

Late Breaking Abstract - GTX-11 – a new drug with anti-fibrotic effects in lung fibroblasts and in an ex vivo model
Carlos Esteban Machahua Huamani (Bern, Switzerland), Eugenia Ruiz-Cañovas, Consol Farrera, Cristina Fernández-Asensio, Silvia Sánchez-Diez, Jaume Mercadé, Manuela Funke-Chambour

Predicting progressive phenotype in patients with fibrotic interstitial lung disease
Nicol Bernardinello (Trecenta (RO), Italy), Lauren D'Sa, Federica Pezzuto, Francesca Boscaro, Anamaria Chelu, Cecilia De Chellis, Giulia Bacchin, Luca Vedovelli, Chiara Giraudo, Paolo Spagnolo, Fiorella Calabrese, Elisabetta Ballestro

Time-Dependent Analysis of Calcium Channel Blocker Usage and Risk of Interstitial Lung Disease/Idiopathic Pulmonary Fibrosis: A Nationwide Cohort Study
Jang Hye Jin (Seoul, Republic of Korea), Jin-Young Huh, Jin-Ho Kim, Ji Hyeon Jeong, Joo Hun Park, Jae Young Kim, Won-II Choi

Immunological similarities between post-COVID19 lung sequelae and idiopathic pulmonary fibrosis
Sara Gangi (Siena, Italy), Laura Bergantini, Paolo Cameli, Irene Paggi, Marco Spaletti, Fabrizio Mezzasalma, Elena Bargaglia, Miriana D'Alessandro

Biomarkers in ICU-treated Covid-19 patients 4 and 10 months after discharge: evidence for persistent inflammation and remodeling
Dimitrios Kalafatis (Lund, Sweden), Mikael Björnson, Anna Kistner, Judith Bruchfeld, Michael Runold, Malin Nygren-Bonnier, Åsa Wheelock, Linda Elowsson, Gunilla Westergren-Thorsson, Magnus Sköld

Distinct airway immune cell constitution in persistent post COVID-19 ILD.
Eliza Tsitoura (Heraklion (Crete), Greece), Eirini Vasarmidi, Ioanna Argyriou, Alexandros Galaras, Marilena Lourou, Irini Lambiri, Christos Skiadas, Eleni Bibaki, Nicoletta Bizymni, Andreas M. Matthaiou, Pantelis Hatzis, Nikolaos Tzanakis, Katerina Antoniou

Late Breaking Abstract - Evaluating the clinical potential of inhalation of umbilical cord mesenchymal stem cell (UC-MSC) exosomes in pulmonary fibrosis (PF) treatment.
Chen-En Chiang (New Taipei city, Taiwan), Yu-Chun Lin, Megha Jhunjhunwala, Hui-Ling Lin, Chi-Shuo Chen

PDGFα-positive fibroblasts display a proinflammatory phenotype in infection-driven exacerbation of experimental lung fibrosis
Lara-Kristin Steinmetz (Hannover, Germany), Tina Röpke, Franziska Aschenbrenner, David S. Deluca, Tobias Welte, Martin Kolb, Ulrich A. Maus

Blood eosinophilia: a predictive marker of acute exacerbations in fibrotic interstitial lung disease?
Melanie DAVID (Paris, France), Quentin Marquant, Helene Salvador, Philippe Devillier, Matthieu Groh, Anne-Laure Brun, Antoine Magnan, Colas Tcherakian

Survival in familial idiopathic pulmonary fibrosis and fibrotic hypersensitivity pneumonitis is worse than its sporadic presentations.
Deborah Dos Reis Estrella (Belo Horizonte (MG), Brazil), Eliane Mancuso, Regina Tibana, Maria Raquel Soares, Carlos Alberto De Castro Pereira, Ricardo De Amorim Corrêa

Good health’ for patients with PPF: Insights from patient-led international focus groups

Weight loss on nintedanib therapy in interstitial lung diseases (ILD)
Barney Isaac (Vellore (Tamil Nadu), India), Bharath Karthikeyan, Balamugesh Thangakunam, Devasahayam J Christopher

Body composition phenotypes in IPF and their association with clinical outcomes
Pınar Ergün (Ankara, Turkey), Mustafa Engin Şahin, Hasan Ibis, Seher Satar

Evaluating the Progressive Factor's Impact on IPF Patients Treated with Antifibrotic Agents Over One Year
Yu-Cheng Wu (Taichung City, Taiwan), Chen-Yu Wang, Pin-Kuei Fu
Use of 6-min walk distance to predict lung transplant-free survival in fibrosing non-IPF interstitial lung diseases
Umberto Zanini (Monza, Italy), Fabrizio Luppi, Karina Kaur, Nicoló Anzani, Giovanni Franco, Giovanni Ferrara, Meena Kalluri, Marco Mura

A pilot HRCT follow-up study to test the feasibility of predictive efficacy of serum periostin in idiopathic pulmonary fibrosis
Mingtao Liu (Guangzhou, China), Baoqing Sun

The prevalence of MUC5B variant and survival of patients with interstitial lung disease in Ireland: A multi-centre cohort study
Aoife Carolan (Stoneybatter, Ireland), Niamh Logan, Khaled Musameh, Helen O'Brien, Mari Osaki, Wan Lin Ng, Jisha Jasmin, Fiona Pantring, Katherine Benson, Edmund Gilbert, Gampiero Cavalleri, David A. Schwartz, Cormac McCarthy, Michael P. Keane, Michael T. Henry, Killian Hurley

Session 480 12:30 - 14:00
Poster session: Telemedicine in respiratory care: design, development and evaluation of innovative digital programs, apps, platforms and devices

Design and development of an application for technology-supported shared decision-making in COPD
Roswita Vaseur (Enschede, Netherlands), Tessa Beinema, Wendy D’Hollosy, Danae Lekka, Monique Tabak

Development of a digital self-management tool for people with sarcoidosis
Astrid Dunweg (Rotterdam, Netherlands), Vivienne Kahlmann, Heleen Kicken, Nick Jelicic, Joke Hendriks, Richard Goossens, Marlies Wijnenbeek, Jiwon Jung

Development of a remote monitoring device in a paediatric tertiary hospital: A clinical validation study
Yi Hua Tan (Singapore, Singapore), Jean An Mark Koh, Gurpreet Singh, Chu-Tian Cristelle Chow, Sashikumar Ganapathy, Delphine Ow, Jing Chun Teo, Anne Goh, Oon Hoe Teoh

Maintainance pulmonary tele-rehabilitation program for chronic pulmonary diseases: a feasibility study
Chiara Giuseppina Beccaluva (Origgio (VA), Italy), Mara Paneroni, Manuela Saleri, Michele Vitacca

Development and testing of a comprehensive self-management application for chronic pulmonary disease
Julien Lebleu (Bruxelles, Belgium), Laetitia Payfa, Benoit Ernst, Marie Bruyneel, Julien Guiot

Monitoring respiratory function with telemedicine devices in asthmatic children
József Tolnai (Szeged, Hungary), Katalin Kapus, Zoltán Novák, Ferenc Peták

Objective versus subjective assessment of cough burden – proof-of-concept of an automated cough recorder
Louise Otto (Berlin, Germany), Satish Pant, Andrea Berten, Thomas Hering, Nicola Stenzel, Klaus Kenn

Usability evaluation of proof-of-concept electronic version of the COPD Exacerbation diary card
Lauren Crooks (Johannesburg, South Africa), Lydia Finney, Bill Byrom, Clive Page, Elias Ketiar, Dawie Wessels, Jadwiga A Wedzicha

Optimizing CFTR modulator therapy management for cystic fibrosis through the ReX platform
Karin Yaacoby-Bianu (Haifa, Israel), Malena Cohen-Cymberknoh, David Shoseyov, Tal Lavi, Ana Ostrovski, Michal Shteinberg, Galit Livnat

A digital platform for the self-management and remote care of Asthma and COPD
Sandhya Matthes (Solingen, Germany), Marcel Treml, Kerstin Richter, Anika Hain, Fotina Gjoka, Lars Hagmeyer, Winfried Randerath

Usability of a novel eHealth tool for pulmonary rehabilitation- a randomized controlled pilot- and feasibility trial in people with COPD
Åsa Karlsson (Umeå, Sweden), Pernilla Sönnerfors, Sara Lundell, Annika Toots, Karin Wadell

A novel telemedicine-based individualized pulmonary rehabilitation program in COPD: patient perception
Edvin Diskin Wetter (GÖTEBORG, Sweden), Maria Bäck, Anna Ridderstolpe, Annie Lindahl, Lowie E G W Vanfleteren
Impact of the Aptar Digital Health respiratory platform on adult asthma control, medication adherence, and rescue medication usage  
Akash Bijlani (San Carlos, United States), Geneviève Giret-D’Orsay, Julie Suman

Efficacy and safety of digital therapeutics for pulmonary rehabilitation in patients with COPD: A randomized controlled trial  
Hee Eun Choi (Busan, Republic of Korea), Jae Ha Lee, Chin Kook Rhee, Chul Kim, Ju Hyun Oh, Ji Heeoung Lee

Implementation of a Telespirometry System in Primary Health Care Units in Brazil  
Eliane Viana Manuezo (Belo Horizonte (MG), Brazil), Camila Farnese Rezende, Ricardo Amorim Correa, Sabrina De Rezende Ribeiro, Maria Cristina Da Paixão, Leonardo Bonissor Ribeiro, Mayara Santos Mendes, Nubia Cristina Louback Dos Santos, Lidiane Aparecida Pereira De Souza, Antonio Luiz Pinho Ribeiro

Evaluation of existing digital tools in national tuberculosis control programs of Armenia and Kyrgyzstan  
Olga Hovardovska (Brauschweig, Germany), Harald Hoffmann, Dirk Wagner, Gulmira Kalmambetova, Meerubu Sydykova, Eduard Kabasakalyan, Ohanna Kirakosyan, Berit Lange

A hybrid home-care program for COPD patients after an acute hospitalization: a real-life cohort study  
Irina Oksner (Ramat Gan, Israel), Michael J Segel, Inbal Shafran, Lior Seluk Seluk, Amir Onn, Galia Barkai, Erik Baltaxe

Long COVID and quality of life: role of respiratory rehabilitation  
Khadija Ayed (Nabeul, Tunisia), Islam Mejri, Tasnim Znegui, Ella Nemsi, Zied Moatemri

The effect of a 3-month digital physical activity intervention on health outcomes at 1 year following lung transplantation (LTx)  
Emily Hume (Newcastle Upon Tyne, United Kingdom), Hazel Muse, Kirstie Wallace, Mick Wilkinson, Karen Heslop-Marshall, Arun Nair, Stephen Clark, Ioannis Vogiatzis

Late Breaking Abstract - Assessing the diagnostic accuracy of home spirometry system for asthma diagnosis  
Björn Nordlund (Bromma, Sweden), Lynnea Myers, Martin Bellander, Henrik Ljungberg, Martine Isachsen, Marianne Eduards, Eduard Kabasakalyan, Ohanna Kirakosyan, Kjell Larsson

Hard Metal Lung Disease: A case of an under recognised metallic malady  
Sheetal Chaurasia (Bangalore (Karnataka), India)

Crosstalk between fibrotic alveolar basal cells and lung fibroblasts: Effects on differentiation and mediator expression  
Katrin Esther Hostettler (Basel, Switzerland), Petra Khan, Sabrina Blumer, Spasenija Savic, Lars Knudsen, Danny Jonigk, Mark P. Kuehnel

Hyaluronan in the pathogenesis of lung fibrosis associated to autoimmune Pulmonary Alveolar Proteinosis (aPAP)  
Vincenzo Alfredo Marando (Pavia (PV), Italy), Sara Lettieri, Francesca Mariani, Matteo Della Zoppa, Michele Zorzetto, Raffaele Gentile, Laura Ciardelli, Riccardo Albertini, Angelo Guido Corsico, Ilaria Campo

Long-term observational study on autoimmune pulmonary alveolar proteinosis (aPAP)  
Etsuro Yamaguchi (Nagakute (Aichi), Japan), Eisuke Fujishiro, Masaya Fukami, Takuma Katano, Hiroyuki Tanaka, Satoru Itō

Clinical features of pulmonary hypertension in lymphangioleiomyomatosis  
Jie Liu (Guangzhou, China), Panqiao Liang, Yingxin Pan, Hongyuan Huang, Zhen Zhao, Cheng Xiaofeng

Intracellular GM-CSF signaling in circulating monocytes, monocyte-derived macrophages, and human lung macrophages  
Hélène Salvador (Suresnes, France), Marion Brollo, Melanie David, Raphael Zermati, Quentin Marquant, Stanislas Grassin-Delyle, Matthieu Grorion, Justine Cohen, Antoine Magnan, Philippe Devillier

Diagnostic efficacy of serum vascular endothelial growth factor -D in diffuse cystic lung disease.  
Jie Liu (Guangzhou, China), Yingxin Pan, Panqiao Liang
Can we differentiate between primary Sjögren’s syndrome and idiopathic multicentric Castleman disease based on the features of lung cysts?
Jiamin Zhou (Beijing, China), Xueqing Liu, Weihong Zhang

Clinical relevance of FLCN mutations in Asian patients with Birt-Hogg-Dubé syndrome
Jie Liu (Guangzhou, China), Nan Jia, Hongyuan Huang, Yingxin Pan, Mengshi Li, Francis X McCormack

Evaluating U-Net Performance in Segmenting Cysts of Diffuse Cystic Lung Disease CT Scans
Katie Noonan (Wicklow, Ireland), David J. Murphy, Brian Gaffney, Brian Sheehy, Niall McVeigh, Nicholas Mccarthy, Alessandro N. Franciosi, Ali Ataya, Nishant Gupta, Francis X. Mccormack, Francesco Bonella, Michael P. Keane, Raphael Borrie, David A. Lynch, Kathleen M. Curran, Cormac Mccarthy

Using Semi-Automated CT Analysis to Determine Cyst Burden in Diffuse Cystic Lung Diseases
Evelyn Lynn (Blackrock (Co. Dublin), Ireland), Brian Gaffney, Joseph Morrow, David Murphy, Alessandro Franciosi, Michael Keane, Cormac Mccarthy

Chronic myelomonocytic leukaemia associated with pulmonary Langerhans cell histiocytosis
Pierre Thoré (Champigny-sur-Marne, France), Sérine Chaibi, Amira Benattia, Gwenaël Lorillon, Abdellatif Tazi

Lymphocytic interstitial pneumonia characterized by diffuse cystic lung lesions: Single-center, cohort retrospective analysis
Jie Liu (Guangzhou, China), Zhen Zhao, Panqiao Liang

The role of lung diffusing capacity for carbon monoxide in Pulmonary Langerhans Cell Histiocytosis
Antonio Fabozzi (Rome, Italy), Gianluca Paciucci, Diana Iannello, Giulia De Rose, Roberto Romiti, Giovanna Palumbo, Paolo Palange, Gregorino Paone

Circulating Anandamide is an Early Blood Biomarker of Progressive Hermansky-Pudlak Syndrome Pulmonary Fibrosis

The diagnostic role of transbronchial lung cryobiopsy in inflammatory myeloid neoplasms
Simone Petraruolo (Padova, Italy), Teresa Calari, Sabrina Martinello, Fabio Sultan, Arianna Johanna De Grauw, Stefano Oldani, Roland Barbante, Alessandra Dubini, Claudia Ravaglia, Sara Picciucci, Venerino Poletti

The histopathological lesions of ILAs earlier than the radiological changes
Ping Li (Chengdu, China), Lili Jiang, Huajing Wang, Min Zhu, Yuchen Zhang, Fengming Luo

Screening and identification of pathogenic genes in a family of idiopathic pulmonary fibrosis
Lyu Liu (Changsha, China), Liang-Liang Fan, Hong Luo

The MUC5B rs35705950 allele is a cooperator in familial pulmonary fibrosis.
Deborah Dos Reis Estrella (Belo Horizonte (MG), Brazil), Flávia Donaires, André Luiz Pinto Santos, Eliane Mancuzo, Ana Beatriz Hortense, Josa Antônio Baddini Martinez, Ricardo De Amorim Corrêa, Rodrigo Tocantins Calado De Saloma Rodrigues

Poster session: Pulmonary hypertension groups 2–4

Disease(s): Pulmonary vascular diseases, Interstitial lung diseases, Sleep and breathing disorders.
Method(s): Imaging, Respiratory intensive care, Endoscopy and interventional pulmonology, Cell and molecular biology, Epidemiology, Physiology, Surgery, Pulmonary function testing.
Tag(s): Clinical.
Chairs: Mitja Jevnikar (Paris, France), Frédéric Lador (Genève 14, Switzerland)

Cardiopulmonary exercise test in patients with chronic thromboembolic pulmonary disease and exercise pulmonary hypertension
Adam Dhayyat (Oslo, Norway), Morten Nissen Melsom, Janne Mykland Hilde, Waheed Ghanima, Kjetil Steine

Obstructive sleep apnoea is associated with residual pulmonary hypertension following pulmonary endarterectomy in chronic thromboembolic pulmonary hypertension
Caner Çınar (Istanbul, Turkey), Şehnaz Ölgün Yıldızeli, Halil Ataş, Baran Balcan, Bülent Mutlu, Bedrettin Yıldızeli, Yüksel Peker
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<th>PA5223</th>
<th>Clinical and radiological characteristics of CTEPH patients without a history of acute venous thromboembolism</th>
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<td></td>
<td>Coen van Kan (Amsterdam, Netherlands), Lilian Meijboom, Dieuwertje Rutgrog, Esther Nossent, Jurjan Aman, Harm Jan Bogaard, Anton Vonk Noordegraaf, Josien Van Es</td>
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<th>PA5224</th>
<th>The impact of the initial treatment of venous thromboembolism on the severity of chronic thromboembolic pulmonary hypertension</th>
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<td></td>
<td>Aleksandar Bokan (Loewenstein, Germany), Biljana Joves, Axel Tobias Kempa, Ahmed Ehab</td>
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<th>PA5225</th>
<th>Factors associated with oxygenation improvement after balloon pulmonary angioplasty for non-operable chronic thromboembolic pulmonary hypertension.</th>
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<td>Yu Taniguchi (Kobe, Japan), Miki Sakamoto, Hiroyuki Fujii, Kenichi Yanaka, Noriaki Emoto, Kenichi Hirata</td>
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<tr>
<th>PA5226</th>
<th>Estimating pulmonary haemodynamics and vascular resistance in CTEPH from pre- and post-endarterectomy CTPA</th>
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<td></td>
<td>Behdad Shahrabf Ebrahimi (Auckland, New Zealand), Ho-Fung Chan, Prashanna Khwounjoo, Finbar Argus, Martyn Nash, David Kaye, Timothy Joseph, Helen Whitford, Atsuo Doi, David Mc Griffin, Merryn Tawhai</td>
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<th>PA5227</th>
<th>Investigating the effectiveness of sildenafil on post-operative pulmonary hypertension after cardiothoracic surgery</th>
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<td>Thomas Davies (London, United Kingdom), Yueqi Ge, Toby Lewis, Winston Banya, Sundeepl Kaul</td>
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<tr>
<th>PA5228</th>
<th>Efficacy of pulmonary angioplasty with stent deployment in patients with isolated peripheral pulmonary artery stenosis in adulthood</th>
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<td>Misaki Kanezawa (Okayama, Japan), Hiroto Shimokawahara, Hiromi Matsubara</td>
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<th>PA5229</th>
<th>Survival is associated with underlying ILD diagnosis in ILD-PH.</th>
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<td>Segolene Turquier (bron, France), Rémi Diesler, Martine Reynaud-Gaubert, François Lestelle, Thomas Lacoste-Palasset, Victor Valentin, Sébastien Quétant, Ari Chaoat, Clément Boissin, Elise Noel-Savina, Cécile Tromeur, Aurélien Justet, Arnaud Maurac, Fabrice Bauer, Hilaire Nunes, Laurent Bertolletti, Pascal Magro, Delphine Horeau-Langlard, Marie-France Séronde, Nicolas Favart, Romain Trésorier, Bouchra Lamia, Céline Chabanne, Sébastien Renard, Frédéric Gagnadoux, Pierre Mauran, Ibrahim Traore, Laurence Rottat, Sabrina Zeghman, Ana Nieves, Julie Tractel, Olivier Sitbon, Nicolas Lamblin, Bruno Degano, Arnaud Bourdin, Marc Humbert, Fabien Subtil, David Montani, Vincent Cottin</td>
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<th>PA5230</th>
<th>Comparative analysis of circulating endothelial progenitor cells and resected tissue-derived endothelial cells in chronic thromboembolic pulmonary hypertension (CTEPH).</th>
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<td>Miriam Peracaula (Salt, Spain), Cristina Rodríguez, Ana M Ramírez, Jeisson Osorio, Montserrat Rigol, Isabel Blanco, Victor I Peinado, Manel Castellá, Joan Albert Barberà, Olga Tura-Ceide</td>
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<tr>
<th>PA5231</th>
<th>PAR1 Inhibition Vorapaxar as a Potential Therapeutic Approach in Chronic Thromboembolic Pulmonary Hypertension</th>
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<td>Lu Sun (Beijing, China), Min Liu, Peiran Yang, Zhenguang Zhai</td>
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<tr>
<th>PA5232</th>
<th>Genome-wide association analyses identified susceptibility loci for chronic thromboembolic pulmonary hypertension among Chinese population</th>
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<td>mengjie Duo (Beijing, China), Bingzhang Zou, Huiwen Li, Zhu Zhang, Zhenguang Zhai</td>
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<tr>
<th>PA5233</th>
<th>The significance of CD16+ monocytes in the occurrence and development of chronic thromboembolic pulmonary hypertension: insights from single-cell RNA sequencing</th>
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<td>Maohe Chen (Fuzhou, China), Qixia Wu, Xinyue Lai, Nan Shao, Chaosheng Deng</td>
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<tr>
<th>PA5234</th>
<th>The therapeutic potential of NAMPT in protecting against chronic thromboembolic pulmonary hypertension</th>
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<td>Lu Sun (Beijing, China), Jixiang Liu, Peiran Yang, Zhenguang Zhai</td>
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<tr>
<th>PA5235</th>
<th>Right Ventricular to Pulmonary Circulation Uncoupling Predicts Adverse Outcome in the Heart Failure Patients Cohorts with Highest Left Ventricular Ejection Fraction and Increased Pulmonary Pressure</th>
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<td>Saleh Nazzal (Nahef, Israel), Yochai Adir, Shemi Carasso, Marco Guazzi</td>
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<th>PA5236</th>
<th>Hemodynamic measurement in pulmonary hypertension: a challenge for automated CT analysis</th>
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<td>Quentin Maloir (Liège, Belgium), Ludivine Libert, Benoit Ernst, Flore Belmans, Andrea Corsi, Wim Vos, Julien Guiot</td>
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<tr>
<th>PA5237</th>
<th>The Prevalence of Pulmonary Hypertension in Left Heart Disease in Austria, Germany and Switzerland (DACH Region)</th>
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<td>Katarina Zeder (Graz, Austria), Clayton Brown, Lisa Cvirm, Armella Santi, Eric W Robbins, Veranyuy Ngah, Silvia Ulrich, Stephan Rosenkranz, Simon Stewart, Geoff Strange, Gabor Kovacs, Bradley A Maron</td>
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<th>PA5238</th>
<th>ATMOS, a Proof-of-Concept trial of inhaled mosliciguat in untreated PAH or CTEPH</th>
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<td>David Jung (Wuppertal, Germany), Ardeshir Ghofrani, Hanno Leuchte, Hikmet Al-Hiti, Michael Halank, Pavel Jansa, Tobias Lange, Horst Olschewski, Khodr Tello, Eva Becker-Pelster, Sandra Liggis, Johannes Nagelschmitz, Sylvia Nikko, Sudhir Penugonda, Soundos Saleh, Paula Vesterinen, Markus Woischnik, Grzegorz Kopec</td>
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Epicardial Adipose Tissue Dysfunction in Pulmonary Arterial Hypertension: Implications for Right Ventricular Dysfunction
Sarah-Eve Lemay (Quebec, Canada), Manon Mougin, Sandra Martineau, Sandra Breuil Bonnet, Mélanie Sauvaget, Olivier Boucherat, Steve Provencher, Sebastien Bonnet, François Potus

PS-32  Session 483  12:30 - 14:00
Poster session: Imaging studies of COPD, asthma, COVID pneumonia and cystic fibrosis

Disease(s): Interstitial lung diseases  Thoracic oncology  Airway diseases  Pulmonary vascular diseases
Method(s): Imaging  Pulmonary function testing  Physiology  Epidemiology
Tag(s): Clinical

Chairs: Walter De Wever (Leuven, Belgium), Gergely Szabo (Budapest, Hungary)

PA5240  The Value of Deep Learning for COPD Diagnosis and Grading
Li Yang (Chongqing, China), Boyu Zhang, Ao Liu, Xing Lu

PA5241  CT vessel features improves COPD classification
Kalysta Makimoto (Ajax, Canada), Daniel Gienkin, James Hogg, Jean Bourbeau, Wan Tan, Miranda Kirby

PA5242  Fractal analysis of pulmonary vasculature in COPD: Association with pulmonary function, functional capacity and symptoms
Gauravveer Singh (toronto, Canada), James C. Hogg, Jean Bourbeau, Wan C. Tan, Miranda Kirby

PA5243  Obstruction Grade and Preserved Lung Function assessed with Ventilation/Perfusion SPECT and its association with Lung Function in COPD and healthy smokers
Abir Nasr (Teckomatorp, Sweden), Linnea Jarenbäck, Marika Bajc, Jaro Ankerst, Leif Bjerner, Ellen Tufvesson

PA5244  Automated detection of mucus plugs in CT imaging using a deep learning model
Stijn Bonte (Kontich, Belgium), Éline Lauwers, Patrick Muchmore, Rita João, Ana Cortes, Benjamin Lavon, Wilfried De Backer

PA5245  Assessment of artificial intelligence-aided chest computed tomography in diagnosis of chronic obstructive airway disease: an observational study
Ahmed Abdallah Bayoumy (Amsterdam, Netherlands), Maha M. Saad, Magdy M. El-Nisr, Noha M. Zaki, Tarek H. Khalil, Ahmed F. Elserafi

PA5246  COVID-19 survivors and COPD affected patients capillaroscopy evaluation: a pilot study
Barbara Ruaro (Trieste, Italy), Lucrezia Mondini, Paola Confalonieri, Marco Confalonieri, Antonio Romallo, Mattia Bellan, Francesco Salton

PA5247  CT-detected pulmonary vascular changes are associated with measures of small airways disease in smokers

PA5248  Rapid 3D visualization of airway remodeling in healthy and asthmatic lung biopsies using higher harmonic generation microscopy
Sylvia Spies (Amsterdam, Netherlands), Sofi Vassileva, Mengyao Zhou, Jouke T. Annema, Johannes M. A. Daniels, Peter I. Bonta, Marie Louise Groot

PA5249  PREFUL and 19F Lung MRI predict early effects of Mepolizumab treatment in patients with severe eosinophilic asthma
Julienne Scheller (Hannover, Germany), Hendrik Suhling, Arnd Jonathan Obert, Marius Malte Wernz, Marcel Gutberlet, Andreas Voskrebzen, Peter Howarth, Frank Wacker, Tobias Welte, Jens Vogel-Clausen

PA5250  HypErpolarised Xenon Magnetic Resonance Pulmonary Imaging in PATients with Long-COVID (EXPLAIN): Lung diffusion findings
Emily Fraser (Oxford, United Kingdom), Kher Ng, Laura Saunders, James Grist, Guilhem Collier, Scarlett Strickland, Lotta Gustafsson, Laurie Smith, Ranoromanana Evans, Nevin Vuddamalay, Jenny Rodgers, Huw Walters, Nina Kaith, Avianna Laws, Kenneth Jacob, Anthony McIntyre, Violet Matthews, Amany Elbehairy, Gabriele Abu Aid, Alexander Horsley, Helen Davies, Roger Thompson, Najib Rahman, Jim Wild, Fergus Gleeson

PA5251  129Xe lung ventilation imaging in patients with long COVID without prior respiratory disease
Laura Saunders (Sheffield, United Kingdom), Guilhem Collier, Laurie Smith, Helen Marshall, Alberto Biancardi, Andy Swift, Demi Jakymelen, Scarlett Strickland, Lotta Gustafsson, Ryan Munro, Neil Stewart, Graham Norquay, David Capener, E Explain Study Group, Alex Horsley, A A Roger Thompson, Jim Wild
Contrast enhanced MRI does not detect differences in pulmonary perfusion between patients with long COVID and controls

Laura Saunders (Sheffield, United Kingdom), Paul J. C. Hughes, Kher Lik Ng, Guilhem J. Collier, James Grist, Laurie J. Smith, Scarlett Strickland, Lotta Gustafsson, Alex Horsley, Andy J. Swift, Emily Fraser, Fergus Gleeson, A A Roger Thompson, Jim M. Wild

Emergence of Incidentaloma Following COVID-19 chest CT screening: A Single Center Study

Amel Alameeri (Alain, United Arab Emirates), Nasser Abunamous, Akram Takaleh, Mohamed Abdelsalhen, Shamma Al Nokhatha

Comparison of CT guided transthoracic core needle biopsy (CNB) and fine needle aspiration (FNA) biopsy in terms of diagnostic value, complication and samples adequacy for molecular testing in Lung Cancer. levent arafat (Istanbul, Turkey), Sibel Yurt, Ilhan Nahit Mutlu, Nur Büyükkınarbaşlı, Sultan Rana Ramazanoğlu, Barış Demirkol, Ayşe Bahadir, Aygül Güzel, Mete Arslan Konak

Monitorization Of Pulmonary Nodules In Turkey (MONITUR)

Which pulmonary nodule could be a sign of systemic disease in children?
Nilgun Kula (ankara, Turkey), Tuğba Sismanlar Eyüboğlu, Ayşe Tana Aslan, Pelin Asfuroğlu, Merve Yazol, Öznur Leman Boyunağa

Lung vascular volumes in cystic fibrosis patients before and after Elexacaftor-Tezacaftor-Ivacaftor (ETI) therapy
Ieva Aliukonyte (Rotterdam, Netherlands), Sam L. Durfe, Siddhartha G. Kapnadak, Mary Teresi, Tahuanty Pena, Punitkar Makani, Pradeep K. Singh, David A. Stoltz, Harm Tiddens

Comparison between chest magnetic resonance imaging (MRI) and computed tomography (CT) in adult patients with non-cystic fibrosis (CF) bronchiectasis
Beatrice vivaldi (la spezia, Italy), Giovanna Manfredini, Federica Volpi, Mariapia Niceforo, Francesco Tanurara, Sara Cinquini, Chiara Romei, Federico Lorenzo Dente, Francesco Pistelli, Guido Marchi, Maggie Busini, Roberto Castellana, Annalisa De Liperi, Emanuele Neri, Laura Carrozzi, Roberta Pancani

Small airway dysfunction in patients after mild COVID-19
Helen Beuter (Kiel, Germany), Tamina Niclich, Kira Stanko, Anne-Kathrin Ruß, Lennart Reinke, Carolin Nürnberger, Stefan Störk, Thomas Zoller, Fridolin Steinbeis, Ekaterina Hein, Sina M. Hopff, J. Janne Vehreschild, Peter U. Heuschmann, Wolfgang Lieb, Katrin Franzpöttter, Susanne Poick, Michael Krawczak, Mustafa Abdo, Klaus F Rabe, Jan Heyckendorf, Stefan Schreiber, Anne-Marie Kirsten, Thomas Bahmer

Longitudinal changes of diffusing capacity (DLCO) and dyspnoea after mild COVID-19
Tamina Niclich (, Germany), Helen Beuter, Kira Stanko, Anne-Kathrin Ruß, Lennart Reinke, Carolin Nürnberger, Stefan Störk, Thomas Zoller, Fridolin Steinbeis, Ekaterina Hein, Sina M. Hopff, J. Janne Vehreschild, Peter U. Heuschmann, Wolfgang Lieb, Katrin Franzpöttter, Susanne Poick, Michael Krawczak, Mustafa Abdo, Klaus F. Rabe, Jan Heyckendorf, Stefan Schreiber, Henrik Watz, Thomas Bahmer

Acute disease severity is associated with increased MRI pulmonary perfusion transit times at follow-up in male patients hospitalised due to COVID-19.
Laura Saunders (Sheffield, United Kingdom), Paul J C Hughes, A A Roger Thompson, Martin Brook, David Capener, Louise V Wain, Rachael A Evans, Christopher E. Brightling, C C-More/phosp-Covid Collaborative Group, Stefan Neubauer, Betty Raman, Jim M Wild

Higher inflammatory cytokines in individuals with long-covid with respiratory symptoms after acute severe COVID-19: a longitudinal nested cohort
Cássia Goulart (São Carlos, Brazil), Alex Bezerra Da Silva Maciel, Jefferson Valente, Vanderson Sampaio, Allyson Guimarães, Guilherme Peixoto Tinoco Arêas, Fernando Almeida-Val
Type 2 and non-type 2 inflammatory characteristics after mild COVID-19
Kira Stanko (Kiel, Germany), Helen Beuter, Tamina Nichici, Anne-Kathrin Ruß, Lennart Reinke, Carolin Nürnberger, Stefan Stöhr, Thomas Zoller, Fridolin Steinbeis, Ekaterina Heim, Sina Hopff, J. Janne Vehreschild, Peter U. Heuschmann, Wolfgang Lieb, Katrin Franzpöttter, Susanne Poick, Michael Krawczak, Mustafo Abdo, Klaus F. Rabe, Jan Heyckendorf, Stefan Schreiber, Watz Henrik, Thomas Bahmer

Residual lung abnormalities after 12 months of COVID19 hospitalization: A brazilian multicenter study
Mariana Lima Lafeta (São Paulo (SP), Brazil), Vitor C Souza, Fabiana Oliveira Penido, Maria Fernanda Saldanha, Robson Aparecido Prudente, Luiz Fernando Pereira Brizola, Estefania Aparecida Thome Franco, Flavia Neri Folchino, Eliana Bandini Risso Ribeiro Lopes, Andre Luiz Pereira Albuquerque, Suzana Erico Tanni, Meyer Izbicki, Luiz Eduardo Nery, Rudolf K F Oliveira, Priscila A Sperandio, Eloara V M Ferreira

Pulmonary function in post-COVID patients underwent veno-venous extracorporeal membrane oxygenation: 1-year follow-up
Ferenc Peták (Szeged, Hungary), Fruzsina Kun-Szabó, Gergely H Fodor, Alexandra Pálfi, Ádám I Balogh, Barna Babik

Long-term effects of severe COVID-19 pneumonia on ventilation-perfusion matching
Fruzsina Kun-Szabó (Szeged, Hungary), Alexandra Pálfi, Ádám L. Balogh, József Tolnai, Gergely H. Fodor, Barna Babik, Ferenc Peták

Cardiopulmonary exercise test 3 to 12 months after COVID-19 hospitalization
Mariana Lima Lafeta (São Paulo (SP), Brazil), Vitor C Souza, Thais C F Menezes, Maria Fernanda Saldanha, Flavia Neri Folchino, Eliana Bandini Risso Ribeiro Lopes, Andre Luiz Pereira Albuquerque, Suzana Erico Tanni, Julio P Carlstron, Luiz Eduardo Nery, Rudolf K F Oliveira, Priscila A Sperandio, Eloara V M Ferreira

EXERCISE INTOLERANCE IN LONG COVID AFTER 26 MONTHS FROM SEVERE ACUTE DISEASE
Fernando Val (Manaus, Brazil), Fernanda Facioli Dos Reis Borges, Andrezza Cristina Barbosa Braga, Bernardo Silva Viana, Jefferson Valente, João Marcos Bemfica, Thais Jordão Perez Sant'Anna Motta, Cássia Goulart, Guilherme Peixoto Tinoco Arêas

Exercise Training Improves Symptomatology and Immune Cell Phenotype in Long COVID Patients-Preliminary Results
William Stringer (Long Beach, United States), Ashgar Abbasi, Chiara Gattoni, Michelina Iacovina, Jaqueline Tosolini, Ashrita Singh, Kyaw Soe, Charles Lanks, Carrie Ferguson, Harry Rossiter, Richard Casaburi

Home Spirometry is a Valid and Effective Tool for Tracking Recovery in Pulmonary Function Tests of COVID-19 Survivors
Ashi Görerek Dilektaşlı (Bursa, Turkey), Ozge Aydin Guclu, Nilufer Ozturk, Funda Coskun, Mehmet Karadag

Respiratory muscle strength in ischemic cardiomyopathy and COVID-19 patients.
FRIDA ALBARRAN LOPEZ (México City, Mexico), Emilio Gutiérrez-Luna, Rocio Sanchez, Arturo Orea, Dulce Gonzalez, Tomas Pena, Frida Albarran, Arantza Aguirre, Estefania Xospa, Antonio Sanchez, Ariel Garcia, Karla Sanchez, Benigno Valderrabano, Celemi Vigil, Andrea Zurita, Laura Arcos

Incidence, one-year progression and factors associated with respiratory muscle weakness after discharge from ICU for COVID-19
Guillaume Eberst (Besançon, France), Frédéric Claudé, Meltem Karakaya Akgun, Ophélie Ritter, Lucie Laurent, Aurélie Meurisse, Pauline Roux-Claudé, Lucie Hordequin, Mauriane Plion, Hadrien Winiszewski, Sébastien Pili-Floury, Cindy Barnig, Virginie Westeel

Age-differentiated comparison of health-related quality of life and impacting factors in COPD patients receiving long-term non-invasive ventilation.
Maximilian Zimmermann (Köln, Germany), Franziska Vocht, Doreen Kroppen, Daniel Majorski, Melanie Berger, Sarah Stanzel, Johannes Holle, Falk Schumacher, Tim Mathes, Wolfram Windisch, Maximilian Wollsching-Strobel

The long term responsive ness of the S3NIV questionnaire in patients with home mechanical ventilation
Maria João Santos Silva Oliveira (Vila Nova De Gaia, Portugal), Mafalda Pais, Pedro Viegas, Leonor Roseta, Carla Nogueira, Sara Conde, Carla Ribeiro
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<tr>
<th>ID</th>
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<tr>
<td>PA5275</td>
<td>Outcomes and quality of life in patients discharged with ventilatory support</td>
<td>Lilial Bouajina (Kairouan, Tunisia), Rania Hidri, Hend Zorgati, Sahar Ben Nasr, Yosri Ben Ali, Dhouha Ben Braiek, Oussama Saadaoui, Kacem Ameni, Insen Kherrat, Anis Maatallah, Rahma Ben Jezaia, Jihene Ayachi</td>
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<td>PA5276</td>
<td>Association between phenotype and the S3-NIV Questionnaire in COPD patients on home mechanical ventilation</td>
<td>Ana Maftala Paiva Pais (Porto, Portugal), Maria João Oliveira, Pedro Viegas, Leonor Roseta, Carla Nogueira, Sara Conde, Paula Pamplona, Carla Ribeiro</td>
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<td>PA5277</td>
<td>Bronchiectasis is associated with a higher risk for acute exacerbations in patients with chronic hypercapnic COPD receiving long-term non-invasive ventilation</td>
<td>Andras Bikov (Budapest, Hungary), Zsofia Lazar, Andrew Chai, Andrew Bentley, Balazs Csoma</td>
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<td>PA5278</td>
<td>Correlation between limb muscle impairment and respiratory function in myotonic dystrophy type 1</td>
<td>Roberta Gaeta (Pisa, Italy), Federica Di Giorgi, Miriam De Franceso, Mariapia Niceforo, Lorenzo Fontanelli, Alessandro Celi, Laura Carrozzi, Massimiliano Serradori, Marco Gherardi</td>
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<td>PA5279</td>
<td>Therapy compliance in patients with Obesity hypoventilation syndrome combined with non-invasive ventilation</td>
<td>Martine Groot (Briltil, Netherlands),...</td>
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<td>PA5280</td>
<td>Survival and treatment trends in ALS patients on home mechanical ventilation over 27 years in Sweden</td>
<td>Andreas Palm (Uppsala, Sweden), Ludger Grote, Jonas Einarsson, Karin Ersson, Eva Lindberg, Mirjam Jlunggren, Josef Sundh, Malin Svensson, Magnus Ekström, Ingela Nygren</td>
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<td>PA5281</td>
<td>Domiciliary Non-Invasive Ventilation (NIV) program in children: a pilot project</td>
<td>Elia Balestra (Trieste, Italy), Laura Mazzari, Laura Badina, Massimo Maschio, Francesca Peri, Sergio Ghirardo, Alessandro Amaddeo</td>
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<td>PA5282</td>
<td>A simple model for home initiation of Long-term non-invasive ventilation for treatment of respiratory failure in COPD – a Danish clinical experience</td>
<td>Tine Peick Sonne (Copenhagen, Denmark), Caroline Hedsund, Rasmus Rude Laub, Philip Deleuran Thuro, Jon Torgny Wilcke</td>
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<td>PA5283</td>
<td>Bronchiectasis in patients with central congenital hypoventilation syndrome (CCHS)</td>
<td>Inês Zaïen (Saint-Germain-en-Laye, France), Chahinaz Abdelouahab, Soumaya Ais, Justine Largeau, Thomas Similowski, Christian Straus, Benjamin Dudoignon, Samia Boussouar, Maxime Patout</td>
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<td>PA5284</td>
<td>The effectiveness, adherence and safety of home high flow nasal cannula in patients with chronic respiratory disease and respiratory insufficiency: a systematic review</td>
<td>Cristina Isabel Oliveira Jácome (Viadotos, Portugal), Marta Jácome, Sara Correia, Inês Flores, Patricia Farinha, Mónica Duarte, João Carlos Winck, Javier Sayas Catalan, Salvador Díaz Lobato, Manuel Luján, Cátia Caneiras</td>
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<td>PA5285</td>
<td>Phenotypes of COPD patients with home mechanical ventilation – are they valid in the Portuguese population?</td>
<td>Ana Maftala Paiva Pais (Porto, Portugal), Maria João Oliveira, Luisa Castro, Bárbara Seabra, Alexandra Carneiro, Paula Pamplona, Carla Ribeiro</td>
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<td>PA5286</td>
<td>Nasal continuous positive airway pressure for sleep-disordered breathing after stroke: a systematic review</td>
<td>Guilherme Fregonezi (Rio Grande do Norte, Brazil), Rayane Vieira, Jessica Medeiros, Gonzalo Lillo, Luis Vasconcellos-Castillo, Rodrigo Torres-Castro, Vanessa Resqueti, Matias Otto</td>
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<td>PA5288</td>
<td>Mortality and feasibility of single-limb passive circuit use during home invasive mechanical ventilation: a real-life experience</td>
<td>Letizia Valsecchi (Torino, Italy), Stefania Muggianu, Marco Michele Bardesasso, Michela Maria Bellocchia, Chiara Chiapper, Alessio Mattei, Giulia Anna Poggio, Fulvia Ribolla, Rocco Francesco Rinaldi, Giuseppe Tabbia, Paolo Solidoro</td>
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<td>PA5289</td>
<td>COPD patients’ experience with long-term non-invasive ventilation: A qualitative study</td>
<td>Tine Peick Sonne (Copenhagen, Denmark), Caroline Hedsund, Rasmus Rude Laub, Philip Deleuran Thuro, Jon Torgny Wilcke</td>
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<td>PA5290</td>
<td>&quot;Negative pressure ventilation&quot;(IAPV) as supplement to NIPPV in diaphragmatic paralysis as interface rotation: Single Center experience</td>
<td>Jacopo Civello (milan, Italy), Salvatore Longobardi, Sara Bombelli, Chiara Travierso, Michele Chiericozzi, Paolo Tarsia</td>
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<td>PA5291</td>
<td>Neuromuscular Patients Dependent on Non Invasive Mechanical Ventilation: Psychological Factors Influencing Adherence to NIV</td>
<td>Anna Annunziata (Napoli (NA), Italy), Antonietta Coppola, Cecilia Calabrese, Francesca Simioli, Angela Mirizzi, Antonella Marotta, Lidia Atripaldi, Giuseppe Fiorentino</td>
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Daphne Sjauw (Rotterdam, Netherlands), Lisa Hessels, Marieke Duiverman, Sara Baart, Judith Elshof, Matthijs Janssen, Yasemin Turk, Leo Heunks, Evert-Jan Wils

Disease(s) : Airway diseases, Respiratory critical care, Interstitial lung diseases, Thoracic oncology
Method(s) : Cell and molecular biology, Pulmonary function testing, Pulmonary rehabilitation, Imaging, Physiology, Public health, Respiratory intensive care, Transplantation
Tag(s) : Translational
Chairs : Audrey Joannes (RENNES, France), H. Irene Heijink (Groningen, Netherlands)

PS-6  Session 486  12:30 - 14:00
Poster session: Novel environmental impacts and biomarkers of lung injury

PA5293  Differential expression of WISP1 in Asthma and COPD reveals unique molecular signatures
Maria Elpida Christopoulou (Freiburg im Breisgau, Germany), Eleni Papakonstantinou, Daiana Stolz

PA5295  miRNA expression profiling of lung endothelial cells reveals elevated miR-205-5p in aged mice with persistent lung fibrosis and in IPF-derived endothelial cells
Giuseppe Muscato (Catania, Italy), Benjamin B Roos, Fiorenza Giani, Patrick A Link, Ahmed A Raslan, Carlo Vancheri, Daniel J Tschumperlin, Nunzia Caporarello

PA5296  Evaluating blood inflammatory cells in smokers and patients with COPD: implications for COPD management
Wenying Lu (Newnham, Australia), Josie Larby, Greg Haug, Sukhwinder Singh Sohal

PA5297  Early and accurate diagnosis of systemic sclerosis-related interstitial lung disease: matrix metalloproteinases and their inhibitors as promising biomarkers
Verónica Pulito-Cueto (Santander, Spain), Belén Atienza-Mateo, J.Gonzálo Ocejo-Vinylas, Victor Mora-Cuesta, David Iturbe-Fernández, Joao C. Batista-Liz, María Sebastián Mora-Gil, Mónica Renuncio García, Elena González-López, Ricardo Blanco, Raquel López-Mejias, José M. Cifrián

PA5298  The regulatory effect of VCL/ICAM-1 pathway on the mechanism of inflammatory exudative damage of gas-blood barrier in SARS-CoV-2 patients
Xue Mingshan (Guangzhou, China), Sun Baoqing, Lin Zhiwei, Xiaowen Wang

PA5299  Impaired alveolar regeneration in patients with Anti-MDA5+ DM associated rapidly progressive ILD
Wenxiu Xu (Beijing, China), Shiyou Wang, Guowu Zhou, Huaping Dai, Qingyan Zhan

PA5300  TGF-β1 Overexpression in Severe COVID-19 Survivors: Implications for Early-Phase Fibrotic Abnormalities and Long-Term Functional Impairment
Enrique Alfaro García (Madrid, Spain), Raquel Casitas, Elena Díaz-García, Sara García-Tovar, Raúl Galera, María Vargas, María Fernández-Valilla, Cristina López-Fernández, José M. Añón, Francisco García-Rio, Carolina Cubillos-Zapata

PA5301  Endothelial Dysfunction and Persistent Inflammation in Severe Post-COVID-19 Patients: Implications for Gas Exchange
Enrique Alfaro García (Madrid, Spain), Elena Díaz-García, Sara García-Tovar, Raúl Galera, Raquel Casitas, María Vargas, Cristina López-Fernández, José M. Añón, Francisco García-Rio, Carolina Cubillos Zapata

PA5302  Recapitulation of human pathophysiology and identification of forensic biomarkers in a translational model of chlorine inhalation injury

PA5303  Alterations in the core-matrisome profiles between healthy and COPD lungs
Natalia El-Merhie (Giessen, Germany), Juliane Merl-Pham, Rajender Nandigama, Clemens Ruppert, Andreas Guenther, Malgorzata Wygrecka, Stefanie M. Hauck, Rajkumar Savai, Claudia A. Staab-Weijnitz, Grazyna Kwapiszewska

PA5304  Effect of lipid saturation and oxidation on fibrogenesis in IPF
Marissa O’Callaghan (County Cork, Ireland), Harshavardhana Ediga, Elizabeth J Tarling, Evelyn Lynn, Aurelie Fabre, Elizabeth F Redente, James P Bridges, Satish Madala, Michael P. Keane, Cormac Mccarthy

PA5305  Molecular and Therapeutic Significance of sNASP-TRAF6 axis in DEP-exacerbated airway allergic asthma
Feng-Ming Yang (Taipei, Taiwan), Chu-Yun Chen
Identification of molecular mechanisms driving hypercapnia-induced downregulation of protein translation in the alveolar epithelium
Vitalii Kryvenko (Giessen, Germany), Elisa Schnell, Werner Seeger, István Vadász

Exploring the influence of fibrotic tumour microenvironment on lung cancer development using in vitro 2D y 3D cell culture models
Isabel Alfaya Fiaño (Barcelona, Spain), Paloma Millan Bili, Maria Saigi, Oscar Mesia-Carbonell, Marco Rallo, Antoni Rosell Gratacos, Jorge Abad Capa, Raquel Guillamat Prats, Karina Portillo Carroz

Human lung alveolar cells exposed to cigarette smoke: role of 3,5-diiodothyronine in mitochondrial dysfunction
Francesca Panico (Napoli, Italy), Giuseppe Spaziano, Davida Mirra, Renata Esposito, Rosalba Senese, Giuseppe Pettito, Antonia Lanni, Rita Citraro, Luca Gallelli, Bruno D’Agostino

Cigarette Smoke with Poly I:C Challenges as an exacerbation model of acute lung inflammation
George Scott (Tarrytown, United States), Kaitlyn Gayvert, Weikeat Lim, Andrew Murphy, Seblewongel Asrat, Matthew Sleeman, Jamie Oreno

Human Epididymis Protein 4 (HE4): more than a marker for lung injury?
Koray Potel (Balingen, Germany), Paul Peppard, Alhussein Khawaji, Fanchia Megovern, Fiona Furlong, Nazia Chaudhuri, Bettina Schock

Air pollution causes stemness and progenitor dysfunction in AECII: the potential for COPD development.
Yu-syuan Shih (Taipei, Taiwan), SYUE-WEI PENG, Hsiao-Chi Chuang

Understanding the Impact of Macrophages on Lung Transplant Outcomes
Edith Katharina Plucinski (Hannover, Germany), Jan-Christopher Kamp, Svenja Gaedcke, Christopher Werlein, Da-Hee Park, Jens Gottlieb, Tobias Welte, Hans-Heinrich Kreipe, Danny David Jonigk, Lavinia Neubert, Mark Philipp Kühnel

Multiplex Immunofluorescence and Multispectral Imaging as a tool to evaluate host directed therapy against tuberculosis
Nikolas Jakobs (Lübeck, Germany), Kerstin Walter, Johanna Volz, Torsten Goldmann, Sebastian Marwitz, Markus Weckmann, Folke Brinkmann, Christoph Hölscher

Combining a phage cocktail with antibiotics improves recovery from Pseudomonas-induced VAP in mice
Chantal Viola Weißfuß (Berlin, Germany), Jingjing Li, Ulrike Behrendt, Magdalena Bürlke, Baptiste Gaborieau, Gopinath Krishnamoorthy, Jean-Damien Ricard, Laurent Debarbieux, Martin Witzenrath, Matthias Felten, Geraldine Nouailles

Inflammatory mediators and lung function in older COVID-19 survivors.
Daniela Cataneo (Mexico City, Mexico), Leslie Chávez-Galán, Lidia Mondragón-Pasadas, Natalia Sánchez-Garrido, Ivette Buendia-Roldán

A novel aerosolised mRNA-based vaccine delivery platform
Sean McCarthy (Galway, Ireland), Ignacio Sallent, Claire H. Masterson, Matt Angel, Christopher Rohde, John G. Laffey, Daniel O’Toole

Study of the humoral immune response against SARS-CoV-2 post-infectious and post-vaccination
Fatima Zahra SOUID (Alger, Algeria), Samia Mamouzi, Ali Zerouki

Neural Network-Assisted Humanization of COVID-19 Hamster Transcriptomic Data Reveals Matching Interspecies Severity States
Peter Pennitz (Berlin, Germany), Vincent Friedrich, Emanuel Wyler, Julia Adler, Dylan Postmus, Luiz-Gustavo Teixeira, Julia Prigann, Fabian Pott, Daria Vladimirova, Thomas Hoefler, Cengiz Goeker, Markus Landthaler, Christine Goffinet, Antoine-Emmanuel Saliba, Markus Scholz, Martin Witzenrath, Jakob Trimpert, Holger Kirsten, Geraldine Nouailles

Mitochondrial antiviral signalling protein (MAVS) triggers innate immunity against bacterial lung infection
Timothy Hinks (Oxford, United Kingdom), Yuqing Long, Michael Edwards, James Porter, Paul Klenerman

Late Breaking Abstract - Human airway epithelia clear rhinovirus-infected cells by extrusion
Faith Fore (London, United Kingdom), Dustin Bagley, Jody Rosenblatt
Tyndallized bacteria prime bronchial epithelial cells to mount an effective innate immune response against infections
Serena Di Vincenzo (Palermo (PA), Italy), Caterina Di Sano, Claudia D'Anna, Maria Ferraro, Velia Malizia, Andrea Bruno, Marta Cristaldi, Chiara Cipollina, Valentina Lazzara, Paola Pinto, Stefania La Grutta, Elisabetta Pace

Sputum Azurocidin-1 is a marker of disease severity and microbiome dysbiosis in adult bronchiectasis, and increases in response to Rhinovirus challenge in COPD.
Emma Johnson (Paisley (Renfrewshire), United Kingdom), Megan Crichton, Amy Gilmour, Merete Long, Morven Shuttleworth, Erin Cant, Anthony De Soya, Katerina Dinakou, Michal Shteinberg, Arietta Spinou, Felix Ringshausen, Natalie Lorent, Pieter Goeminne, Michael Loebinger, Sanjay Chotirmall, Raja Dhar, Charles Haworth, Josie Altenburg, Francesco Blasi, Tobias Welte, Oriol Sibila, Stefano Aliberti, Amelia Shoemark, Patrick Mallia, Joseph Footit, Sebastian Johnston, Aran Singanayagam, James Chalmers

Under the hypcapnic challenge: how macrophages react to pneumonia-causing bacteria
Elena Campaña-Duel (Sabadell, Spain), Adrian Ceccato, Aina Areyn-Balagueró, Sara Quero, Lluis Blanch, Laia Fernández-Barat, Antonio Artigas, Marta Camprubí-Rimblas

A role for anti-IL33 strategies to limit the epithelial rhinoviral response?
Ian Sayers (Nottingham (Nottinghamshire), United Kingdom), Michael Portelli, Azaz Ahmed

OM-85’s anti-rhinovirus response assessed on human primary nasal epithelial cells
Susan De Groof (Bern, Switzerland), Sara Gammenthaler, Christian Pasquali, Loretta Müller

Cohort of Spanish population in post-infectious bronchiolitis obliterans, role of epigenetic regulation by microRNAs
Gemma Garcia del Cerro (Barcelona, Spain), Ines De Mir Messa, Alba Torrent Vernetta, Ralf Schubert, Silvia-Pera Jerkic, Nuria Camats Tarruella, Noelia Baz Redon, Antonio Moreno Galdo, Sandra Rovira Amigo, Ana Diez Izquierdo, Ignacio Iglesias Serrano, Laura Armendariz Lacasa, Fatima Castillo Gomez, Silvia Gartner Tizzano

Polyamines as regulators of pulmonary inflammation
Polina Yarova (Newcastle upon Tyne, United Kingdom), Rayyan B.A. Al-Zadjali, Jonathan Scott, Elisia Josiah, Emma Turnbull, Caitlin E. Ebbern, Vysevolod S. Telezhkin, Anthony Rostron, Daniela Riccardi, A. John Simpson

Unveiling the Immunophenotypes of Pneumonitis in Cancer Treatment Through Mass Cytometry Exploration
Toyoshi Yanagihara (Fukuoka, Japan)

Mendelian randomization analysis identifies intestinal flora causally associated with asthma-related infections and pneumonia
Jing Zhang (Shanghai (Xuhui District), China), Zhi-Xuan Chen

Plasma and bronchoalveolar lavage inflammatory profiles predicts severe disease outcomes in patients with COVID-19 and Influenza
Joaquin Zuniga (Ciudad de México, Mexico), Tatiana Rodriguez-Reyna, Luis Jiménez-Alvarez, Alfredo Cruz-Lagunas, Nora Regino-Zamarripa, Valeria Irineo-Moreno, Maria Leyva-Zilli, Victoria Munoz-Guido, Diana Moreno-Arellano, Gustavo Ramirez-Martinez

The CX3CL1 Chemokine in Bronchoalveolar Lavage Fluid and its Cellular Sources in Diffuse Parenchymal Lung Diseases
Eva Tedlova (Bratislava, Slovakia), Magda Suchankova, Jan Urban, Vladimir Leksa, Eszter Zsemlye, Michaela Kardohelyova, Martina Ganovska, Elena Tibenska, Kinga Szaboova, Marta Hajkova, Maria Bucova

Association between various sleep behaviors and the risk of metabolic-associated fatty liver disease: A cross-sectional analysis.
Yuqing Cai (Fujian Province, China), Jia Chen, Xiaoyu Deng, Caiyun Wang, Jiefeng Huang, Ningfang Lian

Role of intestinal metabolites in the impact of obstructive sleep apnea on immunotherapy for lung cancer
Peining Zhou (Beijing, China), Cuiyan Guo, Ligong Nie, Cheng Zhang, Yuan Cheng, Jing Ma, Guangfag Wang
Obstructive Sleep Apnea and Major Osteoporotic Fractures Risk
Daniela Krasimirova (Sofia, Bulgaria), Ventsislava Pencheva-Genova, Ognyan Georgiev, Radoslav Biliyukov, Tzanko Mondeshki, Sevda Naydenska-Grudkova

Impact of the visceral adipose tissue on respiratory and bone variables in patients with untreated mild-to-severe obstructive sleep apnoea
Giulia Sartori (Verona, Italy), Andrea Grettier, Federica Margherita Lovati, Rosaria Caprino, Giovanni Viterale, Francesco Bertoldo, Ernesto Crisafulli

Co-morbid insomnia and sleep apnoea is associated with increased hypertension risk in a middle-aged population
Ding Zou (Gothenburg, Sweden), Mio Kobayashi Frisk, Joel Bergqvist, Sven Svedmyr, Philippe Diamantis, Göran Bergström

Synergy of Smoking and Obstructive Sleep Apnea: Cardiovascular Comorbidity and Oxygenation Impact
María de la Fuente (Logroño, Spain), Marta Cristeto, Alejandra Roncero, Paula Rodriguez, Mariola Bretón, M. Dolores Ramírez, María Torres, Carlos Ruiz

Development and validation of a nomogram to predict hypertension in patients with Sleep-disordered breathing: A Chinese Community-Based Study
Feng Tong (Guangzhou City, China), Qiong Ou

Obstructive Sleep Apnoea and C-reactive protein levels: Data from the ESADA
Ludger Grote (Göteborg, Sweden), Haralampos Gouveris, Lea Lethuillier, Johan Verbraeckens, Ozen Basoglu, Sophia Schiza, Ondrej Ludka, Silke Ryan, Pavol Joppa, Francesco Fanfulla, Stefan Mihaiucuta, Pawel Sliwinski, Tarja Saarestranta, Jan Hedner, Jean Louis Pepin, Sebastien Baillly

Preserved ratio impaired spirometry and OSA may contribute to cardio-metabolic complications: evidence from the ESADA cohort
Izolde Bouloukaki (Heraklion, Crete, Greece), Paschalis Steiropoulos, Athanasia Pataka, Carolina Lombarti, Johan Verbraeckens, Ozen Basoglu, Dries Testelmans, Georgia Trakada, Ludger Grote, Mafalda Van Zeller, Maria Bonsignore, Walter McNicholas, Sophia Schiza

Effect of OSA on severity and clinical outcomes of patients with Acute Pulmonary Embolism (PE)
Izolde Bouloukaki (Heraklion, Crete, Greece), George Stathakis, Vaia Stamatopoulou, Georgios Pitsidianakis, Ioanna Mitrouskas, Foteinaki Irini, Michail Fanaridis, Nikolaos Tzanakis, Sophia Schiza

Prevalence of Obstructive Sleep Apnea among patients with Venous Thromboembolic Disease: a systematic review and meta-analysis.
Carlos Carrera Cueva (Sevilla, Spain), Antoni Javier Vallejo Vaz, Elva María Mendoza Zambrano, Adela Berenice Brown Arreola, Verónica Sánchez López, Francisco Javier Medrano Ortega, Enrique José Calderón Sandubete, Candelaria Cabrallero Eraso, Remedios Otero Candelera

Clinical patterns of severe obstructive sleep apnea (OSA): a cluster analysis based on systematic assessment
Biwen Mo (Gui Lin, China), Dong Yao, Yan Zhou, Shuyuan Chu

Urinary metabolomic biomarkers predict early cardiovascular risk in moderate-to-severe obstructive sleep apnea
Jinmei Luo (Beijing, China), Yuxin Wang, Xiaona Wang, Rong Huang, Yi Xiao

The prognostic capacity of Sleep apnea-specific hypoxic burden on the incidence of cardiovascular events: A comparative study with traditional polygraphic parameters in patients with Obstructive Sleep Apnea.
Grace Jacqueline Oscullo Yepez (Valencia, Spain), Thais Beauhertuy Levi, Marina Ingles Azorin, Sergio Mompean Rodriguez, Rosalía Martinez Perez, José Gomez Olivas, Consuelo Lopez Fornas, Amina Bekki, Alberto Garcia Ortega, Manuel Sanchez De La Torre, Miguel Angel Martinez Garcia

Sustained oximetric desaturation as a cardiac risk indicator remains correlated with nonspecific sleep apnea indices.
Neil Skjodt (Lethbridge, AB, Canada)

Does An Association Exist Between A PSG Parameter and Cardiovascular Risks?
Anshu Priya (New Delhi (Delhi), India), Amita Athavale

Comparisons of cardiovascular risk scores in patients with obstructive sleep apnea - the European Sleep Apnea Database (ESADA)
Ding Zou (Gothenburg, Sweden), Dries Testelmans, Sandhya Matthes, Sébastien Baillieu, Izolthi Bouloukaki, Ozen K. Basoglu, Pawel Sliwinski, Paschalis Steiropoulos, Johan Verbraeckens, Carolina Lombardi, Gianfranco Parati, Walter T. McNicholas, Silke Ryan, Sophia Schiza, Winfried Randerath, Sébastien Baillly On Behalf Of Esada Group

Sleep apnea is associated with reduced in-hospital mortality in patients admitted for acute heart disease
Florent Baty (St. Gallen, Switzerland), Maurice Moser, Gian-Reto Kleeer, Michà Maeder, Hans Rickli, Otto Schoch, Martin Brutsche
PA5351  Is obstruction obstructing survival? Long-term mortality in patients with chronic obstructive pulmonary disease requiring acute non-invasive ventilation with and without obstructive sleep apnoea.  
Benjamin Nguyen (Sydney, Australia), Collette Menadue, Brendon Yee, Olivia McGuinness, Keith Wong, Nathaniel Marshall, Edmund Lau, Amanda Piper

PA5352  TRENDS IN CARDIOVASCULAR MORTALITY IN PATIENTS WITH SLEEP APNEA IN THE UNITED STATES FROM 1999 TO 2020  
Muhammad Ali Tariq, Ahmed Gang, Minhail Malik

PS-9  Session 489  12:30 - 14:00  
Poster session: Unravelling the potential of interleukin-5 pathways in asthma

Disease(s):  Airway diseases, Pulmonary vascular diseases
Method(s):  Pulmonary function testing, General respiratory patient care, Cell and molecular biology, Imaging, Epidemiology
Tag(s):  Translational

PA5353  Impact of anti-eosinophilic biologic strategies on bronchial hyperreactivity in severe asthma  
Mario Di Stasio (Roma, Italy), Francesca Cefaloni, Veronica Adiletta, Cristina Boccabellia, Luca Richeldi, Matteo Bonini

PA5354  Baseline characteristics of patients with severe eosinophilic asthma treated with benralizumab who reduced to anti-inflammatory reliever only vs high-, medium- or low-dose inhaled corticosteroid/formoterol: SHAMAL post-hoc analysis  
Brian Kent (Dublin, Ireland), Katrin Milger-Kneidinger, Liam G Healney, Andrew Menzies-Gow, Anat Shavit, Lynda Olinger, David J Jackson

PA5355  Factors influencing lung function changes when inhaled corticosteroid/formoterol is reduced in patients with severe eosinophilic asthma treated with benralizumab  
David Jackson (London, United Kingdom), Anat Shavit, Frank F Käßner, Andrew Menzies-Gow, Lynda Olinger, Fabiano Di Marco, Gilles Devouassoux

PA5356  Asthma Exacerbation Profile on open label treatment with Benralizumab for severe eosinophilic asthma [BenRex]  

PA5357  Exacerbation reduction data with benralizumab in subgroups of patients with severe eosinophilic asthma (SEA) from Central Europe and Baltics (BREEZE)  
Kestutis Malakauskas (Kaunas, Lithuania), Maria Staevska, Zsuzsanna Csoma, Norbert Pauk, Béla Irás, Jurate Baukiene, Florin Mihaltan

PA5358  Early and continued asthma control improvement in patients with severe eosinophilic asthma (SEA) over 1 year post benralizumab initiation: real-world XALOC-2 programme  
Lieven Dupont (Leuven, Belgium), Erikia Penz, Benjamin Emmanuel, Trung N Tran, Andrew Menzies-Gow, Anat Shavit, David Cohen, Calvin N Ho, Tanja Plaet, Sheena Kayaniyil, An Herreman, Claudio Schuoler, Marek Lommatzsch, Thomas Rothe

PA5359  Effect of dupilumab on small airway dysfunction in real-life severe asthma: Japanese multi-center prospective cohort  

PA5360  Evaluation of mepolizumab (MPZ) treatment in Eosinophilic Granulomatosis with Polyangiitis (EGPA) patients in an asthma clinic  
Laura Castellanos López (Madrid, Spain), Carolina Cisneros Serrano, Maria Celeste Marcos, Marta Solis García, Ana Sofia Martin Hernández, Mateo Hevia Menéndez, Ana Arcos García, Adrián Peláez-Ladars, Carlos Melero Moreno

PA5361  Blood eosinophil subtype distribution following treatment with mepolizumab in patients with severe eosinophilic asthma  
Airidas Rinkunas (Kaunas, Lithuania), Andrius Januskevicius, Egle Vasey, Jolita Palacianytje, Inesa Jermalaviciene, Skaidrius Miliauskas, Kestutis Malakauskas

PA5362  Clinical variables associated with achieving improvement in asthma control with mepolizumab in patients from the REDES study  
Christian Domingo Ribas (Sabadell (Barcelona), Spain), Teresa Carrillo Díaz, Eva Martínez Moragón, David Bañas Conejero, Peter Howarth, Lingjiao Zhang
The influence of Adherence to inhaled Corticosteroids (ICS) on treatment Response to mepolizumab treatment in severe Eosinophilic asthma
Mohammed Almutairi (Birmingham, United Kingdom), John Marriott, Zahraa Jalal, Louise Wood, Batool Almoosawi, Samantha Caddick, Babita Rajkumari, Susan Renwick, Siobhan Wilkinson, Caroline Gallagher, Thomas Duffin, Adel Mansur

Asthma remission in patients with eosinophilic granulomatosis with polyangiitis (EGPA) following treatment with benralizumab or mepolizumab
Arnaud Bourdin (Montpellier Cedex 5, France), Michael E Wechsler, David J Jackson, Salman Siddiqui, Peter Baudy, Andrew Menzies-Gow, Sofia Necander, Anat Shavit, Claire Walton

Reduction in FeNO on anti-IL5 biologics is associated with clinical remission of severe asthma
Marianne Bastrup Soendergaard (København N, Denmark), Susanne Hansen, Kjell Erik Julius Haakansson, Anna Von Bülow, Anne-Sofie Bjerrum, Johannes Martin Schmid, Claus Rikard Johnsen, Ole Hilberg, Charlotte Suppli Ulrik, Celeste Porsbjerg

Effectiveness of Mepolizumab in patients with late-onset severe eosinophilic asthma and fixed obstruction, a 2-Year Follow-Up: The MESILICO study
Kalliopi Domvri (Thessaloniki, Greece), Konstantinos Porpodis, Ioanna Tsiourprou, Savvas Damdounis, Petros Bakakos, Paschalis Steiropoulos, Athanasios Voulgaris, Konstantinos Katsoulis, Maria Kipourou, Konstantinos Kostikas, Katerina M Antoniou, Andraana I Papatoanou, Nikoletta Rovina, Paraskevi Katsaounou, Stavros Tryfon, Evangelia Fouka, Despoina Papakosta, Stellos Loukides

Effect of benralizumab on airway mucus, air-trapping and airway volume, assessed by functional respiratory imaging in severe eosinophilic asthma
Lennart Conemans (Maastricht, Netherlands), Miriam Groenen, Sami Simons, Martijn Spruit, Bita Hajiyan

Effect of immunosuppressant coadministration with mepolizumab for moderate to severe eosinophilic granulomatosis with polyangiitis(EGPA)
NAOMI TSURIKISAWA (Yokohama, Japan), Nami Masumoto, Yuto Motobayashi, Kosuke Terada, Yuka Kodama, Yuga Yamashita, Hinako Masumitsu, Takeshi Kaneko

Asthma loss of control after switch from anti-IL5/5R drugs to dupilumab in severe eosinophilic asthma: a case series.
Camille Poisson (DIJON, France), Cécile Chénivesse, Edouard Cuville, Cindy Barnig, Caroline Claro, Clairelyne Dupin, Gilles Mangiapane, Camille Rolland-Debord, Philippe Bonniaud, Camille Taillé

Diagnostic value of blood inflammatory and oxidative stress markers in severe allergic eosinophilic asthma patients undergoing anti-IL-5/5R therapy
Andrius Januskevicius (Kaunas, Lithuania), Jolita Palacionyte, Egle Vasyle, Airidas Rimkunas, Inesa Jermalaviciene, Skaidrius Miliusauskas, Kestutis Malakauskas

Dupilumab Reduces Exacerbations and FeNO Levels and Improves Asthma Control with Inhaled Corticosteroid Withdrawal: a Phase 2 Study
Michael E. Wechsler (Denver, United States), David J. Jackson, Klaus F. Rabe, Ian D. Pavord, J. Christian Virchow, Rohit Katial, Elliot Israel, Changming Xia, Mena Soliman, Nami Pandit-Abid, Juby A. Jacob-Nara, Harry Sacks, Paul J. Rowe, Yamo Deniz

Late Breaking Abstract - Benralizumab reduces eosinophils and ANCA in sputum in EGPA
Manal Mukherjee (Hamilton (ON), Canada), Nadia Suray Tan, Chynna Huang, Brian Kim, Katherine Radford, Carmen Venegas Garrido, Anurag Bhalla, Eva Rodriguez-Suárez, Michael Wechsler, Brandie Walker, Lena Börjesson Sjö, Sofia Necander, Ali Ashkar, Julie Weidner, Roma Sehmi, Christopher Mccrae, Nader Khalidi, Parameswaran Nair

Joint session: Vaccine horizons: bridging gaps, building futures
Aims: To explore key aspects of respiratory infections, focusing on their burden, prevention strategies, community engagement to enhance vaccine uptake and advancements in vaccine development; to shed light on the substantial burden of respiratory infections and effective preventive measures; to emphasise community engagement, highlighting strategies to improve vaccine uptake and enhance public health outcomes through collaboration with local communities; to delve into novel approaches and upcoming developments in vaccines against respiratory infections, offering insights into cutting-edge research and potential breakthroughs; to equip participants with comprehensive knowledge and practical approaches to combat respiratory infections and promote population health.

Disease(s): Respiratory infections
Method(s): Epidemiology Public health
Tag(s): Translational
Target audience: Adult pulmonologist/ Clinician, Clinical researcher, General practitioner, Medical Student, Patient, Physician in Pulmonary Training, Scientist (basic, translational), Journalist
Chairs: Raquel Duarte (Porto, Portugal), Cécile Magis-Escurra (Nijmegen, Netherlands)
12:45  The burden of respiratory infections and how to prevent them
Leif Erik Sander (Berlin, Germany)

13:00  Vaccines against respiratory infections: novel approaches and upcoming developments
Thomas Wilkinson (Southampton (Hampshire), United Kingdom)

13:15  Community engagement: how to improve vaccine uptake and public health outcomes
Odile Launay (Paris, France)

13:30  Discussion and Q&A
All Speakers

12:45-13:45  INDUSTRY LUNCHTIME SYMPOSIUM  SEE PAGE 1

Studio  Session 492  13:00 - 14:00

Skills lab: Oscillometry and spirometry

Aims: To demonstrate the measurement of lung function with simple (handheld) and/or professional spirometers, including how to prepare the equipment and perform an optimal test; to demonstrate forced oscillometry measurements and to highlight techniques that ensure accuracy; to discuss the interpretation of results, the clinical relevance of measurements and the advantages/disadvantages of the two techniques. All this will be achieved with live demonstrations, case studies of adults/children and interactive questions/discussion.

Disease(s): Airway diseases
Method(s): Pulmonary function testing
Tag(s): Clinical

Chairs: Frans H.C. De Jongh (Enschede, Netherlands), Rachel Ong-Salvador (Amsterdam, Netherlands), Apostolos Bossios (Stockholm, Sweden)

13:00  Introduction
Frans H.C. De Jongh (Enschede, Netherlands), Apostolos Bossios (Stockholm, Sweden)

13:05  Spirometry procedure
Frans H.C. De Jongh (Enschede, Netherlands), Rachel Ong-Salvador (Amsterdam, Netherlands)

13:15  Oscillometry procedure
Frans H.C. De Jongh (Enschede, Netherlands), Rachel Ong-Salvador (Amsterdam, Netherlands)

13:35  Case discussion (Spirometry paediatric, adult, oscillometry)
Frans H.C. De Jongh (Enschede, Netherlands), Rachel Ong-Salvador (Amsterdam, Netherlands), Chung-Wai Chow (Toronto (ON), Canada)

C4  Session 493  13:45 - 15:15

State of the art session: Airway diseases
Treatable traits in airway diseases: novel insights with a focus on personalised medicine

Aims: To provide an update on the concept of treatable traits; to discuss the everyday treatable traits encountered in clinical practice and the proposed treatable traits, which are based on the two dominant phenotypes, T2 high and low; to focus on eosinophils and infections as the key factors in these phenotypes, which often co-exist; to discuss extrapulmonary treatable traits; to provide valuable knowledge and insights that will help participants provide better care to their patients.

Disease(s): Airway diseases, Respiratory infections
Method(s): General respiratory patient care, Physiology
Tag(s): Translational

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

Chairs: Celeste Michala Porsbjerg (Copenhagen, Denmark), Florence Schleich (Liège, Belgium), Nicolas Roche (Paris, France)

13:45  Eosinophilic airway inflammation
Alexander Mathioudakis (Manchester, United Kingdom)

14:00  Bacterial, viral and fungal infections
Sanjay Haresh Chotirmall (Singapore, Singapore)
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<tr>
<td>14:15</td>
<td>Extrapulmonary treatable traits: prevalence, burden and undertreatment</td>
<td>Lowie Vanfleteren (Göteborg, Sweden)</td>
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<td>14:30</td>
<td>Recognising treatable traits and including them in the model of care for a personalised approach to airway diseases</td>
<td>Vanessa M. McDonald (Newcastle (NSW), Australia)</td>
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<tr>
<td>14:45</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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### C2 Session 494 13:45 - 15:15

**Clinical trials session: ALERT 3: Combating infection: children, adults and cystic fibrosis**

**Aims:** The ALERT sessions (Abstracts Leading to Evolution in Respiratory Medicine Trials) showcase important and very late-breaking clinical trial data from all respiratory disease areas. Presenters, discussants, session chairs and the audience will actively discuss the showcased trials.

**Tag(s):** Clinical

**Chairs:** Darren Taichman (Boston, United States), Chair to be confirmed

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<td>13:45</td>
<td>RCT5390</td>
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<td>13:52</td>
<td>RCT5391</td>
<td>All Speakers</td>
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<td>13:59</td>
<td>RCT5392</td>
<td>Natalie Lorent (Leuven, Belgium)</td>
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<td>14:24</td>
<td>RCT5393</td>
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<td>RCT5395</td>
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<td>14:45</td>
<td>RCT5396</td>
<td>Wrap-up by discussant and discussion</td>
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<td>15:10</td>
<td>RCT5397</td>
<td>Closing remarks</td>
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### C5 Session 495 13:45 - 15:15

**Hot topics: Paediatric asthma in 2024: from prevention to transition**

**Aims:** To present the increasing evidence that antenatal, genetic and exposure factors influence not only the course of asthma but also its onset; to discuss data from large cohort studies and interventional trials that suggest the potential for primary prevention of asthma; to discuss asthma management strategies and the differences between children and adults care, as well as the need of an overarching strategy to ensure a seamless transition for the patient from childhood to adulthood.

**Disease(s):** Paediatric respiratory diseases

**Method(s):** Physiology  Pulmonary function testing

**Tag(s):** Clinical

**Target audience:** Adult pulmonologist/Clinician, Medical Student, Nurse, Paediatrician, Patient, Physician in Pulmonary Training

**Chairs:** Angela Zacharasiewicz (Wien, Austria), Andrew Bush (London, United Kingdom)

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<td>13:45</td>
<td>RCT5398</td>
<td>Asthma prevention in childhood: where are we 2024</td>
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<td>14:00</td>
<td>RCT5399</td>
<td>Indoor and outdoor air pollution and its effect over the life span causing asthma</td>
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<td>14:15</td>
<td>RCT5400</td>
<td>Phenotype-based therapy: are pediatric and adult asthma different?</td>
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### Session 496
**Symposium: Pulmonary rehabilitation: global adaptation and implementation**

**Aims:** To describe the global guidance for pulmonary rehabilitation (PR) and to identify the need and gap particularly in low-to-middle-income countries; to describe the particular challenges, evidence and potential solutions for PR in low-to-middle-income countries including learning about cultural adaptation from high-income countries; to raise awareness of the health inequalities in access to PR globally and processes that can be utilised to reduce them; to describe ways to improve PR training and capacity.

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

**Method(s):** General respiratory patient care, Physiology, Pulmonary rehabilitation

**Tag(s):** Clinical, Congress theme: Humans and Machines: getting the balance right

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

**Chairs:** Hilary Pinnock (Edinburgh, United Kingdom), Thomas Gille (Bobigny, France), Jellien Makonga-Braaksma (Woudenberg, Netherlands)

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<tr>
<td>13:45</td>
<td>Detection of chronic respiratory disease and the challenges of disease management in low-to-middle-income countries</td>
<td>Sarah Rylance (Geneva, Switzerland)</td>
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<tr>
<td>14:00</td>
<td>Do we need to adapt pulmonary rehabilitation for delivery in low-to-middle-income countries?</td>
<td>Mark Orme (Leicester, United Kingdom)</td>
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<tr>
<td>14:15</td>
<td>How can we adapt pulmonary rehabilitation for diverse populations to reduce health inequalities?</td>
<td>Soo Chin Chan (Kuala Lumpur, Malaysia)</td>
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<td>14:30</td>
<td>How can we increase capacity in pulmonary rehabilitation using examples from lower-to-middle-income countries?</td>
<td>Sundeep Santosh Salvi (Pune (Maharashtra), India)</td>
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<tr>
<td>14:45</td>
<td>Patient's perspective</td>
<td>All Speakers</td>
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<td>14:50</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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### Session 497
**Respiratory medicine meets other disciplines: When systemic rheumatic diseases involve the lungs**

**European Alliance of Associations for Rheumatology and European Respiratory Society session**

**Aims:** To discuss rheumatic-associated pulmonary diseases, including clinical presentations, novel management recommendations, updates and the translational landscape, covering pulmonary vascular disease in systemic rheumatic diseases, including interstitial lung disease associated with rheumatoid arthritis, connective tissue disease including systemic sclerosis, mixed connective tissue diseases, and Sjögren’s disease, as well as bronchiectasis related to rheumatoid arthritis, both from the rheumatology and pulmonology perspective.

**Disease(s):** Interstitial lung diseases, Pulmonary vascular diseases, Respiratory critical care

**Method(s):** Epidemiology, General respiratory patient care, Pulmonary rehabilitation

**Tag(s):** Clinical

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

**Chairs:** Carlos Robalo Cordeiro (Coimbra, Portugal), Catharina C. Moor (Rotterdam, Netherlands), Maria Kouloupolou (London, United Kingdom)

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<th>Time</th>
<th>Title</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>13:45</td>
<td>Patient's perspective</td>
<td>All Speakers</td>
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<tr>
<td>13:50</td>
<td>Rheumatic-associated interstitial lung disease: rheumatologist's view</td>
<td>Anna Maria Hoffmann-Vold (Oslo, Norway)</td>
</tr>
</tbody>
</table>
Session 498 13:45 - 15:15
Symposium: Cystic fibrosis beyond cystic fibrosis: recent advances and new perspectives

Aims: To provide comprehensive understanding of the most up-to-date evidence and recommendations for respiratory and holistic care of people with cystic fibrosis, with particular mention of adult care; to highlight the strong need for holistic care aimed at an adult population that is growing over time and developing new clinical needs; to increase awareness of the barriers that create the strong inequalities between countries in the provision of cystic fibrosis care; to provide insights into the ongoing European Cystic Fibrosis Society standards-of-care updates, which are expected to be published throughout 2024.

Disease(s): Paediatric respiratory diseases, Respiratory infections

Method(s): Epidemiology, Transplantation

Tag(s): Clinical

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

Chairs: Andrea Gramegna (Milano (MI), Italy), Eva Polverino (Barcelona, Spain), Bülent Taner Karadag (Istanbul, Turkey)

13:45 A changing scenario: will we still see advanced lung disease?
Pierre-Régis Burgel (Paris, France)

14:00 Standards for the care of people with cystic fibrosis: insights from the European Cystic Fibrosis Society update for 2024
Michal Shteinberg (Haifa, Israel)

14:15 Tackling health inequalities in the global cystic fibrosis community
Samia Hamouda (Tunis, Tunisia)

14:30 Acquired cystic fibrosis transmembrane conductance regulator dysfunction in chronic respiratory diseases: a new mechanism to treat?
Marcus Mall (Berlin, Germany)

14:45 Patient's perspective
Speaker to be confirmed

14:50 Discussion and Q&A
All Speakers
13:50 Lung cancer screening implementation gaps in Europe
Joanna Chorostowska-Wynimko (Warsaw, Poland) 5423

14:05 Pan-European guidelines for lung cancer screening: does one size fit all?
Torsten Gerriet Blum (Berlin, Germany) 5424

14:20 How to translate quality standards into good lung cancer screening programmes: the United Kingdom experience
David Baldwin (Nottingham (Nottinghamshire), United Kingdom) 5425

14:35 Update on incidental findings in low-dose computed tomography lung cancer screening for pulmonologists: emphysema, interstitial lung abnormalities and beyond
Georgia Hardavella (Athens, Greece) 5426

14:50 Discussion and Q&A
All Speakers 5427

14:00-14:45 INDUSTRY SKILLS LAB WORKSHOP
SEE PAGE 1

A1 Session 502 14:15 - 15:30
Oral presentation: Emerging insights in prognostic aspects and positive airway pressure treatment for obstructive sleep apnoea

Disease(s): Sleep and breathing disorders
Method(s): Epidemiology, General respiratory patient care, Public health, Physiology, Cell and molecular biology
Tag(s): Clinical

Late Breaking Abstract - A randomized, double-blind, placebo controlled, dose-finding trial of sulthiame in obstructive sleep apnea
Jan A. Hedner (Göteborg, Sweden), Ludger B. Grote, Kaj Stenlof, Katrin Kuhn, Corinna Hansen, Andreas Voelp, Winfried Randerath

Nightly variation in OSA severity and next day blood pressure
Bastien Lechat (Adelaide, Australië), Duc Phuc Nguyen, Jack Manners, Barbara Toson, Pierre Escourrou, Peter Catcheside, Danny Eckert

Sleep apnea–specific pulse-rate response, cardiovascular risk and response to positive airway pressure.

The impact of obstructive sleep apnea on the circadian rest-activity rhythm: a cross-sectional analysis of the ELSA-Brasil cohort
Adriano D. S. Targa (Lleida, Spain), Iván Benitez, Barbara Parise, Soraya Giatti, Ronaldo Santos, Esther Gracia-Lavedan, Mario Henriques-Beltrán, Ferran Barbé, Luciano Drager

Differences in power consumption of continuous positive airway pressure (CPAP) devices
Clara Bianquis (Saint-Prix, France), Emeline Fresnel, Emilie Cottet, Johan Dupuis, Isabelle Arnulf, Wojciech Trzepizur, Adrien Kerlourn, Arnaud Prigent, Frederic Gagnadoux, Maxime Patout

CPAP effects on blood pressure in different OSA phenotypes – a meta-analysis
Lara Benning (Zurich, Switzerland), Joël Julien Herzig, Michelle Mollet, Matteo Bradicich, Malcolm Kohler, Silvia Ulrich, Esther Irene Schwarz

Association of positive airway pressure adherence with the burden of antihypertensive medications in hypertensive patients with sleep apnoea: data from the IRSR Pays de la Loire Sleep Cohort.

Self-efficacy is an independent predictor of one-year PAP adherence trajectories
Sébastien Bailly (Grenoble, France), Thibaut Gentina, Jean Arthur Micoulaud-Franchi, Elodie Gentina, Jean Louis Pépin
**OA5441**

**CPAP effect on energy balance, chronotype, hormone, and body composition: a randomized controlled trial**

**OA5442**

**Effect of CPAP on circulating levels of MPO and MMP-9 in adults with coronary artery disease and obstructive sleep apnoea: the RICCADSA randomized controlled trial**
Yüksel Peker (Istanbul, Turkey), Semih Arbatli, Yeliz Celik, Tulay Yucel-Lindberg

**OA5443**

**Discussion and Q&A**
All Speakers

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**A3**

**Session 503 14:15 - 15:30**

**Oral presentation: Nursing role in global respiratory health**

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

**Method(s):** General respiratory patient care, Epidemiology, Palliative care, Pulmonary rehabilitation

**Tag(s):** Clinical

**Chairs:** José Miguel dos Santos Castro Padiilha (Porto, Portugal), Rui Pedro Marques da Silva (Sobreira – Paredes, Portugal)

**OA5444**

**Late Breaking Abstract - The Effectiveness of digital interventions in promoting self-management in individuals with Chronic Obstructive Pulmonary Disease: an Umbrella Review**
Ricardo Salgado (Lausanne, Switzerland), Hugo Fernandes, Véronique De Goumoëns, Blanche Kiszio, Patricio Costa, Miguel Padiilha

**OA5445**

**Willingness to involve in self-healthcare affects the recovery of hospitalized pneumonia patients.**
Maria Granados Santiago (Alcaudete, Spain), Eva Rubio Calvo, Ana Belén Gámiz Molina, Pilar García González, Rosario Guerrero Arrabal, Marie Carmen Valenza

**OA5446**

**Results from a randomised controlled trial (RCT) of cognitive behavioural therapy (CBT) with respiratory nurses in patients with chronic obstructive pulmonary disease (COPD). Comparison of responders compared to non-responders at primary outcome.**
Karen Heslop-Marshall (Newcastle upon Tyne (Tyne and Wear), United Kingdom), Chris Stenton, Graham Burns, Carlos Echevarria, Julia Newton, Joanne Gray, Anthony De Souza

**OA5447**

**Empowering nurses in digital-age care: Enhancing self-management education and perceptions of digital tools for chronic obstructive pulmonary disease.**
Agnes Yuen Kwan Lai (Hong Kong, Hong Kong), Shu Wah Ng, Maggie Lit, Denise Yee Shan Yiu, Asa Choi, Janet Wong, Gary Tse

**OA5448**

**Uncontrolled asthma associates with hospitalization and death due to COVID-19: a nationwide longitudinal study**
Stina Selberg (Luleå, Sweden), Johanna Karlsson Sundbaum, Anne Lindberg, Jon R Konradsen, Caroline Stridsman

**OA5449**

**Optimising PR for COPD: Does Severity Matter?**
Liliana Silva (Matosinhos, Portugal), Tiago Maricoto, Ângela Mota, Lara Lemos, Mariana Santos, Hélder Cunha, Inês Azevedo, Patricio Costa, José Miguel Padilha

**OA5450**

**Providing nursing care for people with chronic respiratory disease in the context of multiple long-term conditions.**
Kate Lippiett (Winchester (Hampshire), United Kingdom), Andrew Turner, Cindy Mann, Caroline Coope, Alice Moult, Dereth Baker, Mari Carmen Portillo, Chris Salisbury, Rachel Johnson

**OA5451**

**Partnership delivery of symptom management at a UK ILD centre**
Carmine Ruggiero (Oxford, United Kingdom), Karen Parsons, Shakila Hussain, Paula Johnson, Emily Fraser, Ling-pei Ho, Peter Saunders, Rachel Hoyles

**OA5452**

**Which adult asthmatics receive patient education in Sweden?**
Malin Axelsson (Malmö, Sweden), Maria Ödling, Stina Selberg, Therese Sterner, Caroline Stridsman

**OA5453**

**Do pulmonary rehabilitation’ participants become more active? A quasi-experimental study based on an outpatient pulmonary rehabilitation program.**
Duarte Pinto (Matosinhos, Portugal), Nuno Macedo, Ana Carvalho, Raquel Marques, Marta Roxo, Fernanda Rodrigues, Maria João Cunha, Paulo Machado, Paulino Sousa, Miguel Padilha

**OA5454**

**Discussion and Q&A**
All Speakers

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**Lehar 3**

**Session 504 14:15 - 15:30**

**Oral presentation: Acute respiratory infection: research at the cutting edge**
Disease(s) : Airway diseases
Method(s) : Cell and molecular biology General respiratory patient care Epidemiology Public health
Tag(s) : Basic science Translational
Chairs : Gernot G.U. Rohde (Frankfurt am Main, Germany), Tommaso Morelli (Southampton, United Kingdom)

**OA5455**

**Healthcare worker views on antimicrobial resistance in chronic respiratory disease**
Sachin Ananth (London, United Kingdom), Adekunle Adeoti, Animesh Ray, Peter Middleton, Miquel Ekkelenkamp, Stephanie Thee, Anand Shah

**OA5456**

**Plasma and bronchoalveolar lavage qPCR for diagnosing pulmonary mucormycosis in diabetes mellitus**
Rana Sadaqat Nawaz (Chandigarh, India), Ritesh Agarwal, Shivaprakash Mandya Rudramurthy, Harsimran Kaur, Hansraj Chaudhary, Karthik K, Ritika Harchand, Inderpal Singh Sehgal, Valliappan Muthu

**OA5457**

**Determinants of respiratory tract aerosol generation in a diverse clinical population.**
George Nava (Bristol, United Kingdom), Alicja Szczepanska, Fergus Hamilton, Liji Ng, Sharzib Khan, Umair Mahmud, Rachel Scott, Dinesh Saralaya, Jonathan Reid, Nicholas Maskell, Bryan Bzdek, James Dodd

**OA5458**

**Causal affects of Nasal microbiota on COVID-19 phenotypes: A two-sample bidirectional Mendelian randomization study**
Rui Guo (Chongqing, China), Yanmei Feng, Dong Wan, Pu Wang, Jinwei Jia, Xiaomin Liu

**OA5459**

**Iron metabolism disorder irritates susceptibility to bacterial pneumonia, viral pneumonia, and sepsis**
Zhenchao Wu (Beijing, China), Taikang Yao, Zilu Wang, Zhongyu Han, Beibei Liu, Jiajia Zheng, Ning Shen

**OA5460**

**Comparison of RSV, influenza and COVID-19 clinical characteristics in hospitalized infants in Valladolid-Spain, 2010–2022**
Mariana Haeberer (ALCOBENDAS, Spain), Rong Fan, Marina Toquero Asensio, Alejandro Martín Toribio, Quin Liu, Yongzheng He, Sonal Uppal, Jessica E. Atwell, Jose M. Eiros, Javier Castroneda Sanz, Ivan Sanz-Muñoz

**OA5461**

**Pre-clinical development of a novel cross-protective rhinovirus vaccine.**
Chloe Julia Pyle (London, United Kingdom), Neeta D. Patel, Michael R. Edwards, Stephen Shaw, Sebastian L. Johnston

**OA5462**

**Effects of an anti-viral interferon booster, RIG-I agonist (RIG-101), on influenza infection in vitro and in vivo**
Hugo Ombredane (London, United Kingdom), Leah Daly, Aggie Moen, Ian Knowles, Jag Shur, Garth Rapeport, Susan Sobolov, Kazuhiro Ito

**OA5463**

**Efficacy and safety of SR1375 in hospitalized patients with pneumonia combined with underlying disease: a randomized, double-blind, placebo-parallel controlled trial**
Rui Xu (Chengdu, China), Jun Yang, Linhui Yang, Jiurui Zhang, Huohuo Zhang, Dan Liu

**OA5464**

Discussion and Q&A
All Speakers

**Register to ERS 2024**
To attend the virtual congress, please register at [ers24virtual.org](http://ers24virtual.org).
The alterations of pulmonary morphological parameters with aging: an observational study with quantitative computed tomography

Anqi Liu (Beijing, China), Hongyi Wang, Linfeng Xi, Yifei Ni, Jianping Wang, Haoyu Yang, Hanying Song, Jinzhu Dai, Gang Chen, Xiao Ma, Min Liu

Quantitative CT measures are sensitive to clinical bronchiectasis severity: preliminary data from the BRILLIANT study

François-Xavier Blé (Cambridge, United Kingdom), Adnan Azim, Adam Platt, Maria G Belvisi, James D Chalmers, Kristoffer Ostridge

Automated computed tomography measures predict functional decline in cystic fibrosis

Gabrielle Baxter (London, United Kingdom), Ashkan Pakzad, Bojidar Rangelov, Shayan Shaikh, Ying Xin Tan, Robert Chapman, Daniel Peckham, Joseph Jacob

Endobronchial polarization sensitive optical coherence tomography for airway smooth muscle detection in pulmonary disease

Tatiana Soldati (Amsterdam, Netherlands), Sofi Vassileva, Margherita Vaselli, Kirsten Kalverda, Jouke Annema, Peter Bonta, Johannes De Boer

Association between physical activity and imaging biomarker in asthma: An analysis of distributional differences.

Ayumi Fukatsu-Chikumoto (Ube-city, Japan), Tsunahiko Hirano, Hiroshi IWamoto, Keiko Doi, Keita Murakawa, Yoriyuki Murata, Yoshikazu Yamaji, Toshihito Otani, Kazuma Kawamoto, Naoko Higaki, Yoshiiho Amano, Mayuka Yamane, Naoya Tanabe, Akihito Yokoyama, Takeshi Isobe, Noboru Hattori, Kazuto Matsunaga

Importance of subpleural fibrosis measured by a computer-aided system in patients with interstitial pneumonias, the prospective multicenter study.

Tae Iwasawa (Yokohama, Japan), Ryo Okuda, Takeshi Johkoh, Fumikazu Sakai, Kiminori Fujimoto, Hiromitsu Sumikawa, Ryoko Egashira, Toru Arai, Yasuhiro Kondoh, Yutaro Nakamura, Atsushi Myamamoto, Keisuke Tomii, Takafumi Suda, Akira Hebisawa, Tomohiro Honda, Satoshi Wamamoto, Hiroshina Inoue, Osamu Narumoto, Masato Morita, Yasuhiro Gon, Masaki Fujita, Sadanotono Tasaka, Kazufumi Takamatsu, Hiroyuki Ito, Toshihito Nukiwa, Kunihiro Kobayashi, Takeshi Ogura

Late Breaking Abstract - Epigenetic reprogramming via HDAC9 in premature aging-associated inflammation

Edibe AVCI (Bad Nauheim, Germany), Rene Wiegandt, Andreas Wiegert, Solmaz Khaghani, Sven Zukunft, Stephan Klatt, Mario Looso, Stefan Günther, Elisabetta Gamen, Anoop Ambikan, Ujjwal Neogi, Werner Seeger, Rajkumar Savai, Soni Pulammsetti

IL6 - ET1 signaling inhibits alveolar growth through FoxO1-dependent A2 survival in mechanically ventilated newborn mice

Centina Kuiper-Makris (Cologne, Germany), Dharmesh Hirani, Virta Wagde, Jaco Selle, Oleksiy Klymenko, Michele Donato, Stefanie Preuss, Mark Kaschwisch, Sana Mujahid, Christna Vohlen, Rebecca Wilke, Kerstin Wulf, Silke Van-Koningsbruggen-Rietschel, Parvesh Khatri, Manuel Koch, Stefan Rose-John, Werner Seeger, Jörg Dötsch, Richard D. Bland, Marlene Rabinovitch, Miguel Angel Alejandre Alcázar

Pharmacological inhibition of IL-6-trans-signaling protects from vascular remodeling and pulmonary hypertension in two independent models of perinatal inflammation

Tobias Trojan (Köln, Germany), Christoph M. Bartz, Jaco Selle, Dharmesh Hirani, Baktybek Kojonazarov, Stefan Hadzic, Christina Vohlen, Centina Kuiper-Makris, Clemens Nies, Virta Wagde, Samantha Krug, Silke Van-Koningsbruggen-Rietschel, Werner Seeger, Jörg Dötsch, Soni Pulammsetti, Miguel Alejandre Alcázar

Perinatal obesity interferes with sphingolipid pathway signaling leading to premature cardiopulmonary aging

Jaco Selle (Köln, Germany), Dennis Mehrkens, Christina Vohlen, Rebecca Wilke, Simon Geißen, Leo Kurian, Martin Mollenhauer, Stephan Baldus, Tilla S. Worgall, Jörg Dötsch, Stefan Worgall, Werner Seeger, Soni Pulammsetti, Miguel A. Alejandre Alcázar
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<tr>
<td>Session 508</td>
<td>Experts interview: Microplastics: a ubiquitous and increasing threat to lung health</td>
<td>14:25 - 14:50</td>
<td>Studio</td>
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<td>Method(s): Epidemiology</td>
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<td>Chairs: Sara De Matteis (Milan, Italy), Isabella Annesi Maesano (Montpellier, France)</td>
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<tr>
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<td>Microplastics: ubiquitous and increasing threat to lung health</td>
<td>14:25</td>
<td>Christopher Carlsten (Vancouver (BC), Canada)</td>
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<td>Discussion and Q&amp;A</td>
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<td>All Speakers</td>
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| Session 509 | Skills workshop: SW15 Practical Pulmonary Hypertension - € | 14:30 - 16:50 | Stolz 1 |
| | Additional registration is required for this session. | | |
| | Aims: Develop a systematic approach to interpretation of radiological investigations (with a focus on CT) in patients with suspected PH. Gain practical experience in performing and interpreting echocardiography in patients with PH. Develop knowledge and understanding of pathological changes associated with PH. Develop skills in integrating clinical, radiological and right heart catheter data to enable the correct diagnosis in patients with suspected PH to be made. | | |
| | Disease(s): Pulmonary vascular diseases | | |
| | Chairs: Robin Condliffe (Sheffield (South Yorkshire), United Kingdom) | | |
| | Radiological assessment of pulmonary hypertension | 14:30 | Andy Swift (Sheffield (South Yorkshire), United Kingdom) |
| | Pathological assessment of pulmonary hypertension | 14:30 | Peter Dorfmüller (Giessen, Germany) |
| | Echocardiography in pulmonary hypertension | 14:30 | Marielle van de Veerendonk (Amsterdam, Netherlands), Abdul Hameed (Sheffield (South Yorkshire), United Kingdom) |
| | Clinical assessment of pulmonary hypertension | 14:30 | Robin Condliffe (Sheffield (South Yorkshire), United Kingdom), Anton Vonk Noordegraaf (Amsterdam, Netherlands) |
### Skills workshop: SW18 Thoracic ultrasound basic principles

**Aims:** To describe the current use of thoracic ultrasound and to provide participants with the opportunity to perform this technique using training models, simulators, volunteers and patients.

**Disease(s):** Thoracic oncology, Interstitial lung diseases

**Chairs:** Rahul Bhatnagar (Bristol, United Kingdom)

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<tr>
<td>14:30</td>
<td>Introduction</td>
<td>Rahul Bhatnagar (Bristol, United Kingdom)</td>
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<tr>
<td>14:50</td>
<td>Normal Thoracic Cavity</td>
<td>Giovanni Volpicelli (Torino (TO), Italy), Morten Bendixen (Skejby, Denmark)</td>
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<td>14:50</td>
<td>Pleural effusion and/or pleural thickening</td>
<td>Konstantina Kontogianni (Heidelberg, Germany), Valentina Pinelli (MASSA-CARRARA, Italy)</td>
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<td>14:50</td>
<td>Case studies</td>
<td>Poppy Denniston (London, United Kingdom)</td>
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<td>14:50</td>
<td>Guided interventions</td>
<td>Søren Helbo Skaarup (Aarhus C, Denmark), Beenish Iqbal (Oxford, United Kingdom)</td>
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### Skills lab: Woman-focused smoking cessation programming

**Aims:** To learn how to create a smoking cessation programmes specifically for women that can be highly effective because they address the unique challenges and motivations that women may have when quitting smoking. By incorporating specific educational elements into smoking cessation programming, tailored specifically to women's needs and preferences, the respiratory community may increase the likelihood of success in helping women quit smoking and improve their overall health and wellbeing.

**Disease(s):** Airway diseases, Respiratory infections, Thoracic oncology

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

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Paediatrician, Patient, Thoracic oncologist, Journalist

**Chairs:** Stamatoula Tsikrika (Athens, Greece)

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<tr>
<td>15:20</td>
<td>Introduction</td>
<td>All Speakers</td>
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<tr>
<td>15:25</td>
<td>Clinical scenario: woman of reproductive age who wishes to quit tobacco smoking before conceiving</td>
<td>Linnea Hedman (Luleå, Sweden), Sofia Belo Ravara (Covilhã, Portugal)</td>
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<td>15:40</td>
<td>Patients’ experiences of tobacco smoking cessation programs: women who made it.</td>
<td>Siyu Dai (Hangzhou, China)</td>
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<td>15:55</td>
<td>Conclusions, discussion and Q&amp;A</td>
<td>All Speakers</td>
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### Clinical cases: Lungs on fire: airway diseases?

**Aims:** to present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

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

**Tag(s):** Clinical

**Chairs:** Celeste Michala Porsbjerg (Copenhagen, Denmark), Florence Schleich (Liège, Belgium), Nicolas Roche (Paris, France)

**Discussants:** Emer Kelly (Dublin 4, Ireland), Omar S. Usmani (London, United Kingdom)

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<tr>
<td>15:30</td>
<td>Case 1 incl. panel discussion and Q&amp;A - Submitter: L. Massari (Italy)</td>
<td>Emer Kelly (Dublin 4, Ireland)</td>
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C2  
Session 514  15:30 - 17:00

Journal session: ERJ/NEJM joint session

Chairs: James D. Chalmers (Dundee (Angus), United Kingdom), Darren Taichman (Boston, United States), Chair to be confirmed

15:30

15:45

16:00

16:15

16:30  Discussion and Q&A  All Speakers

C5  
Session 515  15:30 - 17:00

Year in review: Paediatric year in review

Aims: To provide an update on four topics in paediatric respiratory medicine, namely, paediatric asthma in low-income settings, imaging in paediatric respiratory diseases, primary ciliary dyskinesia and long-term consequences of preterm birth; to highlight the most recent and significant literature and developments relating to these topics.

Disease(s): Airway diseases, Interstitial lung diseases, Paediatric respiratory diseases

Method(s): Epidemiology, Public health, Pulmonary function testing

Tag(s): Clinical

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

Chairs: Angela Zacharasiewicz (Wien, Austria), Andrew Bush (London, United Kingdom)

15:30  Omics in paediatric asthma  Susanne Vijverberg (Amsterdam, Netherlands)

15:45  Diagnostic approach and treatment options for sleep-disordered breathing in children with complex disorders  Stijn Verhulst (Antwerpen, Belgium)

16:00  Childhood interstitial lung disease (ChILD): what's new around the corner?  Matthias Griese (München, Germany)

16:15  Latest news in childhood tuberculosis  Marc Tebruegge (Wien, Austria)

16:30  Discussion and Q&A  All Speakers

C1  
Session 516  15:30 - 17:00

Symposium: Evolution in pulmonary function testing: from telemonitoring to artificial intelligence

Aims: To demonstrate how novel techniques, such as artificial intelligence and telemonitoring, could help improve patient diagnostics and treatment; to highlight the advantages and disadvantages of using telemonitoring in the clinic; to demonstrate how artificial intelligence could provide better quality control in assessing pulmonary function testing in the clinic and research.
### Session 517 15:30 - 17:00

**Hot topics: Integrated care and novel technologies for interstitial lung diseases**

**How can service integration and interoperability optimise the interstitial lung disease patient’s journey from diagnosis to end-of-life care?**

**Aims:** To present an overview of multidisciplinary management in interstitial lung diseases and explain how technology can improve communication and treatment delivery optimisation; to demonstrate the impact of an integrated clinical model for interstitial lung diseases and how this can result in favourable outcomes in terms of disease management and diagnostic pathways; to provide insight into the latest technological advances in the field of artificial intelligence and interstitial lung disease; to demonstrate how technology can improve diagnosis, disease progression and the team decision-making approach for patient management and continuity of care.

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

**Method(s):** Palliative care, Pulmonary rehabilitation, Respiratory intensive care

**Tag(s):** Congress theme: Humans and Machines: getting the balance right

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

**Chairs:** Carlos Robalo Cordeiro (Coimbra, Portugal), Catharina C. Moor (Rotterdam, Netherlands), Maria Koulopoulou (London, United Kingdom)

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<tr>
<td>15:30</td>
<td>Patient's perspective</td>
<td>Speaker to be confirmed</td>
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<tr>
<td>15:35</td>
<td>Multidisciplinary integrated care for ILD</td>
<td>Francesco Bonella (Essen, Germany)</td>
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<td>15:50</td>
<td>Home monitoring for ILD, ready for daily care?</td>
<td>Marium Naqvi (London, United Kingdom)</td>
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<tr>
<td>16:05</td>
<td>The value of pulmonary rehabilitation in ILD</td>
<td>Heleen Demeyer (Leuven, Belgium)</td>
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<tr>
<td>16:20</td>
<td>The role of artificial intelligence in the ILD-MDT</td>
<td>Helmut Prosch (Wien, Austria)</td>
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<tr>
<td>16:35</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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</table>
Aims: To present the progression of the Horizon 2020 European Union project FAIR, tracing its trajectory from preclinical investigations to translational development.

Disease(s): Respiratory critical care, Respiratory infections

Method(s): Cell and molecular biology

Tag(s): Translational

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

Chairs: Andrea Gramigna (Milano (MI), Italy), Eva Polverino (Barcelona, Spain), Bülent Taner Karadag (Istanbul, Turkey)

15:30 Exploring the immunostimulatory potential of FLAMOD as an adjunct of antibiotics in bacterial pneumonia
Jean-Claude Sirard (LILLE, France)

15:45 Inhalation of FLAMOD: formulation for nebulisation and preclinical evaluation
Nathalie Heuzé-Vourc'h (Tours, France)

16:00 Development of the first-in-human trial for nebulisation of FLAMOD
Antoine GUILLON (TOURS CEDEX, France)

16:15 Prognostic and predictive enrichment strategies for immunomodulatory therapies like FLAMOD
Erik Michels (Amsterdam, Netherlands)

16:30 Discussion and Q&A
All Speakers

C3 Session 519 15:30 - 17:00
Symposium: Gender discrepancies in non-small cell lung cancer: the challenging landscape of lung cancer in women

Lung cancer in women

Aims: To discuss recent studies of lung cancer in women that indicate differences in risk factors, histology, pathophysiology, treatment outcomes and prognosis compared with men; to review lung cancer in women and to discuss what research has achieved and future objectives.

Disease(s): Thoracic oncology

Method(s): Endoscopy and interventional pulmonology, Palliative care, Surgery

Tag(s): Clinical, Translational

Target audience: Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Pathologist, Thoracic oncologist, Thoracic surgeon, Journalist

Chairs: Marcello Migliore (Riyadh, Saudi Arabia), Marjolein A. Heuvelmans (Amsterdam, Netherlands)

15:30 The importance of a dedicated screening in women
Giuseppe Cardillo (Roma (RM), Italy)

15:45 Differences in the pathology of the lung in men and women with non-small cell lung cancer: do they exist?
Semih Halazeroglu (Sariyer, Turkey)

16:00 The role of precision medicine and surgery in non-small lung cancer in women
Kalliopi Athanassiadi (Athens, Greece)

16:15 Gender differences in surgical outcomes
Maria Joana Pereira Catarata (Porto, Portugal)

16:30 Discussion and Q&A
All Speakers

A1 Session 520 15:45 - 17:00
Science slam: Science slam

Tag(s): Translational

Chairs: Sara Cuevas Ocaña (Nottingham, United Kingdom), Lucia Pinilla (Adelaide, Australia)
### Session 521
**A3**
**Oral presentation: Novel investigation in pulmonary rehabilitation and/or exercise**

**Disease(s):** Airway diseases

**Method(s):** Pulmonary rehabilitation  General respiratory patient care  Palliative care

**Chairs:** Anouk W. Vaes (Horn, Netherlands), Lorna Latimer (Leicester, United Kingdom)

#### Late Breaking Abstract - Effect of dyspnea-oriented hypnosis as an adjunct to pulmonary rehabilitation on the affective dimension of dyspnea: a randomized controlled trial.
**Virginie Molinier** (Lodève, France), **Nathalie Fernandes**, **Espérance Moine**, **Francois Alexandre**, **Nelly Héraud**

#### Effect of exercise training on functional ability, body composition, and physical activity in community-acquired pneumonia: secondary analysis of a randomized controlled trial
**Camilla Koch Ryrso** (Frederiksberg, Denmark), **Daniel Faureholt-Jepsen**, **Christian Ritz**, **Maria Hein Hegelund**, **Arnold Matovu Dungu**, **Bente Klarlund Pedersen**, **Rikke Krogh-Madsen**, **Birgitte Lindegaard**

#### Severe fatigue in uncontrolled asthma: impact of alpine altitude climate rehabilitation and predictive factors for persistent severe fatigue
**Karim Fieten** (Davos, Switzerland), **Linde Ten Have**, **Linde Nijhof**, **Lucia Rijsenbeek-Nouwens**, **Anneke Ten Brinke**

#### Social isolation and loneliness and their associations with physical activity in COPD

#### A multidisciplinary, non-pharmacologic intervention improves breathlessness in COPD: An RCT.
**Tracy Smith** (Sydney (NSW), Australia), **Mary Roberts**, **Tim Luckett**, **Jin-Gun Cho**, **Adrienne Kirby**, **John Wheatley**

#### Precision communication to optimise uptake of pulmonary rehabilitation in people with COPD
**Sarah Hug** (Perth (WA), Australia), **Vinicius Cavalheri**, **Kylie Hill**, **Daniel Gucciardi**

#### Swiss people with COPD “love” Communication about Sexuality: the COSY randomised controlled trial
**Kaba Dalla Lana** (Wetzikon, Switzerland), **Anja Frei**, **Julia Braun**, **Thomas Radtke**, **Milo Puhlan**, **Claudia Steurer-Stey**

#### Regulating the larynx by expiratory pressure load training to improve aerobic capacity in advanced COPD: a substudy of the randomised, controlled EPT trial

#### Development of a new ambulatory oxygen delivery method combining continuous oxygen flow and demand oxygen delivery systems: A prospective, single-blind, randomized crossover pilot trial
**Kazuya Shingai** (Kitakyushu, Japan), **Tomoyuki Kato**, **Tetsuya Kawano**, **Kaori Kato**, **Toru Tsuda**

### Session 522
**Lehar 3**
**Oral presentation: Pulmonary embolism: current management and future challenge**

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

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

**Tag(s):** Clinical

**Chairs:** Casper Falster (Odense, Denmark), Francis Couturaud (Brest, France)

#### Nanomedicine for the targeted treatment of venous thromboembolism

#### Discussion and Q&A
All Speakers
OA5550 Catheter-directed therapies in patients with high-risk or intermediate-high-risk acute symptomatic pulmonary embolism with recent bleeding or high risk of bleeding. Analysis of implementing pulmonary embolism response team (PERT). Sergio Lopez Ruz (Sevilla, Spain), Maria Barca Hernando, Victor Garcia Garcia, Carmen Rosa Linares, Luis Jara Palomares

OA5551 Effect of genetic variants on bleeding with rivaroxaban in pulmonary embolism patients: A multicenter prospective cohort study. Zhu Zhang (Beijing, China), Haobo Li, Linfeng Xi, Yu Zhang, Xianbo Zuo, Peiran Yang, Zhenguo Zhai, Chen Wang

OA5552 Haemoptysis risk in lung cancer associated thrombosis (L-CAT) patients who initiated anticoagulant therapy. Christophe Marie-Sainte (Saint-Étienne, France), Anne-Laure Desage, Valentine Mismetti, Lutfi Ozturk, Sandrine Accassat, Rémi Grange, Elie Ayoub, Sophie Bayle-Bleuez, Géraldine Poenou, Laurent Bertoletti

OA5553 Effects of tinzaparin on the presence of residual thrombosis in patients with cancer-associated thrombosis. Luis Jara-Palomares (Sevilla, Spain), Carmen Rosa-Linares, Maria Barca-Hernando, Sergio Lopez-Ruz, Victor Garcia-Garcia

OA5554 Phase-Resolved Functional Lung (PREFUL)-MRI-derived parameters in evaluating chronic thromboembolic pulmonary disease: a prospective study. Linfeng Xi (Beijing, China), Yifei Ni, Jianping Wang, Anqi Liu, Haoyu Yang, Hongyi Wang, Shuai Zhang, Zhu Zhang, Qiang Huang, Wannu Xie, Shiyou Wang, Qian Gao, Robert Grimm, Jing An, Andreas Voskoboenzy, Jens Vogel-Claussen, Min Liu, Zhenguo Zhai, Chen Wang

OA5555 Use of inhaled nitric oxide in submassive intermediate-risk pulmonary embolism: a single-centre experience. Durre Shahwar (Brisbane, Australia), Kiran Shekar

OA5556 Add-on GLP-1 agonists in the treatment of intermediate risk acute pulmonary embolism: a biomarker-driven proof-of-concept study. Chinthaka Samaranayake (London, United Kingdom), Lan Zhao, Min Fang, Christopher Rhodes, Timothy Rudd, Kathleen Bonnici, Bhaskar Mukherjee, Luke Howard, Laura Price, Tom Semple, Bhavin Rawal, Stephen J Wort, Colm McCabe

OA5557 Genetic Insights through Chinese VTE Pedigree Interpretation Using the ACMG Method: Unraveling Potential Genetic Risk Factors. Zhu Zhang (Beijing, China), Zhaoman Wan, Mingming Su, Haobo Li, Zhenguo Zhai

OA5558 Discussion and Q&A All Speakers
Hospital prognosis of invasive pulmonary aspergillosis patients admitted to intensive care unit and one-year outcomes in hospital survivors: A retrospective longitudinal study

Impact of mechanical insufflation-exsufflation on success rate of weaning of tracheostomized patients on prolonged mechanical ventilation

Impact of ventilatory support modalities and timing of intubation on longitudinal recovery of pulmonary sequelae in critically ill Covid-19 patients

Automatic classification of patient-ventilator asynchronies with a 1D convolutional neural network: a pilot study

Late Breaking Abstract - Abnormal breathing patterns limit exercise in mechanically ventilated patients: an observational study

Late Breaking Abstract - Early-life antibiotic exposure and development of diseases in childhood - a nationwide registry study

Recurrent respiratory infections and allergy hallmarks at-risk progression to severe asthma

The effect of health disparities on racial gaps in lung function

Small airways obstruction and mortality in the UK Biobank

COVID-19 risk and effect modification by vaccination in asthma

Low smoking exposure and development and prognosis of COPD over four decades: A population-based cohort study
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<tr>
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<th>Chairs</th>
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<tbody>
<tr>
<td>536</td>
<td>Assembly members' meeting: Assembly 13: Pulmonary vascular diseases</td>
<td>Anton Vonk Noordegraaf (Amsterdam, Netherlands), Olivier Sitbon (Le Kremlin-Bicêtre, France), Harm Jan Bogaard (Amsterdam, Netherlands)</td>
</tr>
<tr>
<td>537</td>
<td>Assembly members' meeting: Assembly 2: Respiratory intensive care</td>
<td>Christian Karagiannidis (Cologne, Germany)</td>
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<td>538</td>
<td>Assembly members' meeting: Assembly 6: Epidemiology and environment</td>
<td>Ane Johannessen (Bergen, Norway), Rafael E. de la Hoz (New York, United States)</td>
</tr>
<tr>
<td>539</td>
<td>Assembly members' meeting: Assembly 14: Clinical techniques, imaging and endoscopy</td>
<td>Walter De Wever (Leuven, Belgium), Elżbieta Magdalena Grabczak (Warszawa, Poland)</td>
</tr>
<tr>
<td>540</td>
<td>Assembly members' meeting: Assembly 8: Thoracic surgery and transplantation</td>
<td>Federica Meloni (Pavia (PV), Italy), Marcello Migliore (Riyadh, Saudi Arabia)</td>
</tr>
</tbody>
</table>
Wednesday special session: Women’s networking session
Empowering women in respiratory medicine and research

Aims: This session creates a platform for respiratory professionals to connect, build relationships, and exchange knowledge and experiences. To encourage collaboration among women in the respiratory profession, fostering partnerships, teamwork, and the sharing of ideas and best practices. To empower women in the respiratory profession by offering career development resources, mentorship programs, and discussions on leadership and advancement opportunities. To highlight the importance of diversity and inclusion in the field of respiratory care, and encourage women from diverse backgrounds to participate and contribute to the event. To collaborate with relevant organisations, national societies, and industry partners.

Chairs: Dorina Rama Esendagli (Ankara, Turkey), Chiara Premuda (Milano, Italy)

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<th>Time</th>
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<th>Speakers</th>
<th>Reference</th>
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<tbody>
<tr>
<td>09:00</td>
<td>Introduction by ERS leaders</td>
<td>Monika Gappa (Düsseldorf, Germany), Silke Ryan (Dublin, Ireland), Hilary Pinnock (Edinburgh, United Kingdom)</td>
<td>5583</td>
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<tr>
<td>09:15</td>
<td>Ice-breaker</td>
<td>All Speakers</td>
<td>5584</td>
</tr>
<tr>
<td>09:45</td>
<td>Influence of professionals gender on patient outcomes</td>
<td>Franziska Trudzinski (Heidelberg, Germany)</td>
<td>5585</td>
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<tr>
<td>10:00</td>
<td>Discussion</td>
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<td>5623</td>
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<tr>
<td>10:05</td>
<td>Achieving success in Respiratory Medicine</td>
<td>Speaker to be confirmed</td>
<td>5586</td>
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<tr>
<td>10:20</td>
<td>Discussion</td>
<td></td>
<td>5624</td>
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<tr>
<td>10:25</td>
<td>Panel discussion</td>
<td>Judith García-Aymerich (Barcelona, Spain), Sara Bonvini (London, United Kingdom), Silke Ryan (Dublin, Ireland), Sara Cuevas Ocaña (Nottingham, United Kingdom), Joanna Chorostowska-Wynimko (Warsaw, Poland)</td>
<td>5587</td>
</tr>
<tr>
<td>11:15</td>
<td>Brunch and networking</td>
<td>All Speakers</td>
<td>5588</td>
</tr>
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Wednesday special session: Breathing through the Blaze: evidence update and strategies for respiratory physicians and patients facing climate induced wildfire air pollution

Aims: To provide an evidence update and discuss strategies for respiratory physicians and patients facing climate induced wildfire air pollution

Tag(s): Basic science, Clinical

Chairs: Zorana Andersen (Frederiksborg, Denmark), Kevin R. Cromar (New York, United States)

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<th>Time</th>
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<th>Reference</th>
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<tbody>
<tr>
<td>09:00</td>
<td>Current and future air pollution impacts from wildland fires in Europe</td>
<td>Mikhail Sofiev (Helsinki, Finland)</td>
<td>5589</td>
</tr>
<tr>
<td>09:15</td>
<td>Health impacts from wildland fires: is it the same as air pollution from other sources?</td>
<td>Cathryn Tonne (Barcelona, Spain)</td>
<td>5590</td>
</tr>
<tr>
<td>09:30</td>
<td>Brainstorming session: What are the immediate research opportunities available to better assess health impacts from wildland fire pollution?</td>
<td>Sourangsou Chowdhury (Oslo, Norway), Yuming Guo (Clayton, Australia)</td>
<td>5591</td>
</tr>
<tr>
<td>10:00</td>
<td>Policy Discussion: Should ERS have a position on prescribed burning and its potential impacts on health?</td>
<td>Barbara Hoffmann (Düsseldorf, Germany)</td>
<td>5592</td>
</tr>
<tr>
<td>10:20</td>
<td>International perspective on how to incorporate health impacts from wildland fires into climate policy and health systems decision-making</td>
<td>Speaker to be confirmed</td>
<td>5593</td>
</tr>
<tr>
<td>10:35</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
<td>5594</td>
</tr>
</tbody>
</table>
**Deep Dive: Multimorbidity**

**Aims:** To explore how healthcare systems can meet the challenge of multimorbidity.

**Tag(s):** Clinical

**Chairs:** Katerina Antoniou (Heraklion, Greece), Ioannis Vogiatzis (Blyth, United Kingdom)

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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>09:00</td>
<td>The challenge of multimorbidity: a clinical perspective</td>
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<tr>
<td>09:10</td>
<td>The challenge of multimorbidity: a digital health perspective</td>
<td>Isaac Cano (Vilanova del Cami, Spain)</td>
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<tr>
<td>09:20</td>
<td>Panel discussion and Q&amp;A</td>
<td>Speaker to be confirmed</td>
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**Lehar 2**

**Session 544**

**Wednesday special session: ERN-LUNG: Initiatives of the rare diseases network**

**Aims:** To present the ERN-LUNG Network and highlight some of its achievement over the past years through funding by the European Commission and support from ERS; to engage with participants on building the future of the network and the engagement to extend connection with Eastern European Countries; to present ERN-Lung strategies for the management of undiagnosed patients and for the development of Clinical Trial Networks;

**Tag(s):** Clinical

**Chairs:** Marc Humbert (Le Kremlin-Bicêtre, France)

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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
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<tr>
<td>09:30</td>
<td>Introduction</td>
<td>Marc Humbert (Le Kremlin-Bicêtre, France)</td>
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<tr>
<td>09:45</td>
<td>Undiagnosed Patients: what can ERN-LUNG do about it</td>
<td>Lisa Gietz (Köln, Germany)</td>
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<tr>
<td>10:00</td>
<td>Undiagnosed Patients: what can ERN-LUNG do about it</td>
<td>Matt Bolz-Johnson (Cologne, Germany), Andrea Cembrero Bonet (, Spain), Frank Willersinn (Bruxelles, Belgium)</td>
</tr>
<tr>
<td>10:15</td>
<td>Undiagnosed Patients: what can ERN-LUNG do about it</td>
<td>Ursula Unterberger (, Austria)</td>
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<td>10:30</td>
<td>TBC</td>
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<tr>
<td>10:45</td>
<td>How to set up a Clinical Trial Network</td>
<td>Isabelle Fajac (Paris, France), Marion Delcroix (Leuven, Belgium)</td>
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<tr>
<td>11:00</td>
<td>ERN-LUNG goes East : How to expand to new territories</td>
<td>Gergely Meszaros (Vac, Hungary)</td>
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<tr>
<td>11:15</td>
<td>Discussion and Q&amp;A</td>
<td>All Speakers</td>
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**Studio**

**Session 545**

**Pro-Con debate: Should advancing age and comorbidities prevent you from initiating antifibrotic therapy?**

**Aims:** To highlight some of the emerging themes and controversies regarding the early treatment of interstitial lung diseases; to discuss the common clinical dilemmas and misconceptions that occur in clinical practise regarding the influence of age and comorbidities on the decision to start anti-inflammatory or antifibrotic treatment; to explore the role of risk stratification and early treatment in connective tissue diseases.

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

**Method(s):** General respiratory patient care  Imaging

**Tag(s):** Clinical

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

**Chairs:** Katerina Antoniou (Heraklion, Greece), Ioannis Vogiatzis (Blyth, United Kingdom)
Wednesday special session: How Teams Advance Respiratory Healthcare Delivery
International Respiratory Coalition Session

**Aims:** This session looks at how the role of teams contribute to the advancement of respiratory healthcare delivery. It will consider the team within multiple contexts as it relates to burnout, providing multimorbidity care to pulmonary patients, as well as delivering sustainable care, and enacting successful policy change. The talks will be followed by a group discussion exploring the themes and International Respiratory Coalition (IRC) topics. The IRC founded on the idea of multistakeholder collaboration and working in teams is at the heart of the coalition.

The IRC is a movement to transform respiratory outcomes in a post pandemic world. Led by the European Respiratory Society, the IRC is a multisectoral partnership bringing together the professional respiratory community, patients, and industry. The IRC is currently supporting national-level coalitions, who have joined the movement, as they work towards developing/improving/implementing respiratory strategies based on best practice in their own countries.

**Chairs:** Anita Simonds (London, United Kingdom), Guy F. Joos (Ghent, Belgium)

**10:30 Building Resilience in Respiratory care to improve the lives of healthcare professionals and patients**

**10:45 Green Team: Decarbonising Healthcare Pathways and Innovation in Carbon Minimal Propellants**

**11:00 Navigating Complexity: Progress in Multi-Morbidity Care for Cardiopulmonary Wellness**

**11:15 Respiratory Policy in Practice: Case Studies of Reforms Enhancing Respiratory Health**

**11:30 Team time discussion**

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**Wednesday special session: Lung health in childhood – a public health approach to preventing lung disease before it starts**

**Aims:** The aim of the session is to discuss how we can bring lung health in children higher up the political and public health agenda. We aim to make the session interesting for congress delegates and local organisations. The session with present the evidence base, current actions and an open floor debate of what more we can do.

**Chairs:** Monika Gappa (Düsseldorf, Germany), Ed Powell (Aylesbury, United Kingdom)

**11:00 Why is childhood so important for lung health**

Erik Melén (Stockholm, Sweden)

**11:15 How can we protect the lungs of young people**

Marielle W.H. Pijnenburg (Rotterdam, Netherlands)

**11:30 What is being done in Vienna/Austria**

**11:45 How can we make change and engage with youth – examples from ongoing projects (FRESHAIR4LIFE; HLFI4schools; ACACIA; Freedom to Breathe campaign)**

Paola Pierucci (Bari, Italy), Jonathan Grigg (London, United Kingdom), Achiri Elvis Ndikum (Yaounde, Cameroon), Rianne van der Kleij (Leiden, Netherlands)

**12:15 Discussion and Q&A**

All Speakers
Digital Innovations in Tuberculosis Control: Transforming Healthcare with Technology

11:15

Discussion and Q&A
All Speakers

11:30

Discussion and Q&A
All Speakers

11:40 - 12:05

Experts interview: Global Lung Function Initiative reference values for exhaled nitric oxide fraction (FENO₅)

Method(s) : Pulmonary function testing

Tag(s) : Clinical

Global Lung Function Initiative reference values for exhaled nitric oxide fraction (FENO₅)

Marieann Högman (Uppsala, Sweden)

11:40

Discussion and Q&A
All Speakers

11:55

Aims : To summarize the congress programme.

Chairs : Hilary Pinnock (Edinburgh, United Kingdom), Nicolas Roche (Paris, France)
Session world village: Meet your early career representative from Assemblies 2 3 4 6 14

**Aims**: To learn how to get involved in ERS and how many ways there are to enhance your career development

**Chairs**: Sara Cuevas Ocaña (Nottingham, United Kingdom), Christoph Fisser (Regensburg, Germany), Matteo SICILIANO (ROMA, Italy)

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<thead>
<tr>
<th>12:30</th>
<th>All Speakers</th>
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</table>
Session world village: Meet your early career representative from Assemblies 1 5 7 8 9 10 11 12 13

**Aims**: To learn how to get involved in ERS and how many ways there are to enhance your career development

**Chairs**: Thomas Gille (Bobigny, France), Augusta Beech (Manchester, United Kingdom), Chiara Premuda (Milano, Italy), Catharina C. Moor (Rotterdam, Netherlands)

| 12:30 | All Speakers | 2950 |
Session world village: Meet up for ERS early career representative and national societies

Aims: To discuss how to strengthen the bonds of ECMs from different international societies, discuss ways of collaboration and share the experience of ECMs participating in the other societies congresses.

Chairs: Sara Cuevas Ocaña (Nottingham, United Kingdom), Thomas Gille (Bobigny, France), Matteo SICILIANO (ROMA, Italy), Dorina Rama Esendagli (Ankara, Turkey)

12:30 Presentation
All Speakers
INDUSTRY SESSIONS
### Industry Skills Lab Workshop: Improving Bronchoscopy and Thoracic Surgery: Planning software analysis to aide Bronchoscopic Diagnosis and Surgical Resection

*Organised by FUJIFILM Healthcare Europe GmbH*

**Chairs:** Javier Flandes Aldeyturriaga (Madrid, Spain)

### Industry Skills Lab Workshop: Aerosol Drug Delivery – How to Support the Respiratory Patient Journey

*Organised by Aerogen*

**Chairs:** Claus Vogelmeier (Marburg, Germany)

#### Session 108

**10:30 - 11:15**

**Industry Skills Lab Workshop: Personalising therapies for sleep-disordered breathing patients with complex needs**

*Organised by Resmed*

**Chairs:** Sophia E. Schiza (Heraklion, Greece), Stefania Redolfi (Cagliari, Italy)

1. **10:30**
   - When patients have low adherence to therapy
     - Holger Woehrle (Ulm, Germany)

2. **10:50**
   - When patients have comorbid insomnia
     - Christoph Schöbel (Essen, Germany)

### Industry Skills Lab Workshop: Importance of connectivity in managing home sleep and ventilation patients – adults and pediatrics

*Organised by Philips*

**Chairs:** Jennifer Mattingley (LaCrosse, United States)

1. **10:30**
   - Alessandro Amaddeo (Trieste, Italy)

2. **10:48**
   - Maxime Patout (Paris, France)

### Industry Lunchtime Symposium: Eliminating COPD as a leading cause of death: advancing frontiers in cardiopulmonary risk

*Organised by AstraZeneca*

**Chairs:** Christine Jenkins (McMahons Point (NSW), Australia)

1. **12:15**
   - Welcome and introductions
     - Christine Jenkins (McMahons Point (NSW), Australia)

2. **12:18**
   - Cardiopulmonary risk: is this the biggest threat in COPD?
     - John R Hurst (London, United Kingdom)

3. **12:28**
   - Managing cardiopulmonary risk: how can we prevent exacerbations and avoidable death?
     - Arschang Valipour (Wien, Austria)

4. **12:43**
   - COPD matters: why must we act NOW to transform clinical care?
     - Erika Penz (Saskatoon, Canada), Christine Jenkins (McMahons Point (NSW), Australia)
### Session 124 12:15 - 13:15

**Industry Lunchtime Symposium: Innovations in Protection: Building on the Legacy of Pneumococcal Conjugate Vaccines**  
*Organised by Pfizer*

**Chairs:** Robert Krause (Graz, Austria)

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<td>12:15</td>
<td>Welcome and Opening Remarks on the Importance of Pneumococcal Vaccination</td>
<td>Robert Krause (Graz, Austria)</td>
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</tr>
<tr>
<td>12:23</td>
<td>Protecting Against Pneumococcal Disease in Adults with Chronic Respiratory Conditions</td>
<td>Stylianos Loukides (Athens, Greece)</td>
<td>1116</td>
</tr>
<tr>
<td>12:48</td>
<td>Addressing the Burden of Pediatric Pneumococcal Disease with the 20-Valent Pneumococcal Conjugate Vaccine</td>
<td>Odile Launay (Paris, France)</td>
<td>1117</td>
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<tr>
<td>13:03</td>
<td>Faculty Discussion and Q&amp;A Session</td>
<td>All Speakers</td>
<td>1118</td>
</tr>
<tr>
<td>13:14</td>
<td>Closing Remarks</td>
<td>Robert Krause (Graz, Austria)</td>
<td>1119</td>
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### Session 125 12:15 - 13:15

**Industry Lunchtime Symposium: Holistic approach to improve quality of life of people living with COPD**  
*Organised by Chiesi Farmaceutici SpA*

**Chairs:** Daiana Stolz (Freiburg, Germany), Claus Vogelmeier (Marburg, Germany)

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<tr>
<td>12:15</td>
<td>Welcome and introduction</td>
<td>Daiana Stolz (Freiburg, Germany), Claus Vogelmeier (Marburg, Germany)</td>
<td>1120</td>
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<tr>
<td>12:20</td>
<td>Unveiling the multifaceted burden of COPD</td>
<td>Daiana Stolz (Freiburg, Germany)</td>
<td>1121</td>
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<tr>
<td>12:50</td>
<td>Enhancing COPD patients’ lives through appropriate device selection</td>
<td>Omar S. Usmani (London, United Kingdom)</td>
<td>1123</td>
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<tr>
<td>12:35</td>
<td>Real-Life insights into COPD management: focusing on patient-centric endpoints</td>
<td>Paola Rogliani (Roma (RM), Italy)</td>
<td>1122</td>
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<tr>
<td>13:05</td>
<td>Q&amp;A and Discussion</td>
<td>Daiana Stolz (Freiburg, Germany), Claus Vogelmeier (Marburg, Germany), Omar S. Usmani (London, United Kingdom), Paola Rogliani (Roma (RM), Italy)</td>
<td>1124</td>
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### Session 126 12:15 - 13:15

**Industry Lunchtime Symposium: Examining the evidence in airway disease: Is the epithelium the missing link?**  
*Organised by AstraZeneca*

**Chairs:** Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)

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<tr>
<td>12:15</td>
<td>Welcome from the Chair and session objectives</td>
<td>Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)</td>
<td>1125</td>
</tr>
<tr>
<td>12:17</td>
<td>Epithelial-driven inflammation: the upstream initiator of airway disease</td>
<td>Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)</td>
<td>1126</td>
</tr>
</tbody>
</table>
Exploring the impact of environmental triggers on epithelial barrier dysfunction: initiation of a complex inflammatory cascade
Asger Sverrild (Valby, Denmark)

Understanding the critical role of the epithelium as an immune-functioning organ and driver of multiple inflammatory pathways that underpin disease
Simon Couillard (Sherbrooke, Canada)

Repair towards remission: epithelial-driven inflammation and opportunities to restore epithelial barrier function
Julia Eckl-Dorna (Vienna, Austria)

Panel discussion: A need for a joined-up approach to airway disease management – challenging the current care paradigm
Christopher E. Brightling (Leicester (Leicestershire), United Kingdom), Asger Sverrild (Valby, Denmark), Simon Couillard (Sherbrooke, Canada), Julia Eckl-Dorna (Vienna, Austria)

Reflection from the Chair
Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)

Meeting close
Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)

Organised by Sanofi Regeneron

Welcome and Introductions
Christian Taube (Essen, Germany), Kenneth R. Chapman (Toronto (ON), Canada), Wisia Wedzicha (London, United Kingdom)

Data Review and Panel Discussion
Christian Taube (Essen, Germany), Kenneth R. Chapman (Toronto (ON), Canada), Wisia Wedzicha (London, United Kingdom)

Summary and Close
Christian Taube (Essen, Germany), Kenneth R. Chapman (Toronto (ON), Canada), Wisia Wedzicha (London, United Kingdom)

Audience Q&A
Christian Taube (Essen, Germany), Kenneth R. Chapman (Toronto (ON), Canada), Wisia Wedzicha (London, United Kingdom)

Industry Lunchtime Symposium: Changing PAH patients’ lives: Making the difference with shared decision-making from diagnosis
Organised by Johnson & Johnson

Welcome and Introduction
Silvia Ulrich (Zurich, Switzerland)

Patient Perspective
Eva Otter (Vienna, Austria)

Patient Perspective Q&A
Silvia Ulrich (Zurich, Switzerland), Eva Otter (Vienna, Austria), Horst Olschewski (Graz, Austria)

How to change the course of PAH
Michele D’Alto (Napoli (NA), Italy)

How to stay on course in PAH
Hans Klose (Hamburg, Germany)
Panel discussion with audience Q&A
Silvia Ulrich (Zurich, Switzerland), Horst Olschewski (Graz, Austria), Michele D’Alto (Napoli (NA), Italy), Hans Klose (Hamburg, Germany)

Closing remarks
Horst Olschewski (Graz, Austria)

Lehar 3 Session 165 12:45 - 13:45

Industry Lunchtime Symposium: It Takes A Village: Driving Change for RSV Prevention and Respiratory Health in Adults
Organised by Moderna

Welcome and Introduction
Grant Waterer (Perth (WA), Australia)

Respiratory Outcomes following RSV Infection in Adults
Alberto Papi (Cona, Ferrara, Italy)

Innovations in RSV Prevention for Respiratory Health
Edward Walsh (Rochester, United States)

Perspectives on Multidisciplinary Care for RSV Prevention
Martina Prelog (Wuerzburg, Germany)

Closing Remarks and Q&A
All Speakers

Strauss 1 Session 166 12:45 - 13:45

Industry Lunchtime Symposium: Bronchiectasis Exacerbations - Are We Doing Everything We Can?
Organised by Insmed

Introduction and Objectives
Eva Polverino (Barcelona, Spain)

Why are Bronchiectasis Exacerbations Significant? How does Inflammation Drive Bronchiectasis Exacerbations?
Pieter Goeminne (Bornem, Belgium)

Understanding the Impact of Bronchiectasis Exacerbations on Patients and Current Management Strategies
Michal Steinberg (Haifa, Israel)

Emerging Therapeutic Approaches for the Prevention of Bronchiectasis Exacerbations
Pamela J. McShane (Tyler, United States)

Panel Discussion and Q&A
All Speakers

Close
Eva Polverino (Barcelona, Spain)

Strauss 2 Session 167 12:45 - 13:45

Industry Lunchtime Symposium: The Hidden Burden of Asthma: Can Novel Pathways Innovate Asthma Care?
Organised by Sanofi

Opening Remarks
Guy Brusselle (Ghent, Belgium)

Understanding the Hidden Burden of Disease in Asthma
Monica Kraft (New York, United States)
### Insights Into Evolving Treatment Pathways in Asthma
Celeste Michala Porsbjerg (Copenhagen, Denmark)

### Panel Discussion: Innovation to Address Asthma Burden
Guy Brusselle (Ghent, Belgium)

### Audience Q&A and Closing Remarks
Guy Brusselle (Ghent, Belgium)

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**Lehar 1**  
**Session 175**  
**14:00 - 14:45**

**Industry Skills Lab Workshop: Application of Oscillometry in Clinical Practice – Common Use Cases and Result Interpretation**
*Organised by GANSHORN Medizin Electronic GmbH*

**Chairs:** Frederik Trinkmann (Heidelberg, Germany)

**Application of Oscillometry in Clinical Practice – Common Use Cases and Result Interpretation**
Frederik Trinkmann (Heidelberg, Germany)

**Application of Oscillometry in Clinical Practice – Live interactive demonstration of oscillometry and Q&A**
Frederik Trinkmann (Heidelberg, Germany)

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**Lehar 2**  
**Session 176**  
**14:00 - 14:45**

**Industry Skills Lab Workshop: Exploring Advanced Techniques: Peripheral Bronchoscopic Lung Biopsy with Mini-Probe and Navigation Planning**
*Organised by FUJIFILM Healthcare Europe GmbH*

**Chairs:** Arschang Valipour (Wien, Austria)

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**Lehar 1**  
**Session 195**  
**15:30 - 16:15**

**Industry Skills Lab Workshop: Complementary ways of generating evidence with OSA therapies**
*Organised by ResMed*

**Chairs:** Esther Irene Schwarz (Zürich, Switzerland), Raphael Heinzer (Lausanne, Switzerland)

**What have we learned from post-hoc and on-treatment analysis of RCTs with CPAP on cardiovascular outcomes?**
Manuel Sanchez De La Torre (Toledo, Spain)

**Exploring alternative study designs in OSA**
Jean-Louis Pépin (Grenoble, France)

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**Lehar 2**  
**Session 196**  
**15:30 - 16:15**

**Industry Skills Lab Workshop: “Making the most of body plethysmography measurements”**
*Organised by Vyaire Medical GmbH*

**Chairs:** Herman Groepenhoff (Lijnden, Netherlands)

**“Making the most of body plethysmography measurements”**
Aisling McGowan (Dublin 15, Ireland)

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**C5**  
**Session 206**  
**17:30 - 19:00**

**Industry evening symposium: PPF: Progress over PerFection**
*Organised by Boehringer Ingelheim International GmbH*

**Chairs:** Marlies S. Wijsenbeek (Rotterdam, Netherlands)

**Introduction**
Marlies S. Wijsenbeek (Rotterdam, Netherlands)

**What is progressive pulmonary fibrosis (PPF)?**
Marlies S. Wijsenbeek (Rotterdam, Netherlands)

**What have real-world data taught us about PPF?**
Kevin R. Flaherty (Pinckney, United States)
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<tr>
<td>18:00</td>
<td>Management of PPF: patient case studies</td>
<td>Marlies S. Wijsenbeek (Rotterdam, Netherlands), Vanessa Smith (Ghent, Belgium), Helmut Prosch (Wien, Austria)</td>
<td>2019</td>
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<tr>
<td>18:30</td>
<td>PPF: where might the future take us?</td>
<td>Toby M Maher (Los Angeles, United States)</td>
<td>2020</td>
</tr>
<tr>
<td>18:45</td>
<td>Questions and answers</td>
<td>Marlies S. Wijsenbeek (Rotterdam, Netherlands), Vanessa Smith (Ghent, Belgium), Helmut Prosch (Wien, Austria), Toby M Maher (Los Angeles, United States), Kevin R. Flaherty (Pinckney, United States)</td>
<td>2021</td>
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### Industry evening symposium: Asthma & AIR: Treating Inflammation. Every Inhalation?

**Organised by AstraZeneca**

**Chairs:** Tim Harrison (Nottingham (Nottinghamshire), United Kingdom)

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<th>Time</th>
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<tr>
<td>17:30</td>
<td>Welcome and introduction</td>
<td>Tim Harrison (Nottingham (Nottinghamshire), United Kingdom)</td>
<td>2022</td>
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<tr>
<td>17:40</td>
<td>Global strategy for the prevention and management of asthma 2024</td>
<td>Helen Reddel (Sydney, Australia)</td>
<td>2023</td>
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<td>17:55</td>
<td>3 Step AIR in New Zealand</td>
<td>Richard Beasley (Wellington, New Zealand)</td>
<td>2024</td>
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<td>18:10</td>
<td>Improving asthma care through implementation of the China CARE4ALL program</td>
<td>Kewu Huang (Beijing, China)</td>
<td>2025</td>
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<tr>
<td>18:25</td>
<td>Q&amp;A session</td>
<td>Tim Harrison (Nottingham (Nottinghamshire), United Kingdom), Helen Reddel (Sydney, Australia), Richard Beasley (Wellington, New Zealand), Kewu Huang (Beijing, China)</td>
<td>2026</td>
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<tr>
<td>18:50</td>
<td>Concluding remarks</td>
<td>Tim Harrison (Nottingham (Nottinghamshire), United Kingdom)</td>
<td>2027</td>
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### Industry evening symposium: Reshaping Expectations in Severe Asthma: Achieving More Beyond Symptom Control

**Organised by Sanofi Regeneron**

**Chairs:** Alberto Papi (Cona, Ferrara, Italy)

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<th>Time</th>
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<tbody>
<tr>
<td>17:30</td>
<td>Opening Remarks</td>
<td>Alberto Papi (Cona, Ferrara, Italy), Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Celeste Michala Porsbjerg (Copenhagen, Denmark)</td>
<td>2033</td>
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<tr>
<td>17:40</td>
<td>Interactive Discussion: Advancing treatment goals and evolving expectations in the treatment of severe type 2 asthma</td>
<td>Alberto Papi (Cona, Ferrara, Italy), Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Celeste Michala Porsbjerg (Copenhagen, Denmark)</td>
<td>2034</td>
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<tr>
<td>18:45</td>
<td>Closing Remarks</td>
<td>Alberto Papi (Cambridge (Cambridgeshire), United Kingdom), Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Celeste Michala Porsbjerg (Copenhagen, Denmark)</td>
<td>2035</td>
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<tr>
<td>18:50</td>
<td>Audience Q &amp; A</td>
<td>Alberto Papi (Cona, Ferrara, Italy), Ian Douglas Pavord (Oxford (Oxfordshire), United Kingdom), Celeste Michala Porsbjerg (Copenhagen, Denmark)</td>
<td>2036</td>
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### Industry evening symposium: Transforming care in SEA: evidence and considerations for evolution of the current treatment paradigm

**Organised by AstraZeneca**

**Chairs:** Stefano Del Giacco (Cagliari (CA), Italy)
Welcome from the Chair and session objectives
Stefano Del Giacco (Cagliari (CA), Italy)

Latest advances in understanding of the critical role of eosinophils in severe asthma: the key driver of the hallmarks of disease
Katrin Milger-Kneidinger (Munich, Germany)

A focus on persistent airflow obstruction in SEA
Felix J.F. Herth (Heidelberg, Germany)

Remission as a clinical target in SEA
Stephanie Korn (Mainz, Germany)

Panel discussion: Beyond asthma control and remission: tackling the treatment escalator
Stefano Del Giacco (Cagliari (CA), Italy), Stephanie Korn (Mainz, Germany), Felix J.F. Herth (Heidelberg, Germany), Katrin Milger-Kneidinger (Munich, Germany)

Meeting close
Stefano Del Giacco (Cagliari (CA), Italy)

Industry evening symposium: From pulmonary embolism to chronic thromboembolic pulmonary hypertension management- A full patient journey.
Organised by MSD
Chairs : Marion Delcroix (Leuven, Belgium), Irene Lang (Wien, Austria)

Opening remarks
Irene Lang (Wien, Austria), Marion Delcroix (Leuven, Belgium)

Walking the thin path from pulmonary embolism to chronic thromboembolic disease/chronic thromboembolic pulmonary hypertension
Erik Klok (Leiden, Netherlands)

Multimodal approach of CTEPH management: Where do we stand today?
Xavier Jais (Le Kremlin-Bicêtre, France)

Overview of landmark trials of medical therapies in CTEPH
Nick Kim (La Jolla, United States)

What do we know about residual pulmonary hypertension post pulmonary endarterectomy/balloon pulmonary angioplasty and how to address it?
Joanna Pepke-Zaba (Cambridge, United Kingdom)

What have we learned from recent CTEPH registries?
Marion Delcroix (Leuven, Belgium)

Q&A and faculty pannel discussion
Irene Lang (Wien, Austria)

Closing remarks
Marion Delcroix (Leuven, Belgium), Irene Lang (Wien, Austria)

Industry evening symposium: Breathing with COPD: Priority goals that matter to patients
Organised by Menarini Group
Chairs : Arschang Valipour (Wien, Austria)

COPD: Challenges we are facing in 2024
Arschang Valipour (Wien, Austria)

Early detection of COPD: is a symptom-based approach useful?
Marie-Kathrin Breyer (Wien, Austria)

Real world evidence on treatment patterns and comorbidities in COPD
Pierachille Santus (Milano (MI), Italy)
### Lehar 1  Session 213  17:30 - 19:00

**Industry evening mini symposium: Readdressing the focus on lung diseases: New research insights on patients’ needs**

*Organised by Grifols*

**Chairs:** Eva Polverino (Barcelona, Spain), Noel Gerard McElvaney (Dublin, Ireland)

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<tr>
<td>17:35</td>
<td>Navigating severe acquired pneumonia: Strategies for effective treatment</td>
<td>Ignacio Martin-Loeches (Dublin, Ireland)</td>
</tr>
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<td>17:55</td>
<td>Markers of inflammation, mirrors of disease: Shining light on bronchiectasis</td>
<td>Eva Polverino (Barcelona, Spain)</td>
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<tr>
<td>18:15</td>
<td>Exploring co-morbidities and exacerbations in COPD and AATD: Gender matters</td>
<td>Franziska Trudzinski (Heidelberg, Germany)</td>
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<td>18:35</td>
<td>Charting the course: Learnings from AATD registry studies</td>
<td>Noel Gerard McElvaney (Dublin, Ireland)</td>
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<td>18:50</td>
<td>Final discussion and summary</td>
<td>Noel Gerard McElvaney (Dublin, Ireland)</td>
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<td>18:55</td>
<td>ALTA awards ceremony and closing</td>
<td>Marion Trautmann (Frankfurt am Main, Germany), Noel Gerard McElvaney (Dublin, Ireland)</td>
</tr>
<tr>
<td>18:30</td>
<td>Welcome and introduction</td>
<td>Noel Gerard McElvaney (Dublin, Ireland), Eva Polverino (Barcelona, Spain)</td>
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### Lehar 2  Session 214  17:30 - 19:00

**Industry evening mini symposium: Pulmonary Alveolar Proteinosis: Pathophysiology, Diagnosis, and Management**

*Organised by Savara Inc.*

**Chairs:** Brian Robinson (Langhorne, United States)

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<tr>
<td>17:30</td>
<td>Introduction led by Brian Robinson</td>
<td>Brian Robinson (Langhorne, United States)</td>
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<tr>
<td>17:40</td>
<td>Pathophysiology of Pulmonary Alveolar Proteinosis</td>
<td>Cormac McCarthy (Dublin 4, Ireland)</td>
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<tr>
<td>18:00</td>
<td>Diagnosis of Pulmonary Alveolar Proteinosis</td>
<td>Elisabeth Bendstrup (Aarhus N, Denmark)</td>
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<td>18:20</td>
<td>Management of Pulmonary Alveolar Proteinosis</td>
<td>Francesco Bonella (Essen, Germany)</td>
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<tr>
<td>18:40</td>
<td>Question &amp; Answer led by Brian Robinson</td>
<td>Cormac McCarthy (Dublin 4, Ireland), Francesco Bonella (Essen, Germany), Elisabeth Bendstrup (Aarhus N, Denmark)</td>
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Lehar 3  
**Session 215  07:30 - 08:30**

**Industry early morning symposium: Biologic Therapy for Pediatric Severe Asthma: Is Clinical Remission Possible?**

*Organised by Sanofi Regeneron*

**Chairs:** Leonard Bacharier (Nashville, United States)

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<td>Welcome</td>
<td>Leonard Bacharier</td>
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<td>07:35</td>
<td>Real-World Patient Case – Introduction</td>
<td>Leonard Bacharier</td>
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<tr>
<td>07:45</td>
<td>Panel Discussion: What Might Be Required for On-Therapy Remission in Pediatric Severe Asthma?</td>
<td>All Speakers</td>
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<tr>
<td>07:55</td>
<td>How Can Biologics Help Achieve Clinical Remission in Children With Severe Asthma?</td>
<td>Sharon Dell (Vancouver, British Columbia, Canada)</td>
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<tr>
<td>08:15</td>
<td>Real-World Patient Case – Follow Up</td>
<td>Leonard Bacharier</td>
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<tr>
<td>08:20</td>
<td>Audience Q&amp;A</td>
<td>All Speakers</td>
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Lehar 1  
**Session 219  08:00 - 08:45**

**Industry Skills Lab Workshop: Enhancing Patient Outcomes with G3 Series CPAP / BPAP and PAP Link Digital Health Solution**

*Organised by BMC Medical Co.Ltd.*

**Chairs:** ludovic ABUAF (ROMORANTIN LANTHENAY, France)

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<th>Time</th>
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<tr>
<td>08:00</td>
<td>Enhancing Patient Outcomes with G3 Series CPAP / BPAP and PAP Link Digital Health Solution</td>
<td>Julien Favier (Roanne, France)</td>
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Lehar 2  
**Session 220  08:00 - 08:45**

**Industry Skills Lab Workshop: Application of Oscillometry in daily practice – current clinical applications and research**

*Organised by INOGEN*

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<td>08:00</td>
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Lehar 1  
**Session 276  10:30 - 11:15**

**Industry Skills Lab Workshop: Beyond medication: optimising COPD care with non-invasive ventilation (NIV) and high-flow therapy (HFT)**

*Organised by ResMed*

**Chairs:** Nicholas Hart (London, United Kingdom), Ulla Møller Weinreich (Ålborg, Denmark)

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<tbody>
<tr>
<td>10:30</td>
<td>Home HFT's role and benefits in optimising management of COPD</td>
<td>Annalisa Carlucci (San Donato Milanese (MI), Italy)</td>
</tr>
<tr>
<td>10:50</td>
<td>Home NIV's role and benefits in optimising management of COPD</td>
<td>Maxime Patout (Paris, France)</td>
</tr>
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## Industry Skills Lab Workshop: The impact of humidified high flow on mucus retention

*Organised by Fisher & Paykel Healthcare*

**Chairs:** Michael Dreher (Aachen, Germany), Anthony Desoyza (, United Kingdom)

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<th>Time</th>
<th>Title</th>
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<tbody>
<tr>
<td>10:30</td>
<td>Sputum viscosity is correlated with Computed Tomography (CT) mucus score</td>
<td>Jérémy Charriot (Montpellier Cedex 5, France)</td>
<td>2842</td>
</tr>
<tr>
<td>10:48</td>
<td>Effect of humidified high flow on mucus viscosity</td>
<td>Roberto Martinez Alejos (Montpellier, France)</td>
<td>2843</td>
</tr>
<tr>
<td>11:06</td>
<td>Can humidified high flow reverse mucus plugging?</td>
<td>Claudia Crimi (Catania (CT), Italy)</td>
<td>2844</td>
</tr>
</tbody>
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## Session 289 12:15 - 13:15

**Industry Lunchtime Symposium: Targeting TSLP: Addressing the multiple drivers of severe asthma with TEZSPIRE**

*Organised by AstraZeneca*

**Chairs:** Njira Lugogo (Durham, United States)

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<th>Reference</th>
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<tr>
<td>12:15</td>
<td>Welcome from the Chair and session objectives</td>
<td>Njira Lugogo (Durham, United States)</td>
<td>2914</td>
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<td>12:20</td>
<td>Latest evidence</td>
<td>Marco Caminati (Verona (VR), Italy)</td>
<td>2915</td>
</tr>
<tr>
<td>12:35</td>
<td>Comprehensive management of severe uncontrolled asthma: The case for TEZSPIRE</td>
<td>Njira Lugogo (Durham, United States), Marco Caminati (Verona (VR), Italy), Hitasha Rupani (Southampton, United Kingdom), Dirk Skowasch (Bonn, Germany)</td>
<td>2916</td>
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<tr>
<td>13:05</td>
<td>Audience Q&amp;A</td>
<td>Njira Lugogo (Durham, United States), Marco Caminati (Verona (VR), Italy), Hitasha Rupani (Southampton, United Kingdom), Dirk Skowasch (Bonn, Germany)</td>
<td>2917</td>
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<tr>
<td>13:10</td>
<td>Meeting close</td>
<td>Njira Lugogo (Durham, United States)</td>
<td>2918</td>
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## Session 290 12:15 - 13:15

**Industry Lunchtime Symposium: A Breath of Fresh Air: A Greater Understanding of COPD With Type 2 Inflammation**

*Organised by Sanofi Regeneron*

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<tr>
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<td>Welcome and Introductions</td>
<td>Henrik Watz (Großhansdorf, Germany)</td>
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<tr>
<td>12:20</td>
<td>Living With COPD: Linking Inflammation With Patient Burden</td>
<td>Henrik Watz (Großhansdorf, Germany)</td>
<td>2920</td>
</tr>
<tr>
<td>12:30</td>
<td>Unraveling the Role of Type 2 Inflammation in COPD</td>
<td>Mona Bafadhel (London, United Kingdom)</td>
<td>2921</td>
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<tr>
<td>12:45</td>
<td>On Target: Perspectives From the Evolving Biologic Landscape in COPD</td>
<td>Alberto Papi (Cona, Ferrara, Italy)</td>
<td>2922</td>
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<tr>
<td>13:05</td>
<td>Panel Discussion and Audience Q&amp;A</td>
<td>All Speakers</td>
<td>2923</td>
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## Session 291 12:15 - 13:15

**Industry Lunchtime Symposium: Can we break through the therapeutic ceiling in severe asthma?**

*Organised by GSK*

**Chairs:** Celeste Michala Porsbjerg (Copenhagen, Denmark)
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<tr>
<td>12:15</td>
<td>Introduction and housekeeping</td>
<td>Celeste Michala Porsbjerg (Copenhagen, Denmark)</td>
<td>2924</td>
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<tr>
<td>12:20</td>
<td>What unmet needs remain in the biologics era?</td>
<td>Celeste Michala Porsbjerg (Copenhagen, Denmark)</td>
<td>2925</td>
</tr>
<tr>
<td>12:30</td>
<td>Improving outcomes in chronic inflammatory conditions: What more can we do?</td>
<td>Dominick Shaw (Leicester, United Kingdom), Tim Raine (Cambridgeshire, United Kingdom)</td>
<td>2926</td>
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<tr>
<td>12:55</td>
<td>Emerging therapies: What’s next in severe asthma?</td>
<td>Florence Schleich (Liège, Belgium)</td>
<td>2927</td>
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<td>13:10</td>
<td>Closing remarks and audience Q&amp;A</td>
<td>Celeste Michala Porsbjerg (Copenhagen, Denmark)</td>
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**C6 Session 293** 12:15 - 13:15

**Industry Lunchtime Symposium: Optimizing Pneumococcal Disease Prevention By Considering Adult Population Needs**

*Organised by MSD*

**Chairs**: Günter Weiss (Innsbruck, Austria)

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<td>Welcome and introduction by chair</td>
<td>Günter Weiss (Innsbruck, Austria)</td>
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<td>12:20</td>
<td>Unique serotype epidemiology of adult pneumococcal disease</td>
<td>Mário Ramirez (Lisbon, Portugal)</td>
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<tr>
<td>12:35</td>
<td>Burden of pneumococcal disease in adults in Europe – results from the PNEUMO Study EUROPE</td>
<td>Lisa Hessels (Alkmaar, Netherlands)</td>
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<td>12:50</td>
<td>Designing an adult-specific pneumococcal vaccine</td>
<td>Vinita Jagannath (, Switzerland)</td>
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<td>13:05</td>
<td>Question and Answers</td>
<td>Günter Weiss (Innsbruck, Austria)</td>
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**C3 Session 295** 12:15 - 13:15

**Industry Lunchtime Symposium: Breathing in Harmony: Tailoring Treatment for COPD and Asthma**

*Organised by Menarini Group*

**Chairs**: Bernd Lamprecht (Linz, Austria)

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<tr>
<td>12:15</td>
<td>Introduction</td>
<td>Bernd Lamprecht (Linz, Austria)</td>
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<td>12:20</td>
<td>Double treatment in COPD</td>
<td>Paola Rogliani (Roma (RM), Italy)</td>
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<td>12:35</td>
<td>Triple Therapy in COPD: When and How?</td>
<td>Claus Vogelmeier (Marburg, Germany)</td>
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<td>12:50</td>
<td>How to choose the right ICS/LABA in Asthma?</td>
<td>Dave Singh (Manchester, United Kingdom)</td>
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<td>13:05</td>
<td>Q&amp;A</td>
<td>All Speakers</td>
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**A3 Session 331** 12:45 - 13:45

**Industry Lunchtime Symposium: Embrace patient perspectives and new real-world evidence towards better asthma management**

*Organised by Chiesi Farmaceutici SpA*

**Chairs**: Sally Wenzel (Pittsburgh, United States), Marco Idzko (Wien, Austria)
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<tr>
<td>12:45</td>
<td>Welcome and introduction</td>
<td>Sally Wenzel (Pittsburgh, United States), Marco Idzko (Wien, Austria)</td>
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<td>12:50</td>
<td>Looking deep into the lung in asthma: the role of small airways disease</td>
<td>Monica Kraft (New York, United States)</td>
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<td>13:00</td>
<td>Q&amp;A/discussion</td>
<td>Oriana Sousa (Marinha Grande, Portugal), Jutta Beier (Wiesbaden, Germany), Sally Wenzel (Pittsburgh, United States), Marco Idzko (Wien, Austria), Monica Kraft (New York, United States), Kai Michael Beeh (Taunusstein, Germany)</td>
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<td>13:05</td>
<td>Listen carefully to the patient's perspective</td>
<td>Jutta Beier (Wiesbaden, Germany), Oriana Sousa (Marinha Grande, Portugal)</td>
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<td>13:25</td>
<td>Q&amp;A/discussion</td>
<td>Sally Wenzel (Pittsburgh, United States), Marco Idzko (Wien, Austria), Monica Kraft (New York, United States), Jutta Beier (Wiesbaden, Germany), Oriana Sousa (Marinha Grande, Portugal), Kai Michael Beeh (Taunusstein, Germany)</td>
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<td>13:30</td>
<td>Learning from patient reported outcomes in real-world evidence</td>
<td>Kai Michael Beeh (Taunusstein, Germany)</td>
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<td>13:40</td>
<td>Q&amp;A/discussion</td>
<td>Sally Wenzel (Pittsburgh, United States), Marco Idzko (Wien, Austria), Monica Kraft (New York, United States), Jutta Beier (Wiesbaden, Germany), Oriana Sousa (Marinha Grande, Portugal), Kai Michael Beeh (Taunusstein, Germany)</td>
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### Lehar 3  Session 332  12:45 - 13:45

**Industry Lunchtime Symposium: Paving the way: the role of pulmonologists in optimising NSCLC diagnosis and management - an interactive, case-based symposium**

**Organised by AstraZeneca**

**Chairs:** Alona Zer (Haifa, Israel)

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<td>Welcome and introduction</td>
<td>Alona Zer (Haifa, Israel)</td>
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<td>12:55</td>
<td>On the horizon: innovative techniques for improving NSCLC screening and diagnosis (including Q&amp;A)</td>
<td>Luis Seijo (Madrid, Spain)</td>
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<td>13:10</td>
<td>Embracing the future: integrating novel techniques in the diagnostic workup of NSCLC (including Q&amp;A)</td>
<td>Lina Zuccatosta (Torrette (AN), Italy)</td>
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<td>13:25</td>
<td>Acting as one: enabling optimal patient outcomes through multidisciplinary team collaboration (including Q&amp;A)</td>
<td>Mir Ali Reza Hoda (Wien, Austria)</td>
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<tr>
<td>13:40</td>
<td>Panel discussion, summary and close</td>
<td>Alona Zer (Haifa, Israel), Luis Seijo (Madrid, Spain), Lina Zuccatosta (Torrette (AN), Italy), Mir Ali Reza Hoda (Wien, Austria)</td>
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### Strauss 2  Session 334  12:45 - 13:45

**Industry Lunchtime Symposium: Sounding the ALARM-in COPD: Act at the firST2 opportunity**

**Organised by F. Hoffmann-La Roche Ltd.**

**Chairs:** Alvar Agusti Garcia-Navarro (Barcelona, Spain)

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<tr>
<td>12:45</td>
<td>Opening remarks</td>
<td>Alvar Agusti Garcia-Navarro (Barcelona, Spain)</td>
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<td>12:50</td>
<td>Transforming our approach to exacerbations: patient and HCP perspectives</td>
<td>Alvar Agusti Garcia-Navarro (Barcelona, Spain), Peter Deussen (-, United Kingdom)</td>
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<td>13:05</td>
<td>The alarmin pathway: ST2eering a course through the science</td>
<td>Jadwiga Wedzicha (London, United Kingdom)</td>
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The clinical trial landscape in COPD: extending the reach of biologics
Fernando J. Martinez (New York, United States)

Q&A and closing remarks
Alvar Agusti Garcia-Navarro (Barcelona, Spain), Jadwiga Wedzicha (London, United Kingdom), Fernando J. Martinez (New York, United States)

Industry Skills Lab Workshop: Unlocking Success in Sleep Therapy: Navigating clinical Cases in CPAP and Servo Ventilation therapies
Organised by Philips
Chairs: Jennifer Mattingley (LaCrosse, United States)

14:00 Clinical cases in obstructive sleep apnea
Sara Parsons (Surrey, United Kingdom)

14:20 Challenges in managing patients on Servo Ventilation therapy
Kristina Ziherl (Ljubljana, Slovenia)

Industry Skills Lab Workshop: Sputum Management of Muco-Obstructive Diseases: Why and How
Organised by PhysioAssist
Chairs: Claudio Rabec (Lausanne, Switzerland)

14:00 Chair Introduction

14:05 Sputum Clearance: why a pilar treatment?
TBD TBD

14:15 Simeox clinical case in hospitalized patient
Laurence Vignaux

14:25 Simeox clinical case in patients at home
Pontus Mertsch (Wolfratshausen, Germany)

14:35 Simeox airway clearance device Hands-on

Industry Skills Lab Workshop: Hypercapnic patients from hospital to home, new approaches with humidified high flow.
Organised by Fisher & Paykel Healthcare
Chairs: Jens Bräunlich (Leipzig, Germany), Ole Hilberg (Vejle, Denmark)

15:30 Nasal high flow in patients with hypercapnic respiratory failure
Stefano Nava (Bologna (BO), Italy)

15:48 Respiratory support with asymmetrical nasal high flow in COPD patients during acute exacerbation.
Georg Nilius (Dortmund, Germany)

16:06 Is there a place for Duet in long-term high flow treatment?
Ulla Møller Weinreich (Ålborg, Denmark)

Industry Skills Lab Workshop: The Impact of Lung Cancer Screening Programs on the Interventional Pulmonology & Bronchoscopy suite
Organised by FUJIFILM Healthcare Europe GmbH
Chairs: Neal Navani (London, United Kingdom)
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<tr>
<td>17:30</td>
<td>Welcome</td>
<td>Klaus F. Rabe (Kiel, Germany)</td>
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<td>17:35</td>
<td>Pathophysiologic Mechanisms of Airway Remodeling in Severe Asthma</td>
<td>Celeste Michala Porsbjerg (Copenhagen, Denmark)</td>
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<tr>
<td>17:55</td>
<td>View From the Clinic: What Are the Clinical Consequences of Airway Remodeling?</td>
<td>Klaus F. Rabe (Kiel, Germany)</td>
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<td>18:15</td>
<td>Can Biologics Reverse Airway Remodeling?</td>
<td>Mario Castro (Kansas City, United States)</td>
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<td>18:35</td>
<td>Fireside Chat: What Is the Potential for Disease Modification in the Era of Biologics?</td>
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<td>18:50</td>
<td>Q&amp;A</td>
<td>All Speakers</td>
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**Session 375**  
**17:30 - 19:00**

**Industry evening symposium: Climate change and air pollution: Interventions to increase adaptation and resiliency in respiratory health**  
*Organised by Haleon*

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<td>Welcome and introduction</td>
<td>Dave Hill (Nyon, Switzerland), Christopher Carlsten (Vancouver (BC), Canada)</td>
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<td>17:35</td>
<td>Climate change as a risk to respiratory health: Status</td>
<td>Christopher Carlsten (Vancouver (BC), Canada)</td>
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<td>17:45</td>
<td>Discussion: Importance of behaviour change</td>
<td>Sundeep Santosh Salvi (Pune (Maharashtra), India)</td>
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<td>18:05</td>
<td>Discussion: Diet and exercise</td>
<td>Kian Fan Chung (London, United Kingdom)</td>
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<td>18:25</td>
<td>Discussion: Antioxidants and anti-inflammatories</td>
<td>Gary Wong (Shatin, Hong Kong)</td>
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<tr>
<td>18:45</td>
<td>Audience live Q&amp;A</td>
<td>Christopher Carlsten (Vancouver (BC), Canada), Sundeep Santosh Salvi (Pune (Maharashtra), India), Kian Fan Chung (London, United Kingdom), Gary Wong (Shatin, Hong Kong)</td>
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<tr>
<td>18:55</td>
<td>Summary and close</td>
<td>Christopher Carlsten (Vancouver (BC), Canada)</td>
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**Session 376**  
**17:30 - 19:00**

**Industry evening symposium: Finding the right balance: Choosing ICS/LABA for your moderate asthma patients**  
*Organised by GSK*

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<tr>
<td>17:30</td>
<td>Introduction and welcome</td>
<td>Ashley Woodcock (London, United Kingdom)</td>
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<td>17:35</td>
<td>Why is timely assessment critical for ICS/LABA initiation in moderate asthma?</td>
<td>Ashley Woodcock (London, United Kingdom)</td>
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| Time | Session 378 | Industry evening symposium: Syndemics in COPD: could cardiopulmonary risk be key?  
Organised by AstraZeneca  
Chairs : Bartolome R. Celli Croquer (Boston, United States) |
|------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 17:30| Welcome and introduction  
Bartolome R. Celli Croquer (Boston, United States) | 3845 |
| 17:35| Syndemics: a novel approach to patient-centred care in COPD  
Bartolome R. Celli Croquer (Boston, United States) | 3846 |
| 17:45| Cardiopulmonary risk: the evidence so far and what it means in practice  
Jennifer Quint (Wimbledon, United Kingdom), Michael Crooks (East Riding of Yorkshire, United Kingdom) | 3847 |
| 18:05| Cardiologist perspectives and practical considerations for COPD  
Shelley Zieroth (Winnipeg, Canada) | 3848 |
| 18:20| Optimising COPD to protect the heart: what could the future look like?  
Fernando J. Martinez (New York, United States) | 3849 |
| 18:30| Panel discussion and live audience Q&A | 3850 |
| 18:55| Summary and close  
Bartolome R. Celli Croquer (Boston, United States) | 3851 |
|      |                                           |  |
| Time | Session 379 | Industry evening mini symposium: Boosting the Protection of At-Risk Adults: How Vaccines Help Protect Vulnerable Lungs  
Organised by Sanofi  
Chairs : Alberto Papi (Cona, Ferrara, Italy), Rosario Menendez Villanueva (Valencia, Spain), Jessica Rademacher (Hannover, Germany), Mine Durusu-Tanriover (Ankara, Turkey) |
|------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 17:30| Welcome and introduction  
Alberto Papi (Cona, Ferrara, Italy) | 3852 |
| 17:35| Identifying Risk of Respiratory Infection and Associated Disease Burden in Adult Populations  
Alberto Papi (Cona, Ferrara, Italy) | 3853 |
| 17:53| Impact of Respiratory Infection on At-Risk Adults: Clinical Course and Sequelae  
Mine Durusu-Tanriover (Ankara, Turkey) | 3854 |
| 18:11| Addressing Frailty & Quality of Life with Chronic Lung Conditions  
Rosario Menendez Villanueva (Valencia, Spain) | 3855 |
| 18:29| Age, Chronic Conditions, and Vaccination: Supporting Respiratory Protection in At-Risk Adults  
Jessica Rademacher (Hannover, Germany) | 3856 |
| 18:47| Panel discussion and audience Q&A | 3857 |
### Lehar 1 Session 380 17:30 - 19:00
**Industry evening mini symposium: The Sherlock Holmes Approach to Differential Diagnosis: Exploring Unexplained ILDs**  
*Organised by Sanofi*

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<td>Welcome and introductions</td>
<td>Marlies S. Wijsenbeek (Rotterdam, Netherlands)</td>
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<td>17:35</td>
<td>An Atypical Adventure in Bavaria</td>
<td>Jürgen Behr (Uelzen, Germany), Helmut Prosch (Wien, Austria)</td>
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<td>17:55</td>
<td>Holmes Solves a Case of Mistaken Identity</td>
<td>Raphaël Borie (Paris, France), Helmut Prosch (Wien, Austria)</td>
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<td>18:15</td>
<td>Holmes is Caught in a Lacy Web of Deceit</td>
<td>Marta Garcia Moyano (Barakaldo, Spain), Helmut Prosch (Wien, Austria)</td>
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<td>18:35</td>
<td>The Adventure of the Speckled Band</td>
<td>Marlies S. Wijsenbeek (Rotterdam, Netherlands), Helmut Prosch (Wien, Austria)</td>
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<td>18:50</td>
<td>Q&amp;A</td>
<td>All Speakers</td>
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<td>18:55</td>
<td>Concluding remarks</td>
<td>Marlies S. Wijsenbeek (Rotterdam, Netherlands)</td>
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### Lehar 2 Session 381 17:30 - 19:00
**Industry evening mini symposium: Emerging diagnostic and therapeutic concepts for inflammation in rare lung diseases**  
*Organised by CSL Behring GmbH*

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<td>Welcome</td>
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<td>17:35</td>
<td>Clinical aspects and diagnostic of bronchiectasis</td>
<td>Franziska Trudzinski (Heidelberg, Germany)</td>
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<td>17:45</td>
<td>Bronchiectasis: State of the art</td>
<td>Eva Polverino (Barcelona, Spain)</td>
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<td>Discussion</td>
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<td>18:10</td>
<td>Bronchiectasis and exacerbations in COPD</td>
<td>Marc Miravitlles (Barcelona, Spain)</td>
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<td>18:20</td>
<td>Same but different? Bronchiectasis in AATD</td>
<td>Alice Turner (Birmingham, United Kingdom)</td>
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<td>18:30</td>
<td>Bronchiectasis and exacerbations in IPF</td>
<td>Luca Richeldi (Rome, Italy)</td>
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<td>Discussion</td>
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<td>18:55</td>
<td>Summary</td>
<td>All Speakers</td>
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### Lehar 2  
**Session 439**  
10:30 - 11:15  
**Industry Skills Lab Workshop: From data to information to knowledge: ventilation devices in transition**  
Among ease of use, reliable information and long-term monitoring of therapy becomes more important to correctly set, early intervene and individually adjust the therapy to the specific needs as well as provide the expert sufficient information on the effectiveness of therapy.  
*Organised by Loewenstein Medical*

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### C2  
**Session 450**  
12:15 - 13:15  
**Industry Lunchtime Symposium: Targeting IL-33 in COPD: Exploring New Frontiers for COPD Management**  
*Organised by Sanofi Regeneron*  
*Chairs: Klaus F. Rabe (Kiel, Germany)*

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| 12:15 | Welcome and Introductions  
Klaus F. Rabe (Kiel, Germany) |
| 12:20 | Understanding the Complex Pathophysiology of COPD  
Klaus F. Rabe (Kiel, Germany) |
| 12:25 | What Do We Know About IL-33 Genetics?  
Stephanie Christenson (San Francisco, United States) |
| 12:40 | Review the Role of IL-33 in COPD Pathophysiology and Its Impact on Disease Remodeling  
Paola Rogliani (Roma (RM), Italy) |
| 12:55 | IL-33: A Promising Target  
Klaus F. Rabe (Kiel, Germany) |
| 13:10 | Audience Q&A  
All Speakers |

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### C1  
**Session 452**  
12:15 - 13:15  
**Industry Lunchtime Symposium: Prioritising patients and planet: advocating for change in respiratory care**  
*Organised by AstraZeneca*  
*Chairs: Helen Reddel (Sydney, Australia), John R Hurst (London, United Kingdom)*

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| 12:15 | Respiratory healthcare delivery: urgent change required  
John R Hurst (London, United Kingdom) |
| 12:30 | The importance of inhaler choice to personalise and optimise treatment  
Omar S. Usmani (London, United Kingdom) |
| 12:45 | Addressing the patient and societal burden of suboptimal respiratory care and its environmental impact  
Erika Penz (Saskatoon, Canada) |
| 13:00 | Panel discussion, audience Q&A and meeting close  
Helen Reddel (Sydney, Australia) |
C6  Session 453  12:15 - 13:15

Industry Lunchtime Symposium: Gefapixant for the treatment of patients with refractory or unexplained chronic cough (RCC)

*Organised by MSD*

**Chairs:** Alyn Morice (Cottingham, United Kingdom)

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<th>Time</th>
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<th>Presenter</th>
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<tr>
<td>12:15</td>
<td><strong>Welcome and introductions</strong></td>
<td>Alyn Morice (Cottingham, United Kingdom)</td>
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<td>12:20</td>
<td><strong>Chronic cough overview</strong></td>
<td>Jaclyn Smith (Manchester, United Kingdom)</td>
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<td>12:40</td>
<td><strong>Refractory or unexplained chronic cough: Treatment with gefapixant</strong></td>
<td>Lorcan McGarvey (Belfast, United Kingdom)</td>
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<td>13:00</td>
<td><strong>Q&amp;A</strong></td>
<td>Lorcan McGarvey (Belfast, United Kingdom), Jaclyn Smith (Manchester, United Kingdom), Alyn Morice (Cottingham, United Kingdom)</td>
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A2  Session 454  12:15 - 13:15

Industry Lunchtime Symposium: Good lung health: the future starts now

*Organised by AstraZeneca*

**Chairs:** Rosa Faner Canet (Barcelona, Spain), Christine Jenkins (McMahons Point (NSW), Australia)

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<tr>
<td>12:15</td>
<td><strong>Welcome</strong></td>
<td>Rosa Faner Canet (Barcelona, Spain)</td>
</tr>
<tr>
<td>12:20</td>
<td><strong>What does good lung health mean to patients living with respiratory disease?</strong></td>
<td>Andrew Menzies-Gow (London, United Kingdom)</td>
</tr>
<tr>
<td>12:32</td>
<td><strong>How can we intervene to improve lung health and prevent disease?</strong></td>
<td>James Allinson (London, United Kingdom)</td>
</tr>
<tr>
<td>12:44</td>
<td><strong>How can we ensure that good lung health is prioritised by society? The importance of national lung health strategies</strong></td>
<td>Christine Jenkins (McMahons Point (NSW), Australia)</td>
</tr>
<tr>
<td>12:56</td>
<td><strong>Panel discussion and audience questions</strong></td>
<td>Christine Jenkins (McMahons Point (NSW), Australia), Rosa Faner Canet (Barcelona, Spain), Andrew Menzies-Gow (London, United Kingdom), James Allinson (London, United Kingdom)</td>
</tr>
<tr>
<td>13:11</td>
<td><strong>Close</strong></td>
<td>Rosa Faner Canet (Barcelona, Spain)</td>
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Strauss 1  Session 491  12:45 - 13:45

Industry Lunchtime Symposium: New Trial-Based Advances For Optimizing Outcomes in MAC Pulmonary Disease

*Organised by Insmed*

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<tr>
<td>12:45</td>
<td><strong>The Mandate for Individualized Care in Persons with NTM Lung Disease and Limited Options: Applying Risk and Severity-Directed Treatment Based on Time to Positivity (TTP), Radiographic Metrics, and Refractory Disease</strong></td>
<td>Christoph Lange (Borstel, Germany)</td>
</tr>
<tr>
<td>12:55</td>
<td><strong>Antimicrobial Decision-Making in MAC Lung Disease: Optimizing Treatment Outcomes and Microbial Conversion Based on Time to Culture Positivity (TTP), Systematic Microbiological Testing, and Radiologic/Bronchiectasis Severity Scores</strong></td>
<td>Stefano Alberti (Milano (MI), Italy)</td>
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<tr>
<td>13:10</td>
<td><strong>Translating Results of New MAC Lung-Focused Trials Evaluating Quality-of-Life (QoL-Bronchiectasis) Improvements, TTP, and Microbial Conversion Metrics to Optimize Antimicrobial Drug Selection</strong></td>
<td>David E. Griffith (Denver, United States)</td>
</tr>
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### Lehar 1  
#### Session 500  
**14:00 - 14:45**  
**Industry Skills Lab Workshop: Automated clinical technologies, customized for every patient – navigating clinical ventilation cases**  
*Organised by Philips*  
**Chairs:** Jennifer Mattingley (LaCrosse, United States)  

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<td>14:00</td>
<td>Maxime Patout (Paris, France)</td>
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<tr>
<td>14:18</td>
<td>Claudia Crimi (Catania (CT), Italy)</td>
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### Lehar 2  
#### Session 501  
**14:00 - 14:45**  
**Industry Skills Lab Workshop: “East meets West: differential diagnosis of thoracic malignancies”**  
*Organised by Erbe Elektromedizin GmbH*  
**Chairs:** Felix J.F. Herth (Heidelberg, Germany), Jiayuan Sun (Shanghai, China)  

<table>
<thead>
<tr>
<th>Time</th>
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</table>
| 14:00 | EBUS-guided mediastinal cryobiopsy (lymphoma, NGS testing) with interactive elements on Case based presentation  
Felix J.F. Herth (Heidelberg, Germany) |
| 14:20 | Diagnosis for GGO-predominant pulmonary lesions with interactive elements on Case based presentation  
Jiayuan Sun (Shanghai, China) |
| 14:40 | Summary and open questions |
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